

# Crawler Crane Grue sur chenilles

## LR 1600/2

Technical Data  
Caractéristiques techniques

**H-Boom Kit**



# LIEBHERR

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## Technical description

### Description techniques

A

|                  |                                                                                |
|------------------|--------------------------------------------------------------------------------|
| Max. capacity    | 1322 kips at 39 ft radius<br>HSDB – System with HS 138 ft.                     |
| Max. load moment | 64,094,150 lbs-ft – 870 kips at 72 ft radius.<br>HSDB2 – System with HS 138 ft |

### Crawler travel gear

|                 |                                                                                                                                                   |
|-----------------|---------------------------------------------------------------------------------------------------------------------------------------------------|
| Crawler chassis | Liebherr crawler chassis consisting of one centre section and two crawler carriers with crawler plates 4'11" (optional 6'7") and quadruple drive. |
| Central ballast | 2 brackets 5500 lbs each. Total central ballast 143300 lbs. 6 ballast plates 22050 lbs each (option).                                             |

### Crane superstructure

|                                    |                                                                                                                                                                                                                                                  |
|------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Superstructure frame               | Liebherr-slewing platform frame, consisting of slewing platform with winch IV and removable A-frame, connected to the centre section by a roller slewing bearing.                                                                                |
| Crane engine with sound insulation | 6-cylinder diesel engine, make Liebherr, type D946 A7, water cooled, rated power 400 kW (544 HP) at 1900 rpm, max torque 1856 lbs-ft at 1300 rpm. Fuel tank approx. 314 gallons, exhaust emission according to directive 97/68/EG and EPA/CARB.  |
| Winch I                            | Standard hoist drum, hydraulically driven by axial-piston swivel pumps with integrated planetary gear.                                                                                                                                           |
| Winch IV                           | Boom hoist.                                                                                                                                                                                                                                      |
| Reeving winch                      | Auxiliary winch for the reeving of ropes.                                                                                                                                                                                                        |
| Slewing gear                       | 1 slewing gear, hydraulically powered by axial-piston swivel pump, with integrated planetary gear.                                                                                                                                               |
| Crane cabin                        | Air conditioned crane cabin tiltable to the rear with safety glazing, heat insulating glass, roof window with bullet proof glass, standardized control units ergonomically positioned. Additional thermostatically controlled hot water heating. |
| Crane control                      | Setting of configuration data by convenient interactive functions. All crane movements are initiated by means of two 4-way joystick hand levers and two 2-way hand/foot levers. All working movements are independently controllable.            |
| Safety devices                     | Hoist limit switch. Safety valves against hose and pipe rupture. Drum switch limit at 3 rest layers. Wind speed gauge. Electronic inclination indicator. Aircraft warning control light.                                                         |
| Camera observation                 | 2 colour-screens, 3 cameras for winches and rear area.                                                                                                                                                                                           |
| Counterweight                      | 2 brackets 11025 lbs each. Total counterweight at superstructure 418950 lbs. 18 ballast plates 22050 lbs each (option).                                                                                                                          |

### Boom system

|                                |                                                                                                                                                        |
|--------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------|
| Main boom HS                   | System 2825 with head section for max. 1322774 lbs load capacity. Boom length S 79 – S 315 ft. Boom length HSDB 118 – HSDB 472 ft with derrick system. |
| Lattice type luffing fly jib W | System 2420 with head section for max. 1322774 lbs load capacity. Luffing jib lengths 79 – 315 ft. Winch V is needed for all luffing jib operations.   |
| Fixed lattice fly jib F        | System 1916 with head section for max. capacity of 302000 lbs, attachable at 10°, 15° and 30°, jib lengths F 39 – F 118 ft.                            |
| Derrick system D               | System 2420 including guy rods. Winch III is needed for all derrick operations. Length 98 ft/118 ft.                                                   |
| Counterweight frame B          | For max. derrick counterweight of 771600 lbs, for infinitely variable radius from 33 – 59 ft.                                                          |
| Counterweight trailer BW       | For max. derrick counterweight of 771600 lbs at max. radius of 59 ft, infinitely variable radii from 43 – 59 ft.                                       |
| Derrick-Counterweight          | Plates for a total of 771600 lbs.                                                                                                                      |
| Heavy duty jib WV              | Using existing parts of main boom and luffing jib. Mountable on S-main boom; tiltable between 12° and 20°. Length 39 – 315 ft.                         |
| Winch II                       | Second hoist winch.                                                                                                                                    |
| Winch III                      | Reeving main boom / Derrick operation.                                                                                                                 |
| Winch V                        | Luffing for W-jib configuration.                                                                                                                       |
| Winch VI                       | Auxiliary hoist gear.                                                                                                                                  |
| Whip line 79365 lbs            | To be mounted on the S, SL, W, WV-boom head.                                                                                                           |

### Additional equipment

|                             |                                                                                                                                                |
|-----------------------------|------------------------------------------------------------------------------------------------------------------------------------------------|
| Mechanical outriggers       | For erection of long boom combinations without derrick-counterweight.                                                                          |
| Hydraulic assembly jacks    | Lifting of the basic machine for assembly/disassembly. Consisting of 4 lifting cylinders with supporting plates, installed on the centre part. |
| Hydraulic assembly cylinder | For assembly/disassembly of the crawler carrier by the crane itself.                                                                           |
| Pin pulling device          | Including mobile hydraulic aggregate. For assembly/disassembly of the pins at S and W intermediate sections.                                   |

Other items of equipment available on request.  
Standard equipment and options according to effective price list.

A

Technical description  
Description techniques

|                       |                                                                                      |
|-----------------------|--------------------------------------------------------------------------------------|
| Capacité max.         | 1322 kips pour une portée de 39 ft.<br>Système HSDB avec HS 138 ft.                  |
| Couple de charge max. | 64,094,150 lbs-ft – 870 kips pour une portée de 72 ft. Système HSDB2 avec HS 138 ft. |

Train de chenilles

|                          |                                                                                                                                                                         |
|--------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Mécanisme de translation | Le train de chenilles Liebherr est composé d'une partie centrale et de deux longerons avec patins de chenilles 4'11" (en option 6'7") et un entraînement à 4 positions. |
| Contrepoids central      | 2 consoles de 5500 lbs. Contrepoids central total 143300 lbs. 6 plaques de lest de 22050 lbs (option).                                                                  |

Partie tournante

|                                           |                                                                                                                                                                                                                                                                                                                |
|-------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Cadre de la partie tournante              | Le cadre de la partie tournante Liebherr est composé de la partie tournante avec treuil IV et du chevalet démontable A, il est relié à la partie centrale du train de roulement par une couronne d'orientation à rouleaux.                                                                                     |
| Moteur de la grue avec isolation phonique | Diesel Liebherr 6 cylindres, type D946 A7, refroidissement par eau, puissance 400 kW (544 PS) à 1900 rpm, couple de rotation max. 1856 lbs-ft à 1300 rpm. Réservoir de carburant: env. 314 gallons. Emissions polluantes conformes aux normes 97/68/EG et EPA/CARB.                                            |
| Treuil I                                  | Treuil de levage standard, il est entraîné hydrauliquement par des pompes à débit variable à pistons axiaux avec réducteur planétaire intégré.                                                                                                                                                                 |
| Treuil IV                                 | Mécanisme de relevage.                                                                                                                                                                                                                                                                                         |
| Treuil de mouflage                        | Treuil auxiliaire pour le mouflage des câbles.                                                                                                                                                                                                                                                                 |
| Mécanisme d'orientation                   | 1 mécanisme d'orientation, il est entraîné hydrauliquement par des pompes à débit variable à pistons axiaux avec réducteur planétaire intégré.                                                                                                                                                                 |
| Cabine du grutier                         | La cabine du grutier est climatisée, inclinable vers l'arrière, possède un vitrage de sécurité, un vitrage isolant thermiquement, une fenêtre de toit en verre blindé, des unités de commande normalisées disposées de façon ergonomique. Chauffage d'appoint et chauffage de l'eau régulé thermostatiquement. |
| Commande de la grue                       | Entrée des données de configuration par des fonctions interactives simples. Tous les mouvements de la grue sont commandés par deux manipulateurs à 4 voies et deux pédale/levier à 2 voies. Tous les mouvements de travail peuvent être commandés indépendamment.                                              |
| Dispositifs de sécurité                   | Interrupteur de fin de course. Clapets de sécurité contre les ruptures de tuyaux et de flexibles. Coupure de fin de course du tambour avec 3 enroulements de sécurité. Anémomètre de sécurité. Inclinomètre électronique. Balise aérienne.                                                                     |

|                |                                                                                                         |
|----------------|---------------------------------------------------------------------------------------------------------|
| Contrôle vidéo | 2 écrans couleur, 3 caméras pour la zone de treuils et la partie arrière.                               |
| Contrepoids    | 2 consoles de 11025 lbs chacune. Contrepoids total 418950 lbs. 18 plaques de lest à 22050 lbs (option). |

Système de flèche

|                                       |                                                                                                                                                                                       |
|---------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Flèche principale HS                  | Système 2825 avec élément de tête pour une capacité max. de 1322774 lbs. Longueur de la flèche S 79 – S 315 ft. Longueur de la flèche HSDB 118 – HSDB 472 ft avec système derrick.    |
| Fléchette treillis à volée variable W | Système 2420 avec élément de tête pour une capacité max. de 1322774 lbs. Longueurs de flèche treillis 79 – 315 ft. Le treuil V est nécessaire pour fonctionnement fléchette treillis. |
| Fléchette treillis fixe F             | Système 1916 avec élément de tête pour une capacité max. de 302000 lbs, montage possible sous 10°, 15° et 30°. Longueurs de flèche F 39 – F 118 ft.                                   |
| Système derrick D                     | Le système 2420 comprend des tirants. Le treuil III est nécessaire au mode derrick. Longueur 98 ft/118 ft.                                                                            |
| Palette de lest B                     | Pour un contrepoids derrick max. de 771600 lbs et rayons variables progressivement de 33 – 59 ft.                                                                                     |
| Remorque à contrepoids BW             | Pour un contrepoids derrick max. de 771600 lbs pour un rayon max. de 59 ft, pour des rayons variables progressivement de 43 – 59 ft.                                                  |
| Contrepoids derrick                   | Plaques de poids total de 771600 lbs.                                                                                                                                                 |
| Fléchette pour charge lourde WV       | Utilisation des parties disponibles de la flèche principale et de la fléchette treillis. Montage possible au niveau de la flèche S entre 12° et 20°. Longueur 39 – 315 ft.            |
| Treuil II                             | 2. treuil de levage.                                                                                                                                                                  |
| Treuil III                            | Réglage flèche principale/mode derrick.                                                                                                                                               |
| Treuil V                              | Réglage fléchette treillis à volée variable.                                                                                                                                          |
| Treuil VI                             | Treuil de levage auxiliaire.                                                                                                                                                          |
| Poulie en extrémité de mât 79365 lbs  | Elle sert au montage au niveau de la tête S, SL, W, WV.                                                                                                                               |

Équipement additionnel

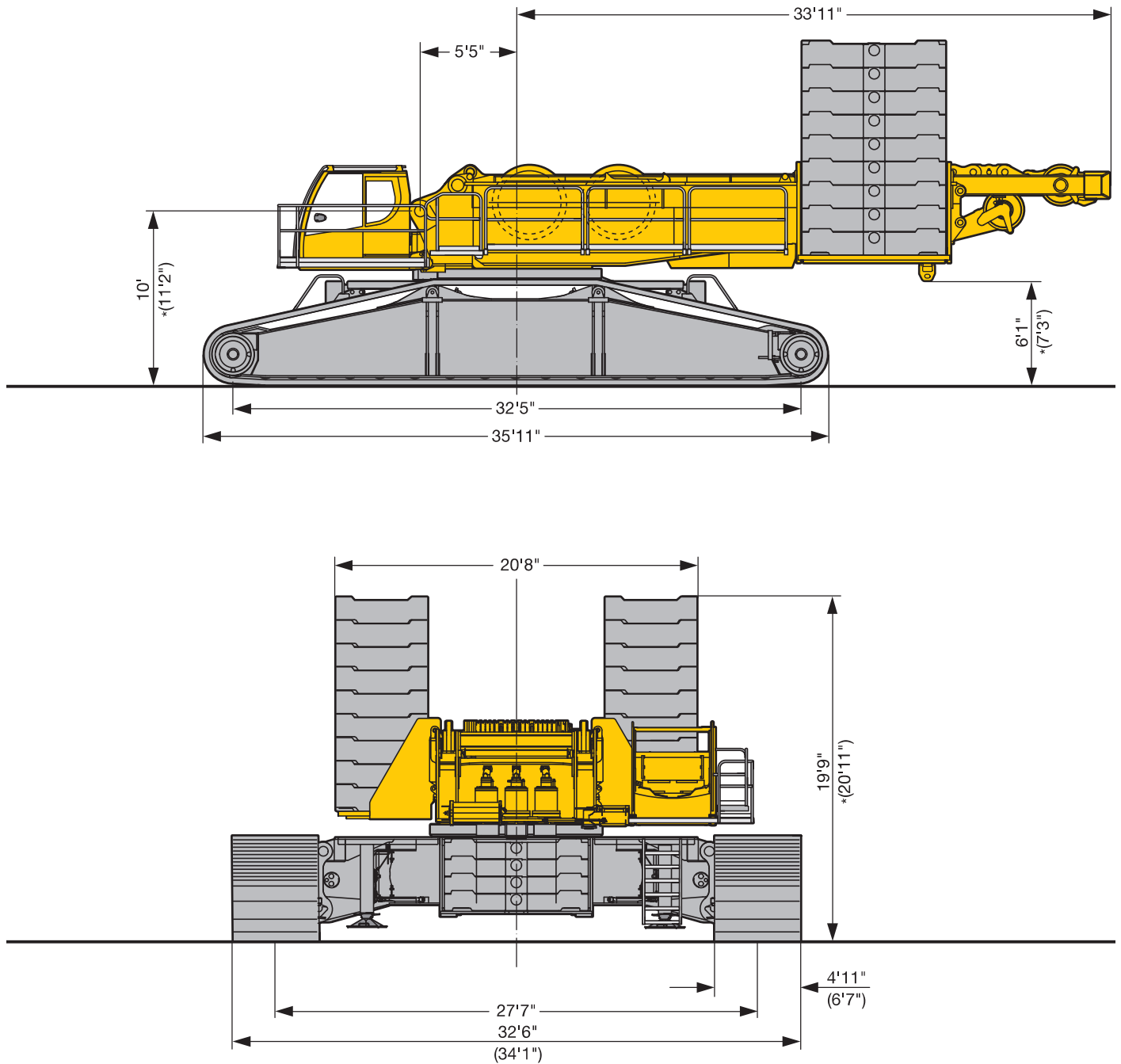
|                                        |                                                                                                                                                            |
|----------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Stabilisateur additionnel mécanique    | Il sert au relevage de longues combinaisons de flèche sans contrepoids derrick.                                                                            |
| Stabilisateurs hydrauliques de montage | Ils soulèvent l'engin de base pour le montage/démontage. Ils sont constitués de 4 vérins de calage dont les patins de calage montés sur l'élément central. |
| Vérin hydraulique de montage           | Pour le montage autonome/démontage du train de chenilles.                                                                                                  |
| Dispositif d'extraction des axes       | Il est constitué du composant hydraulique mobile. Il sert à l'insertion et l'extraction d'axes des éléments intermédiaires S et W.                         |

D'autres équipements additionnels sont disponibles sur demande. Les équipements de série et les options correspondent à la liste de prix actuelle.



## Dimensions Encombrement

A

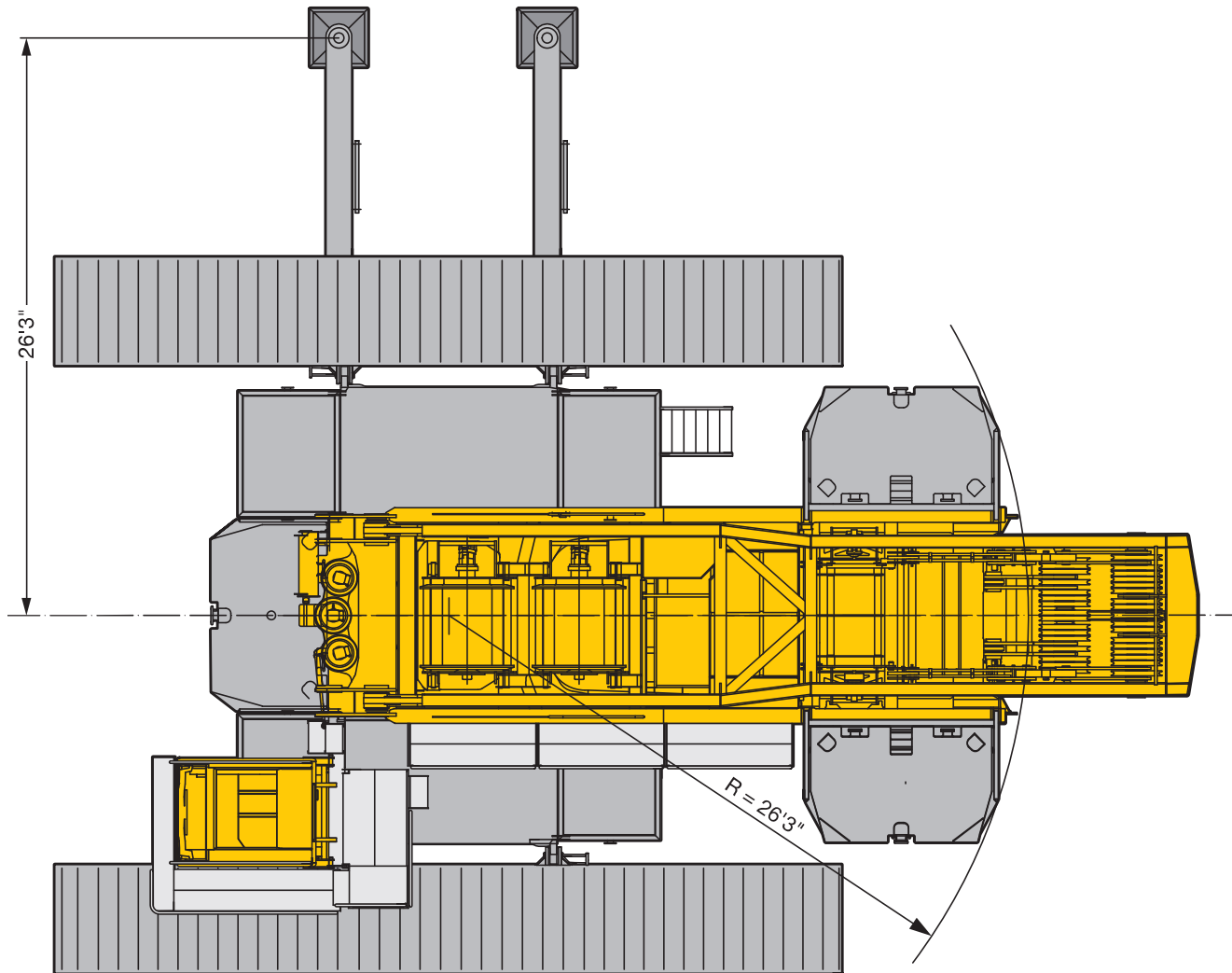


\* Quick Connection / Raccord rapide

US2210.01

A

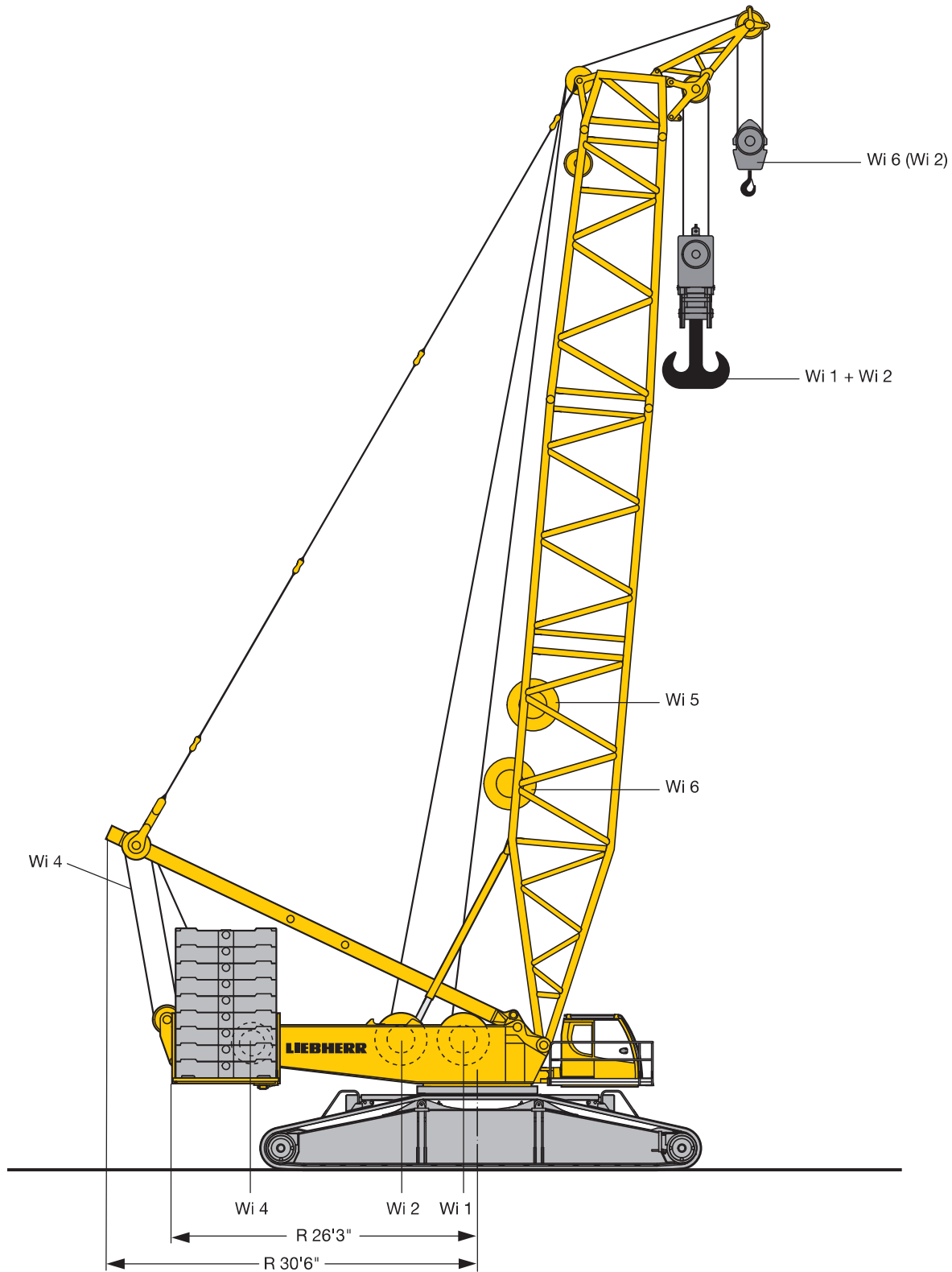
## Dimensions Encombrement



US 2211.01

## Dimensions Encombrement

A

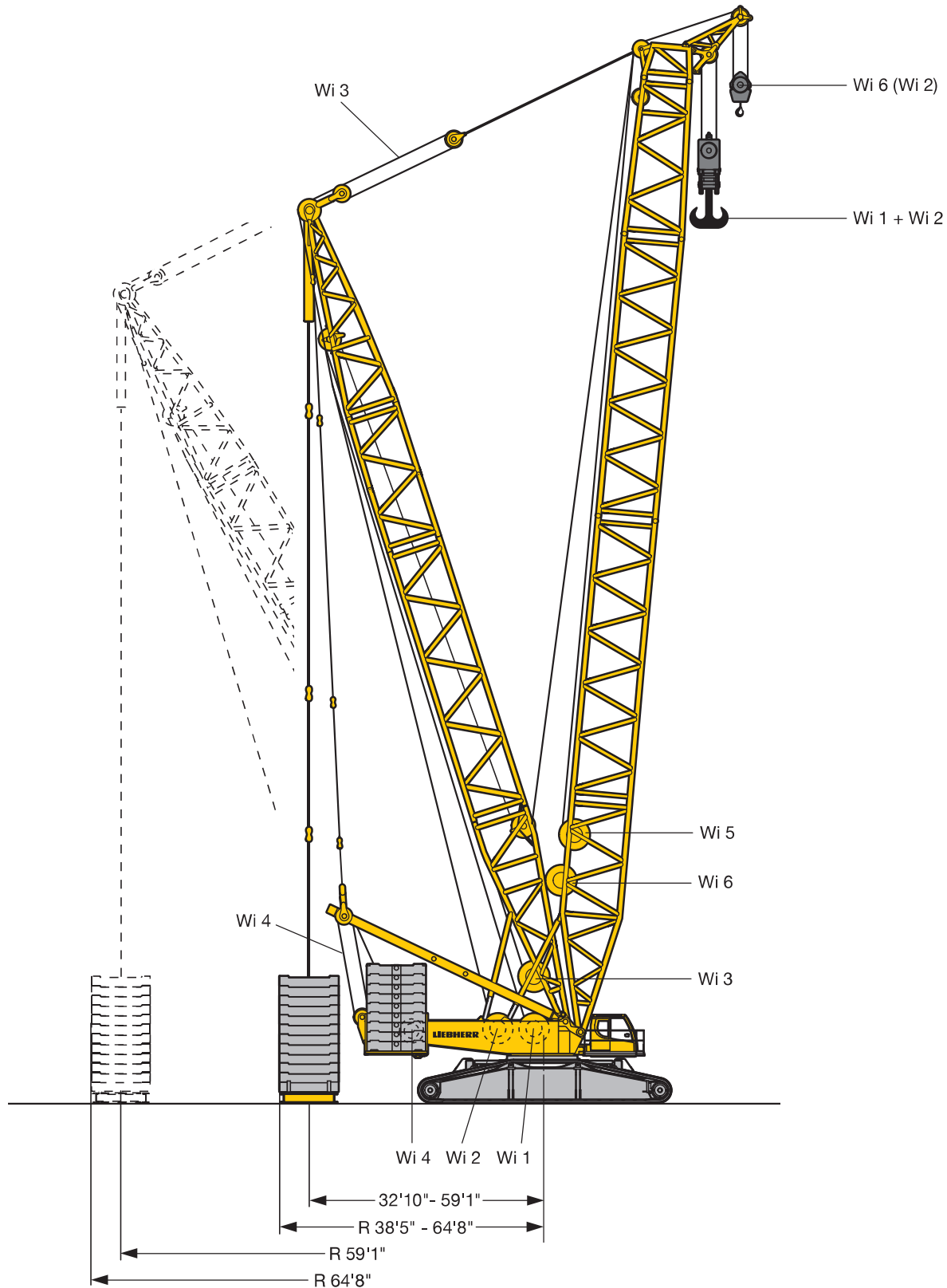


US2212

LR 1600/2

A

## Dimensions Encombrement

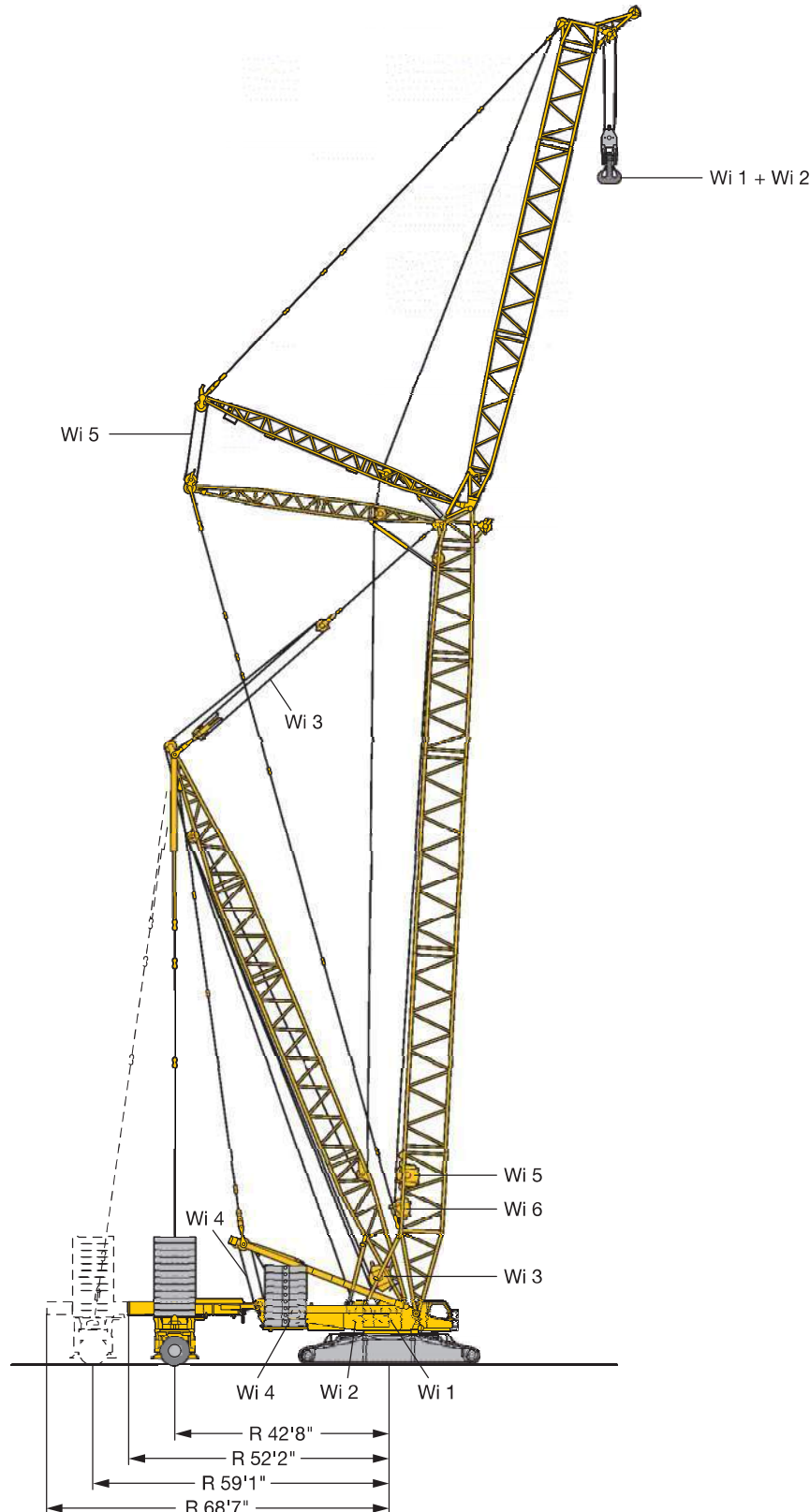


US2213.01

LR 1600/2

## Dimensions Encombrement

A



US2416.02

LR 1600/2

A

## Dimensions Encombrement

**B**  $\triangleq$  R 32.8 ft - 59 ft



**BW**  $\triangleq$  R 42.7 ft - 59 ft



**B2**  $\triangleq$  R 49.2 ft - 57.4 ft - 65.6 ft



US2819

Winches  
Trevils

A

| Drive<br>Mécanismes                                                               | Working speeds<br>Vitesses | Max. single line pull<br>Effort au brin maxi. | Rope diameter / length<br>Diamètre / Longueur du câble |
|-----------------------------------------------------------------------------------|----------------------------|-----------------------------------------------|--------------------------------------------------------|
|  | 0 – 436 ft/min             | 39700 lbs                                     | 1.1" / 3609 ft                                         |
|  | 0 – 436 ft/min             | 39700 lbs                                     | 1.1" / 3609 ft                                         |
|  | 0 – 427 ft/min             |                                               |                                                        |
|  | 0 – 2 x 256 ft/min         |                                               |                                                        |
|  | 0 – 436 ft/min             |                                               |                                                        |
|  | 0 – 449 ft/min             | 27560 lbs                                     | 0.98" / 1970 ft                                        |

Working speeds  
Vitesses

|  | Slewing speeds<br>Vitesses d'orientation | 0 - 0.95 rpm |
|-------------------------------------------------------------------------------------|------------------------------------------|--------------|
|  | Travel speeds<br>Vitesses de translation | 0 - 0.95 mph |

Hook blocks  
Moufles à crochet



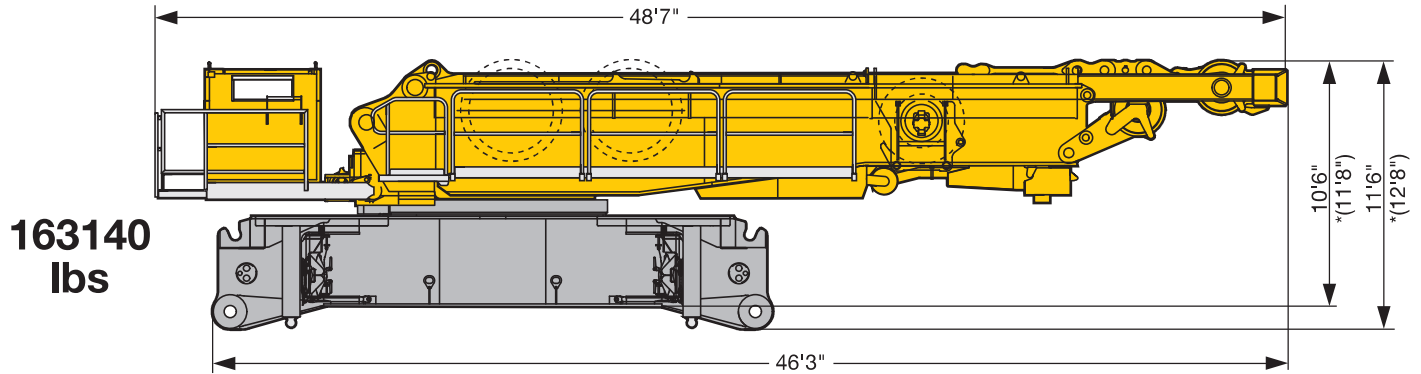
| Load kips<br>Forces de levage kips | Rope diameter<br>Diamètre du câble | No. of sheaves<br>Poulies | No. of lines<br>Brins | Weight lbs<br>Poids lbs       |
|------------------------------------|------------------------------------|---------------------------|-----------------------|-------------------------------|
| 1320 / 660                         | 1"                                 | 2 x 9                     | 2 x 19                | 24250 – 35300 / 18750         |
| 790 / 395                          | 1"                                 | 2 x 5                     | 2 x 11                | 13300 – 24250 / 11025 – 15430 |
| 395                                | 1"                                 | 5                         | 11                    | 4400 – 15430                  |
| 265                                | 1"                                 | 3                         | 7                     | 3300 – 12125                  |
| 110                                | 1"                                 | 1                         | 3                     | 2200 – 6600                   |
| 35                                 | 1"                                 | –                         | 1                     | 2425                          |



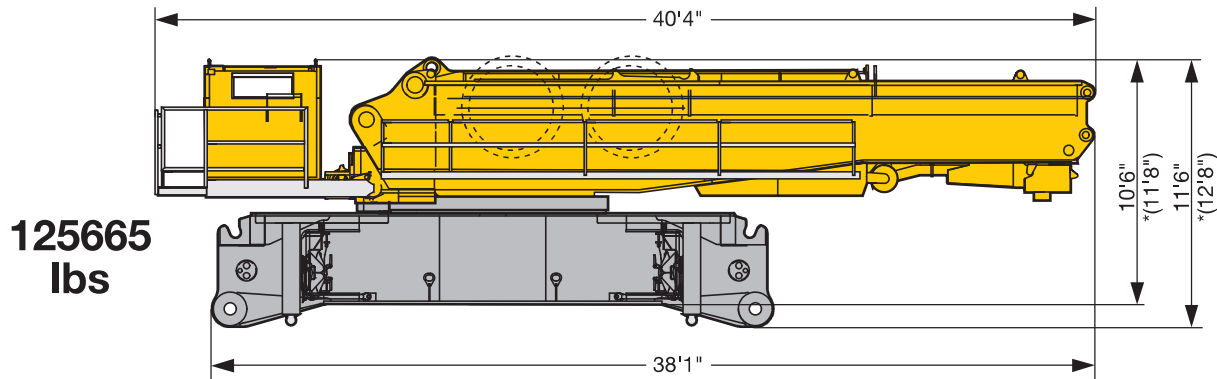
A

## Transportation plan Plan de transport

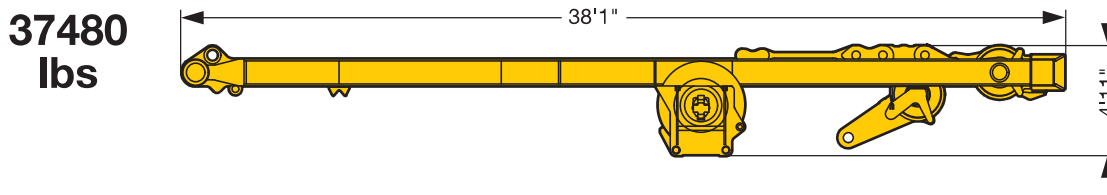
Superstructure and crawler center section with SA-frame, winch 4, with assembly jacks  
Partie tournante et partie centrale du porteur avec chevalet SA, treuil 4, avec vérins de montage



Superstructure and crawler center section, assembly jacks  
Partie tournante et partie centrale du porteur, vérins de montage



SA-frame, winch 4 incl. rope and pulley block  
Chevalet SA, treuil 4 incl. câble et bloc de poulies



\* Quick Connection / Raccord rapide

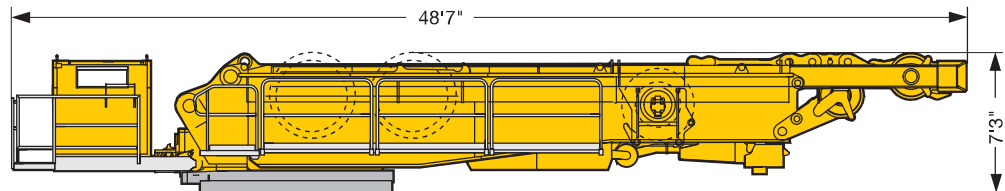
US2214

## Transportation plan Plan de transport

A

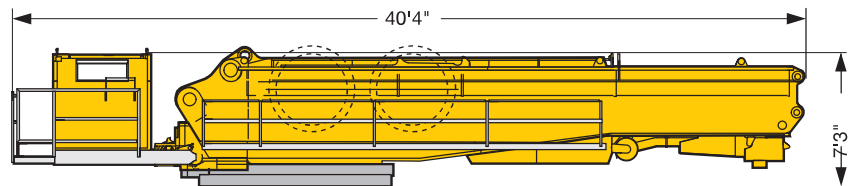
Superstructure with SA-frame, winch 4, quick connection  
Partie tournante avec chevalet SA, treuil 4, quick connection

**110250 lbs**



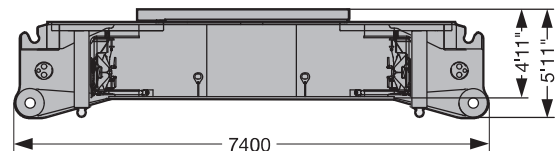
Superstructure with quick connection  
Partie tournante avec quick connection

**72750 lbs**



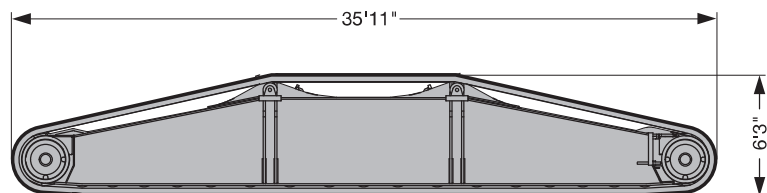
Crawler center section with assembly jacks, quick connection  
Partie centrale du porteur avec vérins de montage, quick connection

**59525 lbs**



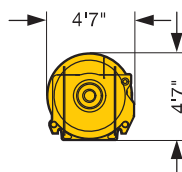
Crawler with track pads 4'11" (6'7")  
Chenille avec pains de chenille de 4'11" (6'7")

**72750 lbs  
(2 x 83775 lbs)**



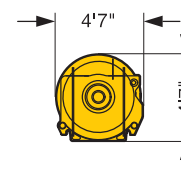
Winch 1 incl. rope  
Treuil 1 incl. câble

**16550 lbs**



Winch 2 incl. rope  
Treuil 2 incl. câble

**16550 lbs**



US2217.01

A

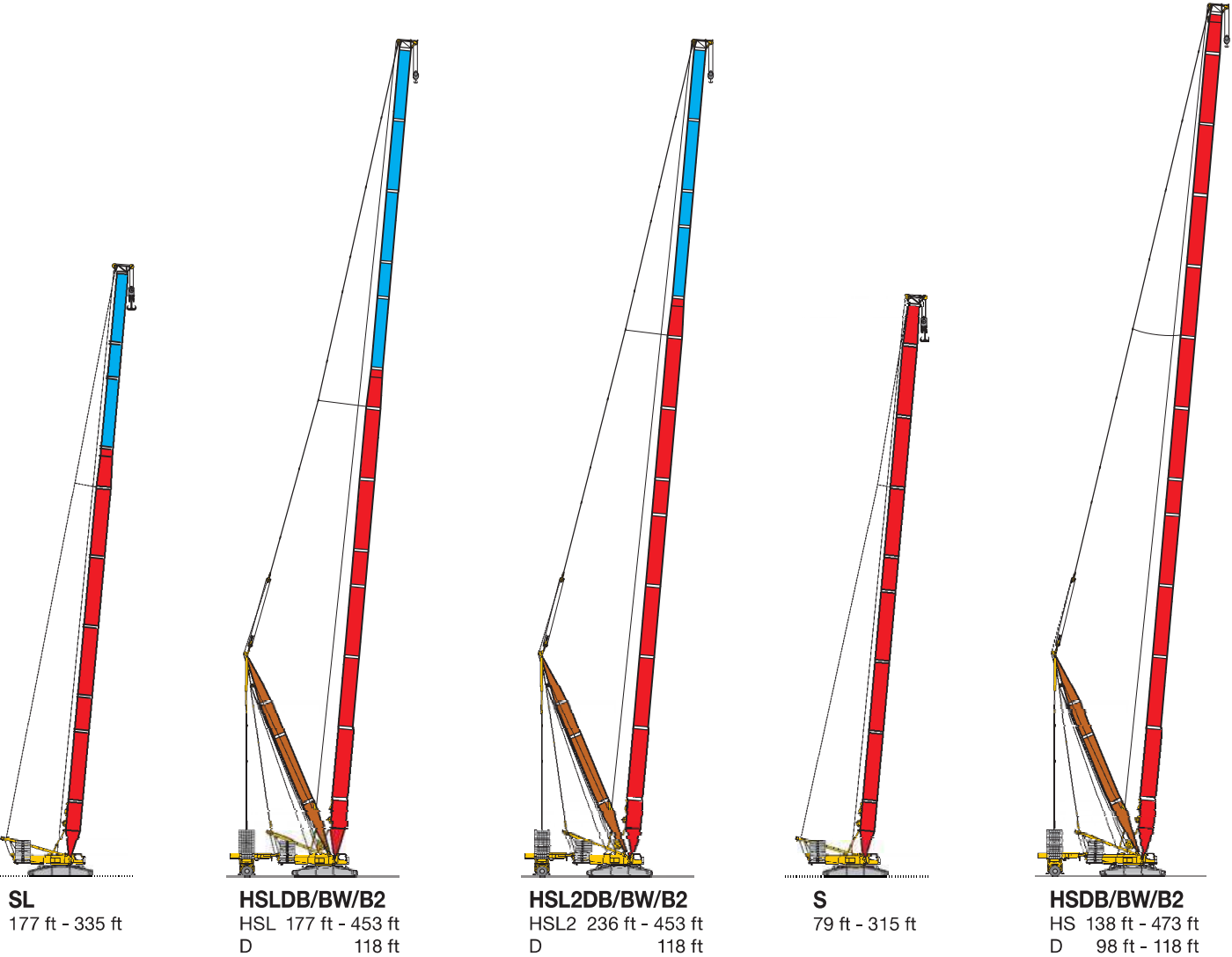
**Boom/jib combinations**  
**Configurations de flèche**

- S** Main boom, heavy  
Flèche principale, lourde

**SL** Main boom, heavy/light  
Flèche principale, lourde/légère
- D** Derrick  
Flèche derrick

**W** Luffing fly jib, heavy  
Fléchette, lourde
- F** Lattice fly jib  
Fléchette treillis fixe

**B** Suspended ballast  
Lest suspendu



US2847.01



B



C



D



E



F



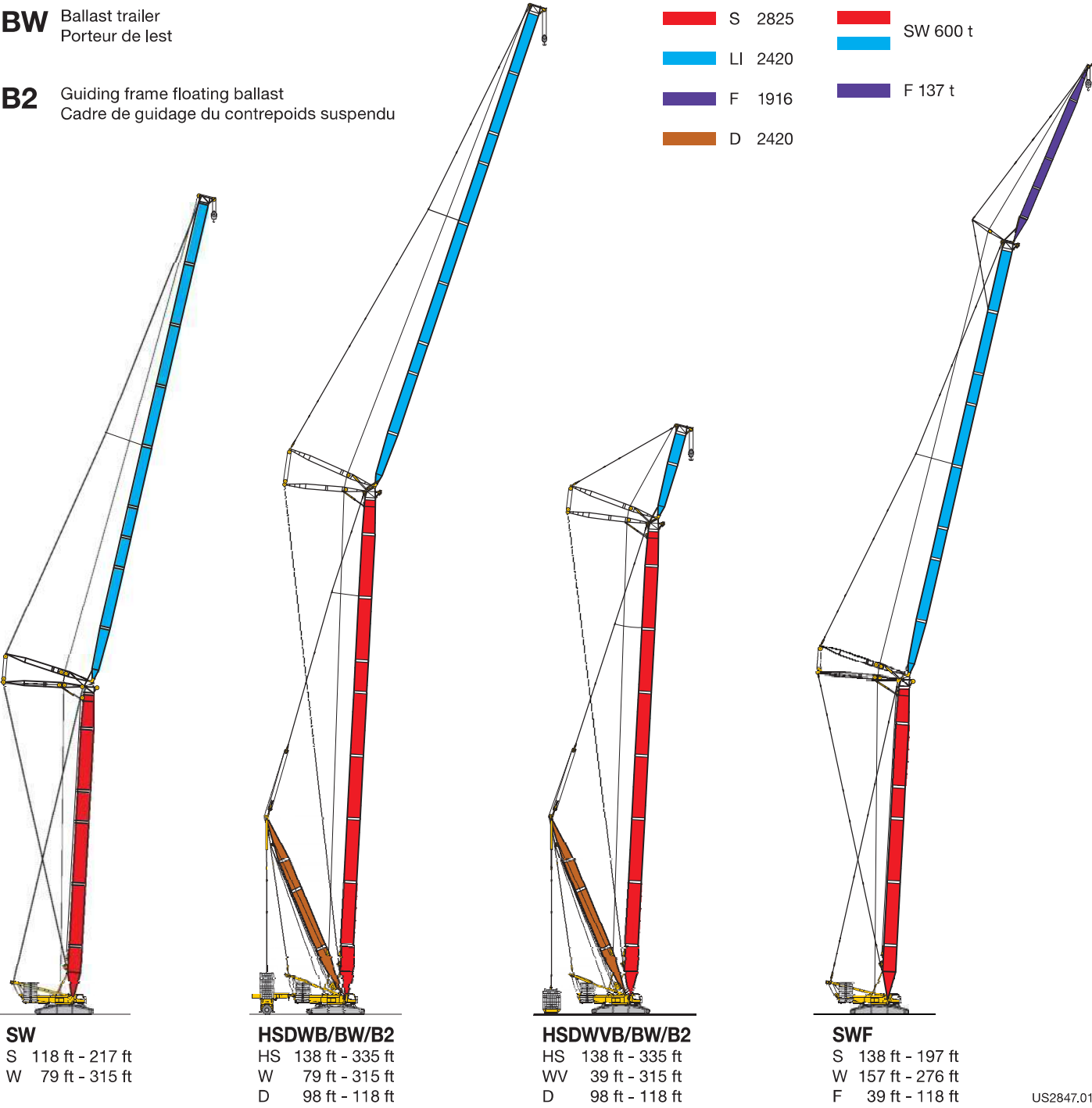
Boom/jib combinations  
Configurations de flèche

A

**BW** Ballast trailer  
Porteur de lest

**B2** Guiding frame floating ballast  
Cadre de guidage du contrepoids suspendu

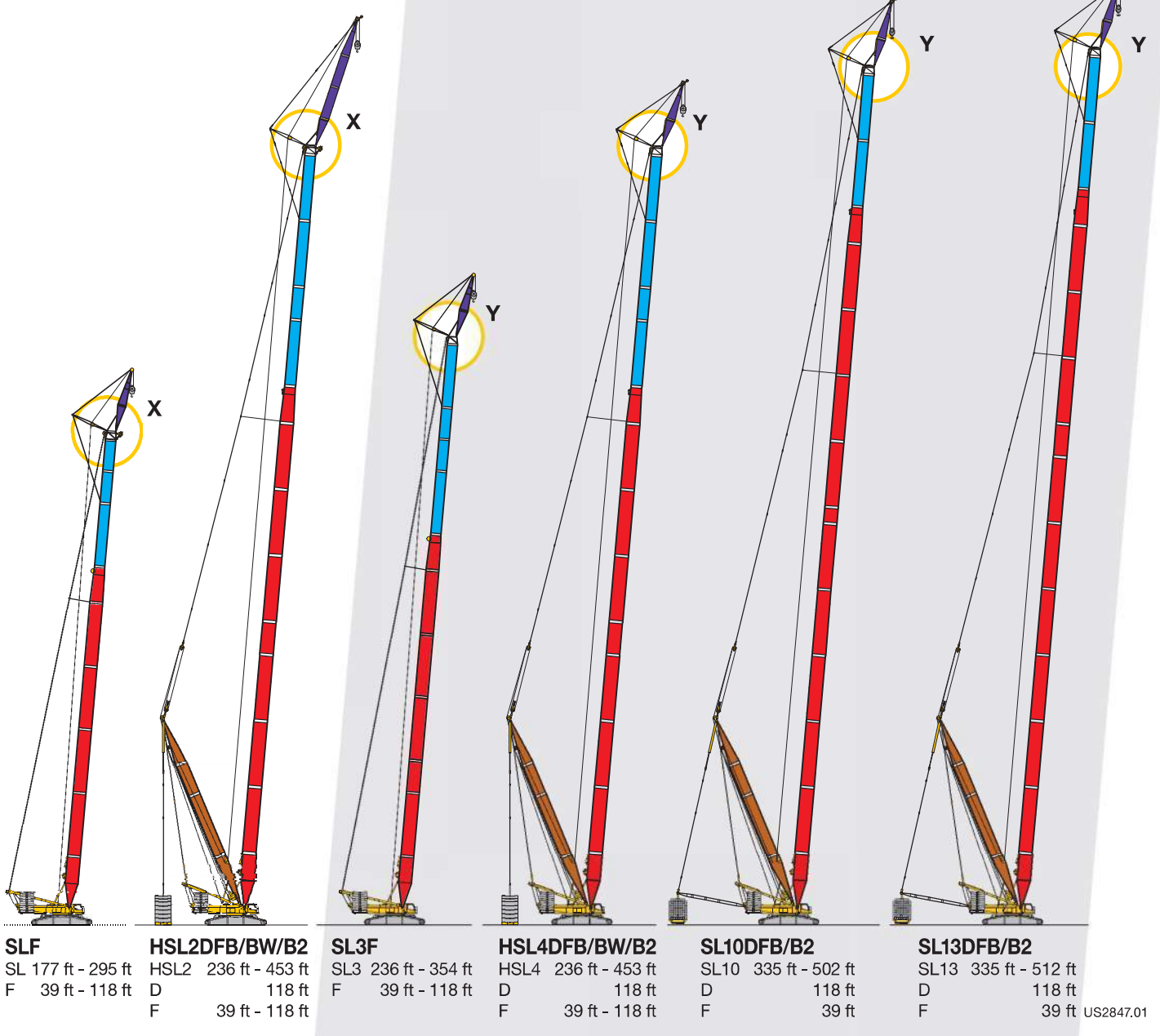
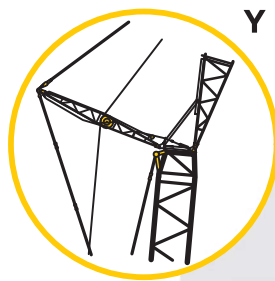
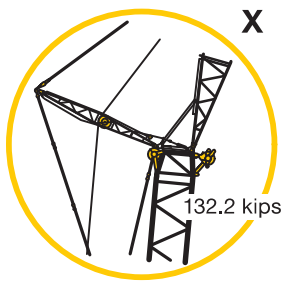
- S 2825
- LI 2420
- F 1916
- D 2420
- SW 600 t
- F 137 t



US2847.01



## Boom/jib combinations Configurations de flèche



K

L

M

N

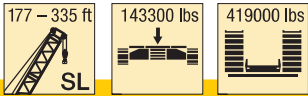
O

P

SL

SL 177 - 335

B



|  ft | SL 177 | SL 197 | SL 217 | SL 236 | SL 256 | SL 276 | SL 295 | SL 315 | SL 335 |  ft |
|--------------------------------------------------------------------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|----------------------------------------------------------------------------------------|
| 26                                                                                   | 679    |        |        |        |        |        |        |        |        | 26                                                                                     |
| 28                                                                                   | 679    |        |        |        |        |        |        |        |        | 28                                                                                     |
| 30                                                                                   | 679    | 657    |        |        |        |        |        |        |        | 30                                                                                     |
| 32                                                                                   | 679    | 656    | 620    | 572    |        |        |        |        |        | 32                                                                                     |
| 34                                                                                   | 665    | 643    | 612    | 567    |        |        |        |        |        | 34                                                                                     |
| 36                                                                                   | 641    | 622    | 598    | 559    | 521    |        |        |        |        | 36                                                                                     |
| 38                                                                                   | 605    | 585    | 563    | 535    | 509    |        |        |        |        | 38                                                                                     |
| 40                                                                                   | 569    | 549    | 529    | 510    | 493    | 456    | 419    |        |        | 40                                                                                     |
| 45                                                                                   | 492    | 476    | 459    | 444    | 431    | 410    | 379    | 343    | 314    | 45                                                                                     |
| 50                                                                                   | 429    | 419    | 404    | 391    | 381    | 367    | 346    | 320    | 295    | 50                                                                                     |
| 55                                                                                   | 374    | 369    | 359    | 347    | 339    | 328    | 315    | 295    | 273    | 55                                                                                     |
| 60                                                                                   | 327    | 325    | 320    | 311    | 304    | 294    | 285    | 273    | 254    | 60                                                                                     |
| 65                                                                                   | 290    | 288    | 285    | 280    | 274    | 266    | 257    | 250    | 237    | 65                                                                                     |
| 70                                                                                   | 260    | 258    | 255    | 253    | 250    | 242    | 234    | 227    | 220    | 70                                                                                     |
| 75                                                                                   | 235    | 232    | 230    | 228    | 227    | 220    | 213    | 207    | 202    | 75                                                                                     |
| 80                                                                                   | 213    | 211    | 208    | 206    | 205    | 201    | 195    | 189    | 185    | 80                                                                                     |
| 85                                                                                   | 194    | 192    | 189    | 187    | 187    | 184    | 178    | 173    | 169    | 85                                                                                     |
| 90                                                                                   | 178    | 176    | 173    | 171    | 171    | 168    | 164    | 160    | 156    | 90                                                                                     |
| 95                                                                                   | 165    | 162    | 159    | 157    | 157    | 154    | 151    | 147    | 143    | 95                                                                                     |
| 100                                                                                  | 152    | 150    | 146    | 144    | 144    | 142    | 139    | 136    | 132    | 100                                                                                    |
| 105                                                                                  | 141    | 138    | 135    | 133    | 133    | 130    | 128    | 125    | 122    | 105                                                                                    |
| 110                                                                                  | 131    | 129    | 125    | 123    | 123    | 121    | 118    | 116    | 113    | 110                                                                                    |
| 115                                                                                  | 123    | 120    | 117    | 115    | 114    | 112    | 109    | 108    | 104    | 115                                                                                    |
| 120                                                                                  | 115    | 112    | 109    | 106    | 106    | 103    | 101    | 99.5   | 96.5   | 120                                                                                    |
| 125                                                                                  | 107    | 105    | 101    | 99     | 98.5   | 96     | 93.5   | 92     | 89.5   | 125                                                                                    |
| 130                                                                                  | 101    | 98     | 94.5   | 92.5   | 92     | 89.5   | 86.5   | 85     | 83     | 130                                                                                    |
| 135                                                                                  | 95     | 92     | 88.5   | 86.5   | 86     | 83.5   | 80.5   | 79     | 77     | 135                                                                                    |
| 140                                                                                  | 89.5   | 86.5   | 83     | 81     | 80.5   | 77.5   | 74.5   | 73     | 71     | 140                                                                                    |
| 150                                                                                  | 79.5   | 76.5   | 73     | 70.5   | 70     | 67     | 64     | 62     | 60.5   | 150                                                                                    |
| 160                                                                                  | 71.5   | 68     | 64     | 61.5   | 60.5   | 57.6   | 54.4   | 52.4   | 50.9   | 160                                                                                    |
| 170                                                                                  | 64     | 60.5   | 56.2   | 53.4   | 52.6   | 49.5   | 46.2   | 44.1   | 42.6   | 170                                                                                    |
| 180                                                                                  |        | 53.8   | 49.5   | 46.6   | 45.7   | 42.5   | 39.3   | 37.1   | 35.5   | 180                                                                                    |
| 190                                                                                  |        | 47.9   | 43.5   | 40.5   | 39.5   | 36.3   | 33     | 30.8   | 29.2   | 190                                                                                    |
| 200                                                                                  |        |        | 38.2   | 35.1   | 34     | 30.8   | 27.4   | 25.1   | 23.5   | 200                                                                                    |
| 210                                                                                  |        |        |        | 30.2   | 29.1   | 25.8   | 22.4   | 20.1   | 18.3   | 210                                                                                    |
| 220                                                                                  |        |        |        | 26.1   | 24.8   | 21.5   | 18     | 15.6   | 13.8   | 220                                                                                    |
| 230                                                                                  |        |        |        | 22.5   | 21     | 17.6   | 14.1   |        |        | 230                                                                                    |
| 240                                                                                  |        |        |        |        | 17.5   | 14     |        |        |        | 240                                                                                    |

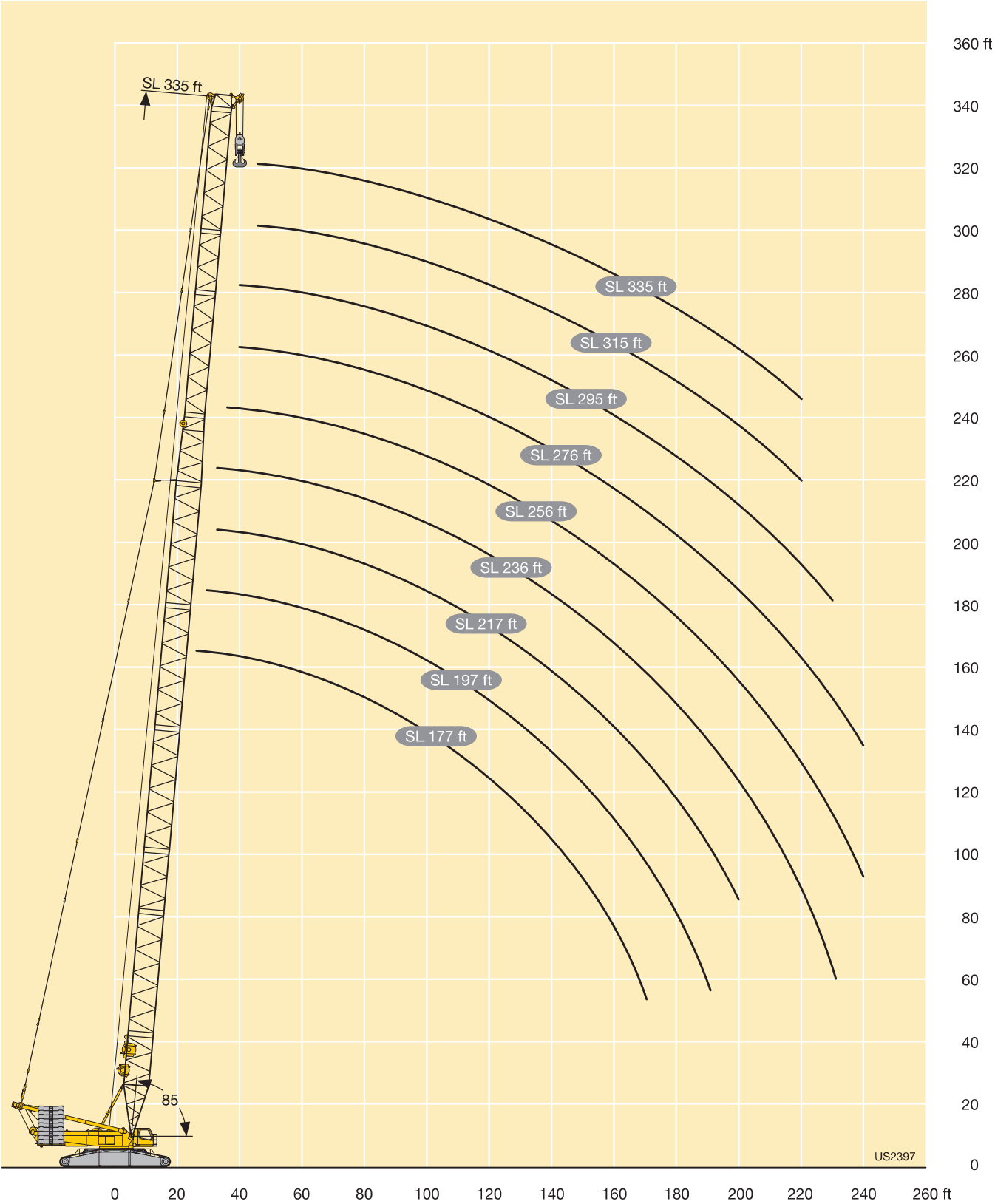
TAB 181018



**Lifting heights  
Hauteurs de levage**

**SL**

**B**



HSLDB/B2/BW

HSL 177 - 453

| HSL 177 - 453 |                    |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |                           |                           |                           |
|---------------|--------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|---------------------------|---------------------------|---------------------------|
| ft            |                    | 177                      | 197                      | 217                      | 236                      | 256                      | 276                      | 295                      | 315                      | 335                      | 354                      | 374                      | 394                      | 413                       | 433                       | 453                       |
| 30            | -<br>B<br>B2<br>BW | 670<br>676<br>675<br>675 |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |                           |                           |                           |
| 32            | -<br>B<br>B2<br>BW | 654<br>677<br>677<br>677 | 617<br>673<br>594<br>629 | 659                      |                          |                          |                          |                          |                          |                          |                          |                          |                          |                           |                           |                           |
| 34            | -<br>B<br>B2<br>BW | 623<br>679<br>678<br>679 | 595<br>673<br>669<br>672 | 667<br>661<br>662        |                          |                          |                          |                          |                          |                          |                          |                          |                          |                           |                           |                           |
| 36            | -<br>B<br>B2<br>BW | 583<br>680<br>679<br>681 | 557<br>672<br>671<br>673 | 532<br>668<br>663<br>663 | 510<br>645<br>490<br>642 |                          |                          |                          |                          |                          |                          |                          |                          |                           |                           |                           |
| 38            | -<br>B<br>B2<br>BW | 549<br>682<br>681<br>683 | 525<br>674<br>673<br>674 | 504<br>669<br>665<br>665 | 484<br>647<br>648<br>647 |                          |                          |                          |                          |                          |                          |                          |                          |                           |                           |                           |
| 40            | -<br>B<br>B2<br>BW | 517<br>684<br>683<br>685 | 496<br>676<br>675<br>676 | 476<br>670<br>667<br>667 | 458<br>647<br>649<br>648 | 443<br>600<br>601<br>601 | 426<br>572<br>572        |                          |                          |                          |                          |                          |                          |                           |                           |                           |
| 45            | -<br>B<br>B2<br>BW | 451<br>687<br>689<br>691 | 434<br>681<br>681<br>682 | 418<br>671<br>673<br>673 | 403<br>645<br>653<br>653 | 390<br>604<br>604<br>604 | 376<br>576<br>576<br>576 | 354<br>533<br>501<br>534 | 339<br>496<br>483<br>491 | 331<br>436<br>439<br>440 |                          |                          |                          |                           |                           |                           |
| 50            | -<br>B<br>B2<br>BW | 399<br>694<br>696<br>696 | 385<br>685<br>687<br>688 | 371<br>675<br>679<br>678 | 358<br>650<br>659<br>659 | 348<br>605<br>608<br>608 | 336<br>572<br>579<br>579 | 324<br>533<br>536<br>536 | 310<br>497<br>498<br>497 | 304<br>429<br>432<br>433 |                          |                          |                          |                           |                           |                           |
| 55            | -<br>B<br>B2<br>BW | 356<br>697<br>699<br>698 | 343<br>690<br>693<br>694 | 331<br>677<br>684<br>684 | 320<br>647<br>659<br>659 | 312<br>607<br>613<br>613 | 301<br>573<br>582<br>583 | 292<br>533<br>539<br>538 | 279<br>493<br>498<br>497 | 274<br>423<br>423<br>424 | 266<br>349<br>341<br>341 | 254<br>359<br>350<br>350 | 247<br>307<br>297<br>297 | 220<br>264<br>256         |                           |                           |
| 60            | -<br>B<br>B2<br>BW | 320<br>694<br>699<br>696 | 308<br>694<br>696<br>698 | 298<br>683<br>689<br>690 | 288<br>642<br>659<br>657 | 281<br>606<br>617<br>617 | 272<br>579<br>585<br>586 | 263<br>533<br>542<br>542 | 252<br>487<br>495<br>495 | 247<br>417<br>413<br>414 | 241<br>341<br>331<br>331 | 229<br>356<br>346<br>346 | 223<br>305<br>295<br>295 | 216<br>262<br>254<br>254  | 210<br>221<br>212<br>212  | 189<br>191<br>184<br>184  |
| 65            | -<br>B<br>B2<br>BW | 289<br>704<br>705<br>704 | 279<br>683<br>689<br>688 | 270<br>688<br>693<br>695 | 261<br>656<br>674<br>674 | 255<br>605<br>622<br>623 | 247<br>573<br>583<br>583 | 239<br>533<br>545<br>545 | 228<br>485<br>493<br>492 | 225<br>409<br>401<br>402 | 219<br>329<br>318<br>318 | 208<br>354<br>343<br>343 | 203<br>304<br>294<br>294 | 197<br>260<br>253<br>253  | 191<br>220<br>211<br>211  | 184<br>189<br>183<br>183  |
| 70            | -<br>B<br>B2<br>BW | 264<br>705<br>705<br>705 | 255<br>689<br>700<br>697 | 247<br>673<br>687<br>682 | 239<br>661<br>676<br>676 | 233<br>607<br>628<br>628 | 226<br>573<br>592<br>591 | 219<br>524<br>536<br>535 | 208<br>482<br>488<br>488 | 206<br>398<br>389<br>390 | 201<br>318<br>305<br>305 | 190<br>352<br>342<br>342 | 185<br>302<br>293<br>293 | 180<br>257<br>252<br>252  | 174<br>218<br>210<br>210  | 170<br>187<br>182<br>182  |
| 75            | -<br>B<br>B2<br>BW | 239<br>704<br>705<br>705 | 233<br>693<br>705<br>701 | 226<br>663<br>685<br>672 | 218<br>654<br>666<br>669 | 214<br>610<br>632<br>632 | 207<br>577<br>598<br>598 | 200<br>519<br>528<br>528 | 191<br>474<br>479<br>479 | 188<br>388<br>377<br>377 | 184<br>307<br>291<br>291 | 174<br>351<br>341<br>341 | 169<br>299<br>293<br>292 | 164<br>255<br>251<br>251  | 159<br>216<br>210<br>210  | 155<br>184<br>182<br>182  |
| 80            | -<br>B<br>B2<br>BW | 217<br>694<br>702<br>699 | 214<br>688<br>705<br>698 | 207<br>655<br>684<br>665 | 200<br>637<br>653<br>655 | 197<br>605<br>628<br>630 | 190<br>577<br>600<br>600 | 184<br>513<br>521<br>522 | 175<br>463<br>466<br>466 | 173<br>377<br>365<br>365 | 169<br>296<br>278<br>278 | 159<br>349<br>340<br>340 | 155<br>297<br>292<br>292 | 150<br>252<br>251<br>251  | 146<br>213<br>210<br>210  | 142<br>182<br>181<br>181  |
| 85            | -<br>B<br>B2<br>BW | 198<br>665<br>689<br>675 | 196<br>679<br>703<br>688 | 191<br>642<br>678<br>651 | 185<br>620<br>648<br>635 | 181<br>591<br>607<br>612 | 175<br>572<br>599<br>596 | 169<br>508<br>512<br>513 | 161<br>453<br>452<br>453 | 159<br>365<br>353<br>353 | 155<br>285<br>266<br>266 | 146<br>346<br>339<br>340 | 142<br>295<br>291<br>291 | 138<br>250<br>250<br>250  | 134<br>210<br>209<br>209  | 130<br>180<br>180<br>180  |
| 90            | -<br>B<br>B2<br>BW | 182<br>636<br>668<br>645 | 180<br>646<br>674<br>655 | 177<br>627<br>668<br>636 | 171<br>602<br>635<br>615 | 168<br>576<br>602<br>593 | 162<br>557<br>585<br>579 | 157<br>498<br>502<br>501 | 148<br>442<br>439<br>440 | 147<br>354<br>341<br>341 | 143<br>275<br>254<br>254 | 134<br>343<br>339<br>340 | 131<br>291<br>291<br>291 | 127<br>246<br>249<br>249  | 123<br>208<br>209<br>209  | 120<br>178<br>179<br>179  |
| 95            | -<br>B<br>B2<br>BW | 167<br>607<br>645<br>616 | 165<br>612<br>643<br>621 | 164<br>604<br>645<br>612 | 158<br>584<br>621<br>595 | 156<br>560<br>593<br>575 | 150<br>541<br>571<br>560 | 145<br>485<br>491<br>488 | 137<br>432<br>427<br>427 | 136<br>342<br>330<br>330 | 133<br>265<br>241<br>242 | 124<br>339<br>339<br>340 | 121<br>288<br>290<br>290 | 117<br>243<br>247<br>248  | 113<br>206<br>208<br>208  | 110<br>177<br>178<br>178  |
| 100           | -<br>B<br>B2<br>BW | 154<br>580<br>620<br>588 | 152<br>579<br>612<br>587 | 151<br>575<br>615<br>584 | 147<br>564<br>603<br>573 | 144<br>545<br>579<br>557 | 139<br>526<br>557<br>542 | 134<br>475<br>483<br>478 | 126<br>423<br>418<br>417 | 126<br>332<br>320<br>320 | 123<br>254<br>229<br>230 | 114<br>336<br>339<br>340 | 111<br>285<br>289<br>289 | 107<br>242<br>246<br>246  | 104<br>204<br>206<br>206  | 101<br>175<br>177<br>177  |
| 105           | -<br>B<br>B2<br>BW | 143<br>553<br>592<br>561 | 141<br>545<br>581<br>552 | 139<br>547<br>585<br>555 | 136<br>540<br>578<br>549 | 134<br>530<br>566<br>539 | 129<br>510<br>543<br>523 | 125<br>475<br>480<br>478 | 117<br>415<br>412<br>412 | 116<br>325<br>314<br>313 | 113<br>244<br>218<br>218 | 105<br>333<br>339<br>340 | 102<br>283<br>289<br>289 | 98.7<br>240<br>244<br>244 | 95.2<br>202<br>204<br>204 | 92.9<br>172<br>174<br>174 |
| 110           | -<br>B<br>B2       | 133<br>527<br>564        | 131<br>520<br>556        | 129<br>519<br>555        | 127<br>516<br>552        | 125<br>509<br>545        | 120<br>495<br>528        | 116<br>467<br>473        | 108<br>407<br>404        | 108<br>319<br>309        | 105<br>239<br>214        | 96.9<br>327<br>338       | 94.3<br>282<br>288       | 91<br>238<br>242          | 87.6<br>200<br>202        | 85.4<br>170<br>172        |

C



HSLDB/B2/BW

HSL 177 - 453

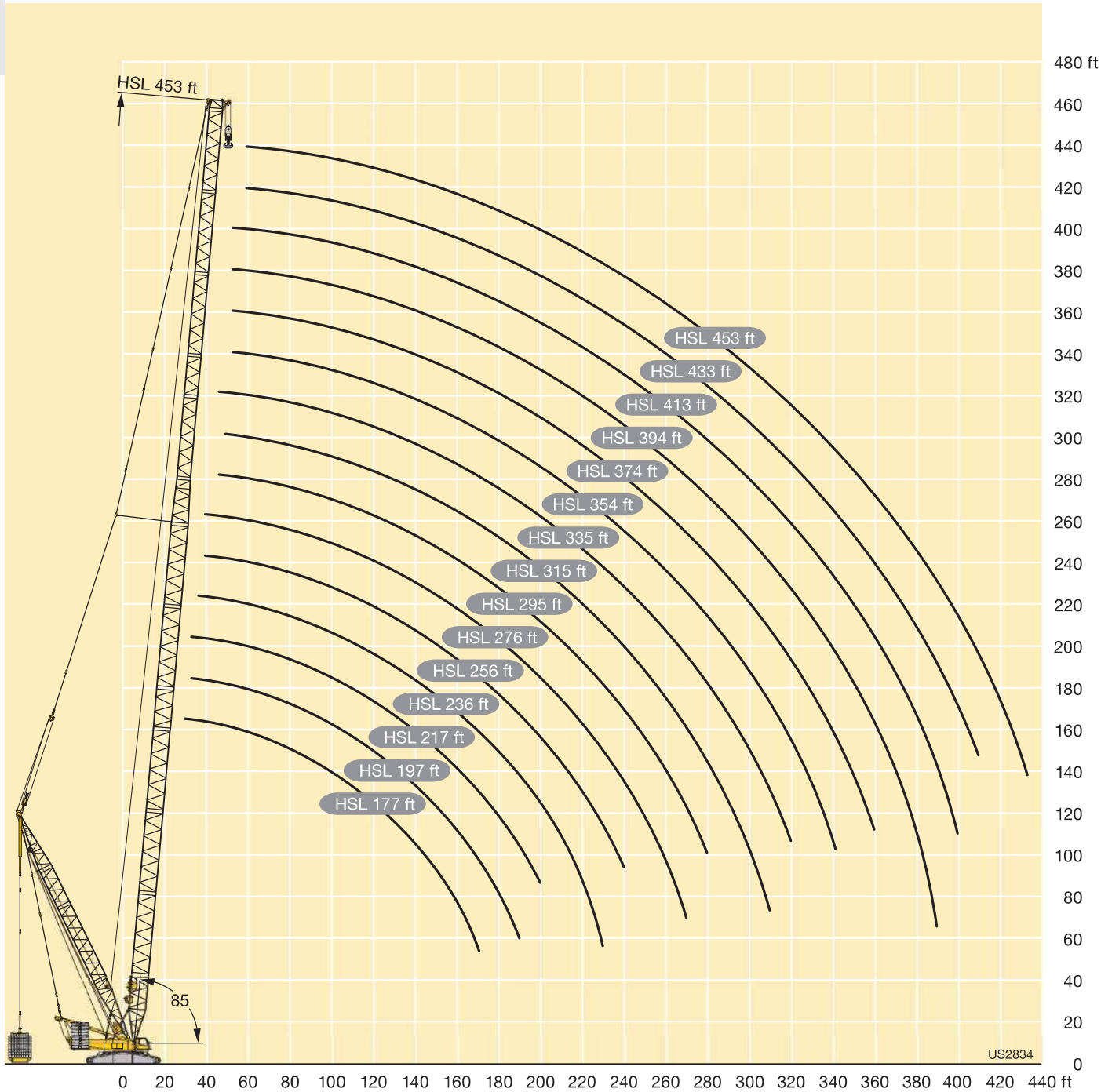
| ft<br> |                                  |  |  |  |  |  |  |  | <div>550000 – 771000 lbs</div> <div>331000 – 550000 lbs</div> <div>0 – 331000 lbs</div> <div>0 lbs</div> |                                   |                                   |                                   |                                   |                                   |                                   |                                   |
|-----------------------------------------------------------------------------------------|----------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|
|                                                                                         |                                  | HSL 177 – 453                                                                     |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                                          |                                   |                                   |                                   |                                   |                                   |                                   |                                   |
|                                                                                         |                                  | 177                                                                               | 197                                                                               | 217                                                                               | 236                                                                               | 256                                                                               | 276                                                                               | 295                                                                               | 315                                                                                                      | 335                               | 354                               | 374                               | 394                               | 413                               | 433                               | 453                               |
|                                                                                         |                                  |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                                          |                                   |                                   |                                   |                                   |                                   |                                   |                                   |
| 290                                                                                     | <div>–<br/>B<br/>B2<br/>BW</div> |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   | <div>102<br/>104<br/>104</div>                                                                           | <div>83.6<br/>84.9<br/>85.2</div> | <div>51.2<br/>51.4<br/>51.7</div> | <div>137<br/>153<br/>140</div>    | <div>136<br/>152<br/>140</div>    | <div>130<br/>139<br/>136</div>    | <div>110<br/>115<br/>114</div>    | <div>89.7<br/>92.3<br/>92.3</div> |
| 300                                                                                     | <div>–<br/>B<br/>B2<br/>BW</div> |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   | <div>90.6<br/>91.7<br/>91.8</div>                                                                        | <div>75.3<br/>76.4<br/>76.6</div> | <div>44.6<br/>44.2<br/>44.5</div> | <div>129<br/>144<br/>132</div>    | <div>128<br/>144<br/>131</div>    | <div>123<br/>134<br/>129</div>    | <div>107<br/>113<br/>111</div>    | <div>86.6<br/>90<br/>90.3</div>   |
| 310                                                                                     | <div>–<br/>B<br/>B2<br/>BW</div> |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   | <div>73.5<br/>74.1<br/>74.2</div>                                                                        | <div>67<br/>67.4<br/>67.6</div>   | <div>38.1<br/>37.1<br/>37.2</div> | <div>121<br/>137<br/>125</div>    | <div>120<br/>135<br/>123</div>    | <div>117<br/>129<br/>122</div>    | <div>104<br/>111<br/>108</div>    | <div>85.8<br/>88.1<br/>88.6</div> |
| 320                                                                                     | <div>–<br/>B<br/>B2<br/>BW</div> |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                                          | <div>59.1<br/>57.2<br/>57.6</div> | <div>31.6<br/>30<br/>30.2</div>   | <div>114<br/>129<br/>119</div>    | <div>113<br/>128<br/>116</div>    | <div>110<br/>125<br/>115</div>    | <div>100<br/>109<br/>105</div>    | <div>84.9<br/>86.4<br/>87.1</div> |
| 330                                                                                     | <div>–<br/>B<br/>B2<br/>BW</div> |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                                          |                                   | <div>25.3<br/>23.1<br/>23.3</div> | <div>107<br/>121<br/>112</div>    | <div>107<br/>121<br/>111</div>    | <div>103<br/>119<br/>108</div>    | <div>97.2<br/>107<br/>102</div>   | <div>83.6<br/>84.6<br/>85.6</div> |
| 340                                                                                     | <div>–<br/>B<br/>B2<br/>BW</div> |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                                          |                                   | <div>19<br/>16.8<br/>16.8</div>   | <div>100<br/>114<br/>106</div>    | <div>101<br/>114<br/>105</div>    | <div>97.8<br/>113<br/>103</div>   | <div>93.9<br/>105<br/>99.3</div>  | <div>82.2<br/>82.9<br/>84</div>   |
| 350                                                                                     | <div>–<br/>B<br/>B2<br/>BW</div> |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                                          |                                   |                                   | <div>89.8<br/>104<br/>99.4</div>  | <div>94.3<br/>107<br/>99.1</div>  | <div>92<br/>107<br/>98.3</div>    | <div>89<br/>101<br/>94.7</div>    | <div>80.9<br/>81.1<br/>82.4</div> |
| 360                                                                                     | <div>–<br/>B<br/>B2<br/>BW</div> |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                                          |                                   |                                   | <div>65.2<br/>87.6<br/>85.9</div> | <div>87.2<br/>99.9<br/>93.5</div> | <div>86.3<br/>101<br/>93.2</div>  | <div>83.8<br/>96.9<br/>89.8</div> | <div>78.4<br/>79.4<br/>80.3</div> |
| 370                                                                                     | <div>–<br/>B<br/>B2<br/>BW</div> |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                                          |                                   |                                   |                                   | <div>79<br/>91.7<br/>87.9</div>   | <div>80.5<br/>94.5<br/>88.1</div> | <div>78.4<br/>92.4<br/>84.9</div> | <div>75<br/>77.8<br/>77.6</div>   |
| 380                                                                                     | <div>–<br/>B<br/>B2<br/>BW</div> |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                                          |                                   |                                   |                                   | <div>69.6<br/>82.4<br/>81.9</div> | <div>74.5<br/>87.8<br/>82.8</div> | <div>73<br/>88<br/>79.8</div>     | <div>70.9<br/>76.2<br/>74.5</div> |
| 390                                                                                     | <div>–<br/>B<br/>B2<br/>BW</div> |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                                          |                                   |                                   |                                   | <div>27.8</div>                   | <div>67.6<br/>79.4<br/>76.7</div> | <div>67.6<br/>83.4<br/>74.8</div> | <div>66.9<br/>74.6<br/>71.5</div> |
| 400                                                                                     | <div>–<br/>B<br/>B2<br/>BW</div> |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                                          |                                   |                                   |                                   |                                   | <div>23.4</div>                   | <div>62.1<br/>76.9<br/>70.2</div> | <div>62.9<br/>73<br/>68.4</div>   |
| 410                                                                                     | <div>–<br/>B<br/>B2<br/>BW</div> |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                                          |                                   |                                   |                                   |                                   |                                   | <div>55.2<br/>67.7<br/>64.3</div> | <div>58.8<br/>70.6<br/>65.2</div> |
| 420                                                                                     | <div>–<br/>B<br/>B2<br/>BW</div> |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                                          |                                   |                                   |                                   |                                   |                                   |                                   | <div>54.4<br/>66.4<br/>61.6</div> |
| 430                                                                                     | <div>–<br/>B<br/>B2<br/>BW</div> |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                                          |                                   |                                   |                                   |                                   |                                   |                                   | <div>49.7<br/>59.6<br/>57.5</div> |

C

**Lifting heights  
Hauteurs de levage**

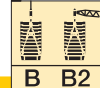
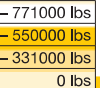
**HSLDB/BW/B2**

C



HSL2DB/B2/BW

HSL2 236 - 453

|     |                                                                                   |  236 – 453 ft<br>HSL2 |  118 ft<br>D |  143300 lbs |  331000 lbs |  B |  B2 |  BW |  550000 – 771000 lbs<br>331000 – 550000 lbs<br>0 – 331000 lbs<br>0 lbs |      |      |      |      |
|-----|-----------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------|------|------|------|------|
| ft  |  | HSL2 236 – 453                                                                                         |                                                                                               |                                                                                              |                                                                                              |                                                                                     |                                                                                      |                                                                                      |                                                                                                                                                          |      |      |      |      |
|     |                                                                                   | 236                                                                                                    | 256                                                                                           | 276                                                                                          | 295                                                                                          | 315                                                                                 | 335                                                                                  | 354                                                                                  | 374                                                                                                                                                      | 394  | 413  | 433  | 453  |
| 36  | –                                                                                 | 510                                                                                                    |                                                                                               |                                                                                              |                                                                                              |                                                                                     |                                                                                      |                                                                                      |                                                                                                                                                          |      |      |      |      |
|     | B                                                                                 | 645                                                                                                    |                                                                                               |                                                                                              |                                                                                              |                                                                                     |                                                                                      |                                                                                      |                                                                                                                                                          |      |      |      |      |
|     | B2                                                                                | 490                                                                                                    |                                                                                               |                                                                                              |                                                                                              |                                                                                     |                                                                                      |                                                                                      |                                                                                                                                                          |      |      |      |      |
|     | BW                                                                                | 642                                                                                                    |                                                                                               |                                                                                              |                                                                                              |                                                                                     |                                                                                      |                                                                                      |                                                                                                                                                          |      |      |      |      |
| 38  | –                                                                                 | 484                                                                                                    |                                                                                               |                                                                                              |                                                                                              |                                                                                     |                                                                                      |                                                                                      |                                                                                                                                                          |      |      |      |      |
|     | B                                                                                 | 647                                                                                                    |                                                                                               |                                                                                              |                                                                                              |                                                                                     |                                                                                      |                                                                                      |                                                                                                                                                          |      |      |      |      |
|     | B2                                                                                | 648                                                                                                    |                                                                                               |                                                                                              |                                                                                              |                                                                                     |                                                                                      |                                                                                      |                                                                                                                                                          |      |      |      |      |
|     | BW                                                                                | 647                                                                                                    |                                                                                               |                                                                                              |                                                                                              |                                                                                     |                                                                                      |                                                                                      |                                                                                                                                                          |      |      |      |      |
| 40  | –                                                                                 | 458                                                                                                    | 439                                                                                           | 422                                                                                          |                                                                                              |                                                                                     |                                                                                      |                                                                                      |                                                                                                                                                          |      |      |      |      |
|     | B                                                                                 | 647                                                                                                    | 626                                                                                           | 599                                                                                          |                                                                                              |                                                                                     |                                                                                      |                                                                                      |                                                                                                                                                          |      |      |      |      |
|     | B2                                                                                | 649                                                                                                    | 626                                                                                           | 599                                                                                          |                                                                                              |                                                                                     |                                                                                      |                                                                                      |                                                                                                                                                          |      |      |      |      |
|     | BW                                                                                | 648                                                                                                    | 627                                                                                           | 598                                                                                          |                                                                                              |                                                                                     |                                                                                      |                                                                                      |                                                                                                                                                          |      |      |      |      |
| 45  | –                                                                                 | 403                                                                                                    | 387                                                                                           | 372                                                                                          | 348                                                                                          | 334                                                                                 | 323                                                                                  |                                                                                      |                                                                                                                                                          |      |      |      |      |
|     | B                                                                                 | 645                                                                                                    | 629                                                                                           | 601                                                                                          | 564                                                                                          | 523                                                                                 | 489                                                                                  |                                                                                      |                                                                                                                                                          |      |      |      |      |
|     | B2                                                                                | 653                                                                                                    | 630                                                                                           | 603                                                                                          | 552                                                                                          | 479                                                                                 | 482                                                                                  |                                                                                      |                                                                                                                                                          |      |      |      |      |
|     | BW                                                                                | 653                                                                                                    | 631                                                                                           | 602                                                                                          | 553                                                                                          | 524                                                                                 | 482                                                                                  |                                                                                      |                                                                                                                                                          |      |      |      |      |
| 50  | –                                                                                 | 358                                                                                                    | 344                                                                                           | 332                                                                                          | 318                                                                                          | 306                                                                                 | 296                                                                                  |                                                                                      |                                                                                                                                                          |      |      |      |      |
|     | B                                                                                 | 650                                                                                                    | 629                                                                                           | 596                                                                                          | 561                                                                                          | 524                                                                                 | 489                                                                                  |                                                                                      |                                                                                                                                                          |      |      |      |      |
|     | B2                                                                                | 659                                                                                                    | 635                                                                                           | 605                                                                                          | 548                                                                                          | 527                                                                                 | 480                                                                                  |                                                                                      |                                                                                                                                                          |      |      |      |      |
|     | BW                                                                                | 659                                                                                                    | 636                                                                                           | 606                                                                                          | 548                                                                                          | 527                                                                                 | 480                                                                                  |                                                                                      |                                                                                                                                                          |      |      |      |      |
| 55  | –                                                                                 | 320                                                                                                    | 308                                                                                           | 297                                                                                          | 285                                                                                          | 274                                                                                 | 265                                                                                  | 257                                                                                  | 250                                                                                                                                                      | 242  | 216  |      |      |
|     | B                                                                                 | 647                                                                                                    | 631                                                                                           | 598                                                                                          | 556                                                                                          | 522                                                                                 | 485                                                                                  | 441                                                                                  | 386                                                                                                                                                      | 337  | 294  |      |      |
|     | B2                                                                                | 659                                                                                                    | 640                                                                                           | 608                                                                                          | 543                                                                                          | 527                                                                                 | 477                                                                                  | 446                                                                                  | 390                                                                                                                                                      | 340  |      |      |      |
|     | BW                                                                                | 659                                                                                                    | 641                                                                                           | 610                                                                                          | 542                                                                                          | 527                                                                                 | 477                                                                                  | 446                                                                                  | 390                                                                                                                                                      | 340  |      |      |      |
| 60  | –                                                                                 | 288                                                                                                    | 277                                                                                           | 268                                                                                          | 257                                                                                          | 247                                                                                 | 239                                                                                  | 231                                                                                  | 225                                                                                                                                                      | 218  | 212  | 206  | 201  |
|     | B                                                                                 | 642                                                                                                    | 630                                                                                           | 603                                                                                          | 551                                                                                          | 515                                                                                 | 480                                                                                  | 438                                                                                  | 384                                                                                                                                                      | 336  | 293  | 254  | 220  |
|     | B2                                                                                | 659                                                                                                    | 645                                                                                           | 611                                                                                          | 536                                                                                          | 525                                                                                 | 474                                                                                  | 444                                                                                  | 389                                                                                                                                                      | 339  | 296  | 245  | 209  |
|     | BW                                                                                | 657                                                                                                    | 644                                                                                           | 613                                                                                          | 536                                                                                          | 525                                                                                 | 474                                                                                  | 444                                                                                  | 389                                                                                                                                                      | 339  | 296  | 245  | 209  |
| 65  | –                                                                                 | 261                                                                                                    | 251                                                                                           | 243                                                                                          | 233                                                                                          | 224                                                                                 | 217                                                                                  | 209                                                                                  | 204                                                                                                                                                      | 198  | 193  | 187  | 183  |
|     | B                                                                                 | 656                                                                                                    | 620                                                                                           | 595                                                                                          | 549                                                                                          | 511                                                                                 | 476                                                                                  | 434                                                                                  | 381                                                                                                                                                      | 334  | 292  | 253  | 219  |
|     | B2                                                                                | 674                                                                                                    | 650                                                                                           | 606                                                                                          | 530                                                                                          | 522                                                                                 | 470                                                                                  | 442                                                                                  | 388                                                                                                                                                      | 338  | 295  | 243  | 207  |
|     | BW                                                                                | 674                                                                                                    | 651                                                                                           | 610                                                                                          | 530                                                                                          | 522                                                                                 | 471                                                                                  | 442                                                                                  | 388                                                                                                                                                      | 338  | 295  | 243  | 207  |
| 70  | –                                                                                 | 239                                                                                                    | 229                                                                                           | 222                                                                                          | 212                                                                                          | 204                                                                                 | 197                                                                                  | 191                                                                                  | 186                                                                                                                                                      | 180  | 176  | 171  | 167  |
|     | B                                                                                 | 661                                                                                                    | 630                                                                                           | 600                                                                                          | 532                                                                                          | 505                                                                                 | 472                                                                                  | 432                                                                                  | 380                                                                                                                                                      | 332  | 291  | 252  | 218  |
|     | B2                                                                                | 676                                                                                                    | 655                                                                                           | 618                                                                                          | 521                                                                                          | 515                                                                                 | 467                                                                                  | 440                                                                                  | 387                                                                                                                                                      | 336  | 294  | 242  | 205  |
|     | BW                                                                                | 676                                                                                                    | 656                                                                                           | 619                                                                                          | 519                                                                                          | 517                                                                                 | 468                                                                                  | 441                                                                                  | 387                                                                                                                                                      | 336  | 294  | 242  | 205  |
| 75  | –                                                                                 | 218                                                                                                    | 210                                                                                           | 203                                                                                          | 194                                                                                          | 186                                                                                 | 180                                                                                  | 174                                                                                  | 170                                                                                                                                                      | 164  | 160  | 156  | 152  |
|     | B                                                                                 | 654                                                                                                    | 635                                                                                           | 603                                                                                          | 509                                                                                          | 493                                                                                 | 464                                                                                  | 429                                                                                  | 378                                                                                                                                                      | 331  | 289  | 250  | 216  |
|     | B2                                                                                | 666                                                                                                    | 658                                                                                           | 626                                                                                          | 514                                                                                          | 511                                                                                 | 461                                                                                  | 438                                                                                  | 386                                                                                                                                                      | 335  | 293  | 239  | 204  |
|     | BW                                                                                | 669                                                                                                    | 660                                                                                           | 626                                                                                          | 512                                                                                          | 513                                                                                 | 461                                                                                  | 439                                                                                  | 386                                                                                                                                                      | 335  | 293  | 239  | 204  |
| 80  | –                                                                                 | 200                                                                                                    | 192                                                                                           | 186                                                                                          | 177                                                                                          | 170                                                                                 | 165                                                                                  | 159                                                                                  | 155                                                                                                                                                      | 150  | 146  | 142  | 139  |
|     | B                                                                                 | 637                                                                                                    | 631                                                                                           | 603                                                                                          | 496                                                                                          | 482                                                                                 | 450                                                                                  | 424                                                                                  | 376                                                                                                                                                      | 329  | 288  | 249  | 214  |
|     | B2                                                                                | 653                                                                                                    | 655                                                                                           | 629                                                                                          | 507                                                                                          | 508                                                                                 | 455                                                                                  | 436                                                                                  | 385                                                                                                                                                      | 334  | 292  | 237  | 203  |
|     | BW                                                                                | 655                                                                                                    | 656                                                                                           | 629                                                                                          | 508                                                                                          | 509                                                                                 | 455                                                                                  | 436                                                                                  | 385                                                                                                                                                      | 334  | 292  | 237  | 203  |
| 85  | –                                                                                 | 185                                                                                                    | 177                                                                                           | 171                                                                                          | 163                                                                                          | 156                                                                                 | 151                                                                                  | 145                                                                                  | 142                                                                                                                                                      | 137  | 134  | 130  | 127  |
|     | B                                                                                 | 620                                                                                                    | 610                                                                                           | 599                                                                                          | 489                                                                                          | 479                                                                                 | 442                                                                                  | 415                                                                                  | 370                                                                                                                                                      | 326  | 287  | 247  | 212  |
|     | B2                                                                                | 648                                                                                                    | 637                                                                                           | 626                                                                                          | 500                                                                                          | 504                                                                                 | 454                                                                                  | 434                                                                                  | 382                                                                                                                                                      | 332  | 291  | 235  | 202  |
|     | BW                                                                                | 635                                                                                                    | 632                                                                                           | 625                                                                                          | 501                                                                                          | 504                                                                                 | 455                                                                                  | 432                                                                                  | 382                                                                                                                                                      | 332  | 291  | 235  | 201  |
| 90  | –                                                                                 | 171                                                                                                    | 164                                                                                           | 158                                                                                          | 150                                                                                          | 143                                                                                 | 139                                                                                  | 133                                                                                  | 130                                                                                                                                                      | 126  | 123  | 119  | 116  |
|     | B                                                                                 | 602                                                                                                    | 589                                                                                           | 579                                                                                          | 477                                                                                          | 473                                                                                 | 438                                                                                  | 410                                                                                  | 367                                                                                                                                                      | 324  | 284  | 246  | 210  |
|     | B2                                                                                | 635                                                                                                    | 619                                                                                           | 608                                                                                          | 488                                                                                          | 500                                                                                 | 450                                                                                  | 431                                                                                  | 381                                                                                                                                                      | 331  | 290  | 233  | 200  |
|     | BW                                                                                | 615                                                                                                    | 608                                                                                           | 602                                                                                          | 491                                                                                          | 501                                                                                 | 451                                                                                  | 431                                                                                  | 381                                                                                                                                                      | 331  | 290  | 233  | 200  |
| 95  | –                                                                                 | 158                                                                                                    | 151                                                                                           | 146                                                                                          | 138                                                                                          | 132                                                                                 | 127                                                                                  | 123                                                                                  | 120                                                                                                                                                      | 115  | 113  | 109  | 107  |
|     | B                                                                                 | 584                                                                                                    | 569                                                                                           | 558                                                                                          | 460                                                                                          | 463                                                                                 | 433                                                                                  | 406                                                                                  | 363                                                                                                                                                      | 322  | 282  | 244  | 208  |
|     | B2                                                                                | 621                                                                                                    | 601                                                                                           | 588                                                                                          | 480                                                                                          | 491                                                                                 | 446                                                                                  | 429                                                                                  | 380                                                                                                                                                      | 329  | 289  | 232  | 199  |
|     | BW                                                                                | 595                                                                                                    | 584                                                                                           | 577                                                                                          | 479                                                                                          | 493                                                                                 | 446                                                                                  | 429                                                                                  | 380                                                                                                                                                      | 329  | 289  | 232  | 199  |
| 100 | –                                                                                 | 147                                                                                                    | 140                                                                                           | 135                                                                                          | 128                                                                                          | 121                                                                                 | 117                                                                                  | 112                                                                                  | 110                                                                                                                                                      | 106  | 103  | 100  | 97.6 |
|     | B                                                                                 | 564                                                                                                    | 548                                                                                           | 537                                                                                          | 444                                                                                          | 450                                                                                 | 425                                                                                  | 402                                                                                  | 359                                                                                                                                                      | 320  | 280  | 241  | 206  |
|     | B2                                                                                | 603                                                                                                    | 583                                                                                           | 568                                                                                          | 474                                                                                          | 479                                                                                 | 440                                                                                  | 426                                                                                  | 378                                                                                                                                                      | 328  | 287  | 230  | 199  |
|     | BW                                                                                | 573                                                                                                    | 560                                                                                           | 553                                                                                          | 469                                                                                          | 483                                                                                 | 440                                                                                  | 426                                                                                  | 379                                                                                                                                                      | 328  | 287  | 230  | 198  |
| 105 | –                                                                                 | 136                                                                                                    | 130                                                                                           | 125                                                                                          | 118                                                                                          | 112                                                                                 | 108                                                                                  | 103                                                                                  | 101                                                                                                                                                      | 97.1 | 94.5 | 91.6 | 89.3 |
|     | B                                                                                 | 540                                                                                                    | 527                                                                                           | 516                                                                                          | 433                                                                                          | 435                                                                                 | 409                                                                                  | 397                                                                                  | 355                                                                                                                                                      | 318  | 277  | 240  | 204  |
|     | B2                                                                                | 578                                                                                                    | 565                                                                                           | 549                                                                                          | 465                                                                                          | 465                                                                                 | 431                                                                                  | 422                                                                                  | 376                                                                                                                                                      | 326  | 286  | 229  | 198  |
|     | BW                                                                                | 549                                                                                                    | 536                                                                                           | 528                                                                                          | 466                                                                                          | 472                                                                                 | 428                                                                                  | 422                                                                                  | 377                                                                                                                                                      | 327  | 286  | 229  | 198  |
| 110 | –                                                                                 | 127                                                                                                    | 121                                                                                           | 116                                                                                          | 109                                                                                          | 103                                                                                 | 99.5                                                                                 | 95.1                                                                                 | 92.7                                                                                                                                                     | 89.1 | 86.7 | 83.9 | 81.8 |
|     | B                                                                                 | 516                                                                                                    | 506                                                                                           | 495                                                                                          | 425                                                                                          | 432                                                                                 | 397                                                                                  | 385                                                                                  | 350                                                                                                                                                      | 316  | 276  | 239  | 203  |
|     | B2                                                                                | 552                                                                                                    | 543                                                                                           | 529                                                                                          | 456                                                                                          | 468                                                                                 | 428                                                                                  | 411                                                                                  | 373                                                                                                                                                      | 325  | 284  | 228  | 198  |
|     | BW                                                                                | 524                                                                                                    | 515                                                                                           | 504                                                                                          | 457                                                                                          | 460                                                                                 | 425                                                                                  | 414                                                                                  | 373                                                                                                                                                      | 325  | 284  | 229  | 198  |
| 115 | –                                                                                 | 118                                                                                                    | 113                                                                                           | 108                                                                                          | 101                                                                                          | 95.5                                                                                | 91.7                                                                                 | 87.4                                                                                 | 85.2                                                                                                                                                     | 81.8 | 79.5 | 76.8 | 74.8 |
|     | B                                                                                 | 492                                                                                                    | 486                                                                                           | 476                                                                                          | 418                                                                                          | 428                                                                                 | 393                                                                                  | 377                                                                                  | 343                                                                                                                                                      | 313  | 273  | 238  | 201  |
|     | B2                                                                                | 527                                                                                                    | 521                                                                                           | 509                                                                                          | 448                                                                                          | 463                                                                                 | 423                                                                                  | 407                                                                                  | 367                                                                                                                                                      | 321  | 283  | 227  | 197  |
|     | BW                                                                                | 499                                                                                                    | 493                                                                                           | 483                                                                                          | 448                                                                                          | 448                                                                                 | 419                                                                                  | 406                                                                                  | 365                                                                                                                                                      | 321  | 283  | 228  | 197  |
| 120 | –                                                                                 | 109                                                                                                    | 105                                                                                           | 99.9                                                                                         | 93.9                                                                                         | 88.1                                                                                | 84.5                                                                                 | 80.3                                                                                 | 78.2                                                                                                                                                     | 74.9 | 72.7 | 70.2 | 68.3 |
|     | B                                                                                 | 468                                                                                                    | 465                                                                                           | 457                                                                                          | 410                                                                                          | 422                                                                                 | 388                                                                                  | 371                                                                                  | 338                                                                                                                                                      | 308  | 269  | 237  | 200  |
|     | B2                                                                                | 501                                                                                                    | 498                                                                                           | 490                                                                                          | 438                                                                                          | 455                                                                                 | 417                                                                                  | 404                                                                                  | 363                                                                                                                                                      | 318  | 281  | 226  | 197  |
|     | BW                                                                                | 475                                                                                                    | 472                                                                                           | 463                                                                                          | 438                                                                                          | 437                                                                                 | 412                                                                                  | 398                                                                                  | 360                                                                                                                                                      | 317  | 281  | 227  | 197  |
| 125 | –                                                                                 | 101                                                                                                    | 97.6                                                                                          | 92.8                                                                                         | 86.9                                                                                         | 81.3                                                                                | 77.8                                                                                 | 73.7                                                                                 | 71.7                                                                                                                                                     | 68.5 | 66.4 | 64   | 62.2 |
|     | B                                                                                 | 444                                                                                                    | 444                                                                                           | 439                                                                                          | 400                                                                                          | 415                                                                                 | 382                                                                                  | 364                                                                                  | 332                                                                                                                                                      | 303  | 264  | 234  | 199  |
|     | B2                                                                                | 476                                                                                                    | 476                                                                                           | 471                                                                                          | 428                                                                                          | 447                                                                                 | 410                                                                                  | 398                                                                                  | 363                                                                                                                                                      | 318  | 277  | 225  | 196  |
|     | BW                                                                                | 451                                                                                                    | 451                                                                                           | 445                                                                                          | 425                                                                                          | 425                                                                                 | 404                                                                                  | 390                                                                                  | 360                                                                                                                                                      | 315  | 276  | 225  | 196  |

D





HSL2DB/B2/BW

HSL2 236 - 453

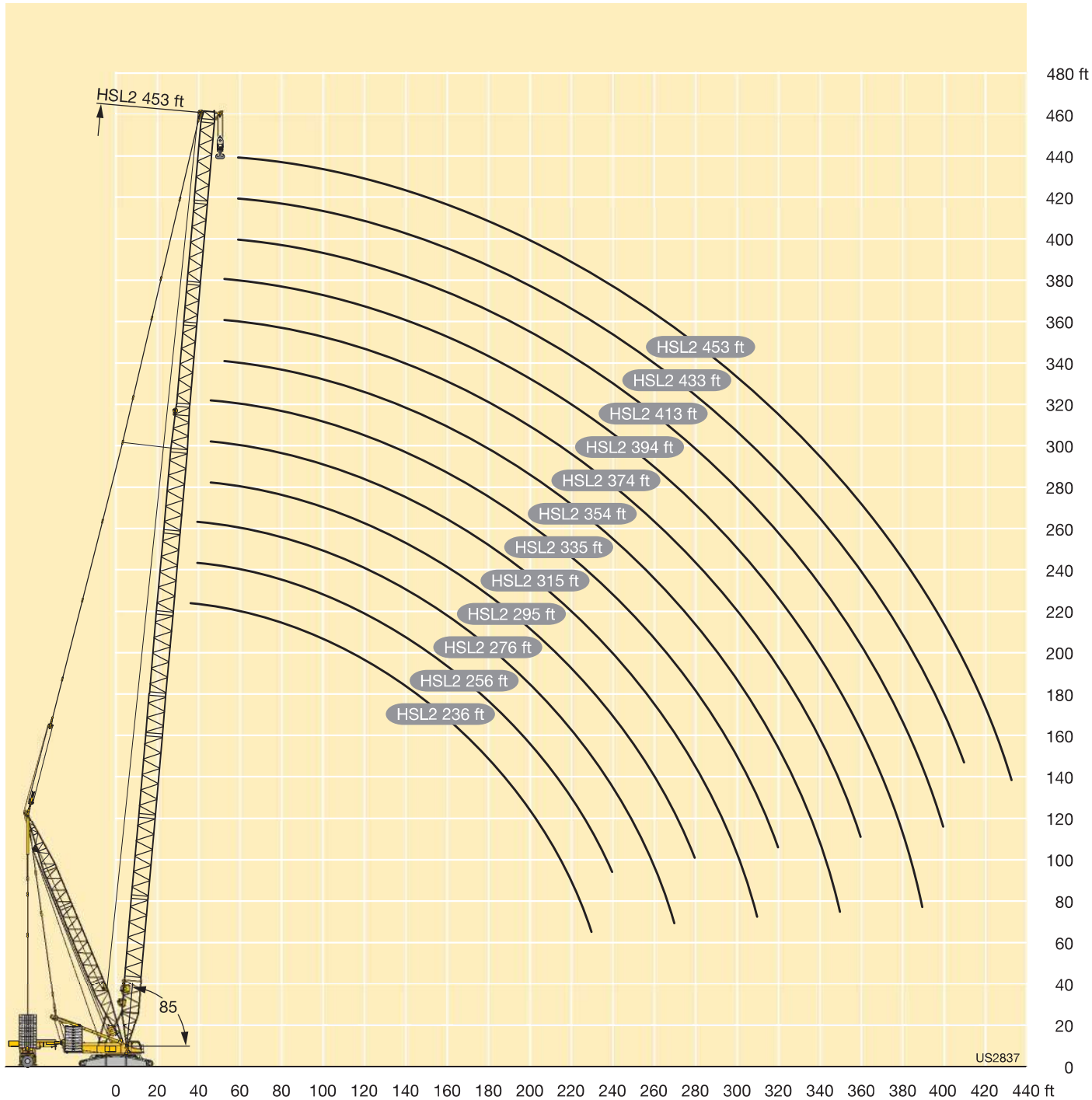
| <div>ft</div> <div></div> |                                                       | <div>236 – 453 ft</div> <div></div> | <div>118 ft</div> <div></div> | <div>143300 lbs</div> <div></div> | <div>331000 lbs</div> <div></div> | <div></div> | <div>550000 – 771000 lbs</div> <div>331000 – 550000 lbs</div> <div>0 – 331000 lbs</div> <div>0 lbs</div> |                                                 |                                                 |                                                 |                                                 |                                                 |                                              |  |
|---------------------------|-------------------------------------------------------|-------------------------------------|-------------------------------|-----------------------------------|-----------------------------------|-------------|----------------------------------------------------------------------------------------------------------|-------------------------------------------------|-------------------------------------------------|-------------------------------------------------|-------------------------------------------------|-------------------------------------------------|----------------------------------------------|--|
|                           |                                                       | HSL2 236 – 453                      |                               |                                   |                                   |             |                                                                                                          |                                                 |                                                 |                                                 |                                                 |                                                 |                                              |  |
|                           |                                                       | 236                                 | 256                           | 276                               | 295                               | 315         | 335                                                                                                      | 354                                             | 374                                             | 394                                             | 413                                             | 433                                             | 453                                          |  |
|                           |                                                       |                                     |                               |                                   |                                   |             |                                                                                                          |                                                 |                                                 |                                                 |                                                 |                                                 |                                              |  |
| 320                       | <div>–</div> <div>B</div> <div>B2</div> <div>BW</div> |                                     |                               |                                   |                                   |             | <div>102</div> <div>117</div> <div>114</div>                                                             | <div>111</div> <div>123</div> <div>116</div>    | <div>111</div> <div>124</div> <div>114</div>    | <div>109</div> <div>123</div> <div>112</div>    | <div>107</div> <div>122</div> <div>111</div>    | <div>106</div> <div>122</div> <div>111</div>    | <div>103</div> <div>121</div> <div>110</div> |  |
| 330                       | <div>–</div> <div>B</div> <div>B2</div> <div>BW</div> |                                     |                               |                                   |                                   |             | <div>102</div> <div>114</div> <div>109</div>                                                             | <div>104</div> <div>117</div> <div>107</div>    | <div>103</div> <div>116</div> <div>106</div>    | <div>100</div> <div>115</div> <div>104</div>    | <div>100</div> <div>114</div> <div>104</div>    | <div>97.1</div> <div>114</div> <div>103</div>   |                                              |  |
| 340                       | <div>–</div> <div>B</div> <div>B2</div> <div>BW</div> |                                     |                               |                                   |                                   |             | <div>90.5</div> <div>103</div> <div>102</div>                                                            | <div>97.1</div> <div>109</div> <div>101</div>   | <div>96.9</div> <div>110</div> <div>101</div>   | <div>94.8</div> <div>109</div> <div>98.2</div>  | <div>93.6</div> <div>107</div> <div>96.7</div>  | <div>91.7</div> <div>107</div> <div>97.1</div>  |                                              |  |
| 350                       | <div>–</div> <div>B</div> <div>B2</div> <div>BW</div> |                                     |                               |                                   |                                   |             | <div>58.6</div> <div>78.5</div> <div>78</div>                                                            | <div>88</div> <div>99.9</div> <div>95.1</div>   | <div>91.2</div> <div>103</div> <div>95.2</div>  | <div>89.3</div> <div>103</div> <div>92.8</div>  | <div>88.1</div> <div>101</div> <div>91.3</div>  | <div>86.3</div> <div>101</div> <div>90.9</div>  |                                              |  |
| 360                       | <div>–</div> <div>B</div> <div>B2</div> <div>BW</div> |                                     |                               |                                   |                                   |             |                                                                                                          | <div>62.1</div> <div>84.6</div> <div>83.2</div> | <div>83.6</div> <div>95.7</div> <div>89.6</div> | <div>83.8</div> <div>97.2</div> <div>87.4</div> | <div>82.7</div> <div>95.7</div> <div>86.2</div> | <div>81.2</div> <div>94.8</div> <div>85.3</div> |                                              |  |
| 370                       | <div>–</div> <div>B</div> <div>B2</div> <div>BW</div> |                                     |                               |                                   |                                   |             |                                                                                                          |                                                 | <div>74</div> <div>87.7</div> <div>84.2</div>   | <div>78.1</div> <div>91.2</div> <div>82.1</div> | <div>77.4</div> <div>90.3</div> <div>81.2</div> | <div>76.4</div> <div>89.5</div> <div>80.3</div> |                                              |  |
| 380                       | <div>–</div> <div>B</div> <div>B2</div> <div>BW</div> |                                     |                               |                                   |                                   |             |                                                                                                          |                                                 | <div>62.2</div> <div>78.6</div> <div>78.5</div> | <div>72</div> <div>84.7</div> <div>76.9</div>   | <div>72</div> <div>84.8</div> <div>76.1</div>   | <div>71.6</div> <div>84.5</div> <div>75.6</div> |                                              |  |
| 390                       | <div>–</div> <div>B</div> <div>B2</div> <div>BW</div> |                                     |                               |                                   |                                   |             |                                                                                                          |                                                 | <div>33.5</div>                                 | <div>64.4</div> <div>76.1</div> <div>40.7</div> | <div>66.7</div> <div>79.3</div> <div>71</div>   | <div>66.9</div> <div>79.6</div> <div>70.9</div> |                                              |  |
| 400                       | <div>–</div> <div>B</div> <div>B2</div> <div>BW</div> |                                     |                               |                                   |                                   |             |                                                                                                          |                                                 |                                                 | <div>43.6</div> <div>62</div> <div>60.7</div>   | <div>54.6</div> <div>73.1</div> <div>66.7</div> | <div>62.2</div> <div>74.6</div> <div>66.2</div> |                                              |  |
| 410                       | <div>–</div> <div>B</div> <div>B2</div> <div>BW</div> |                                     |                               |                                   |                                   |             |                                                                                                          |                                                 |                                                 |                                                 | <div>44.2</div> <div>64.9</div> <div>61.4</div> | <div>54.7</div> <div>69.3</div> <div>61.8</div> |                                              |  |
| 420                       | <div>–</div> <div>B</div> <div>B2</div> <div>BW</div> |                                     |                               |                                   |                                   |             |                                                                                                          |                                                 |                                                 |                                                 |                                                 | <div>41.4</div> <div>63.5</div> <div>57.8</div> |                                              |  |
| 430                       | <div>–</div> <div>B</div> <div>B2</div> <div>BW</div> |                                     |                               |                                   |                                   |             |                                                                                                          |                                                 |                                                 |                                                 |                                                 | <div>34.8</div> <div>56.9</div> <div>54.5</div> |                                              |  |

D



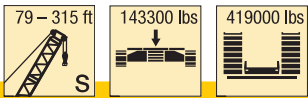
**Lifting heights  
Hauteurs de levage**

**HSL2DB/B2/BW**



S

S 79 - 315



|  ft | S 79 | S 98 | S 118 | S 138 | S 157 | S 177 | S 197 | S 217 | S 236 | S 256 | S 276 | S 295 | S 315 |  ft |
|--------------------------------------------------------------------------------------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----------------------------------------------------------------------------------------|
| 18                                                                                   | 1323 |      |       |       |       |       |       |       |       |       |       |       |       | 18                                                                                     |
| 19                                                                                   | 1286 |      |       |       |       |       |       |       |       |       |       |       |       | 19                                                                                     |
| 20                                                                                   | 1243 | 1235 |       |       |       |       |       |       |       |       |       |       |       | 20                                                                                     |
| 21                                                                                   | 1194 | 1183 | 1150  |       |       |       |       |       |       |       |       |       |       | 21                                                                                     |
| 22                                                                                   | 1147 | 1134 | 1121  |       |       |       |       |       |       |       |       |       |       | 22                                                                                     |
| 23                                                                                   | 1100 | 1086 | 1078  | 1058  |       |       |       |       |       |       |       |       |       | 23                                                                                     |
| 24                                                                                   | 1059 | 1047 | 1039  | 1021  |       |       |       |       |       |       |       |       |       | 24                                                                                     |
| 26                                                                                   | 977  | 971  | 960   | 947   | 926   | 902   |       |       |       |       |       |       |       | 26                                                                                     |
| 28                                                                                   | 904  | 902  | 892   | 883   | 870   | 853   |       |       |       |       |       |       |       | 28                                                                                     |
| 30                                                                                   | 837  | 837  | 827   | 822   | 809   | 798   | 773   |       |       |       |       |       |       | 30                                                                                     |
| 32                                                                                   | 784  | 780  | 770   | 766   | 759   | 742   | 715   | 663   | 637   |       |       |       |       | 32                                                                                     |
| 34                                                                                   | 734  | 727  | 720   | 714   | 711   | 690   | 663   | 637   | 612   |       |       |       |       | 34                                                                                     |
| 36                                                                                   | 687  | 676  | 677   | 664   | 665   | 640   | 616   | 593   | 570   | 543   |       |       |       | 36                                                                                     |
| 38                                                                                   | 642  | 641  | 633   | 629   | 621   | 599   | 578   | 556   | 536   | 516   |       |       |       | 38                                                                                     |
| 40                                                                                   | 601  | 606  | 593   | 595   | 581   | 562   | 542   | 523   | 504   | 489   | 454   | 417   |       | 40                                                                                     |
| 45                                                                                   | 508  | 509  | 505   | 505   | 501   | 485   | 469   | 453   | 437   | 425   | 408   | 376   | 339   | 45                                                                                     |
| 50                                                                                   | 434  | 434  | 432   | 431   | 430   | 423   | 411   | 398   | 384   | 375   | 362   | 344   | 317   | 50                                                                                     |
| 55                                                                                   | 375  | 374  | 373   | 371   | 370   | 369   | 362   | 352   | 340   | 332   | 322   | 311   | 292   | 55                                                                                     |
| 60                                                                                   | 328  | 328  | 326   | 324   | 323   | 321   | 320   | 313   | 304   | 297   | 287   | 277   | 269   | 60                                                                                     |
| 65                                                                                   | 292  | 291  | 289   | 287   | 286   | 284   | 282   | 280   | 273   | 267   | 259   | 249   | 243   | 65                                                                                     |
| 70                                                                                   | 262  | 262  | 259   | 258   | 256   | 254   | 252   | 250   | 247   | 242   | 234   | 226   | 220   | 70                                                                                     |
| 75                                                                                   | 237  | 237  | 234   | 233   | 230   | 229   | 227   | 224   | 222   | 220   | 213   | 205   | 200   | 75                                                                                     |
| 80                                                                                   |      | 215  | 213   | 211   | 209   | 207   | 205   | 202   | 200   | 200   | 194   | 186   | 182   | 80                                                                                     |
| 85                                                                                   |      | 197  | 194   | 192   | 190   | 188   | 186   | 184   | 181   | 181   | 178   | 170   | 166   | 85                                                                                     |
| 90                                                                                   |      | 182  | 179   | 177   | 175   | 172   | 170   | 168   | 165   | 165   | 163   | 156   | 152   | 90                                                                                     |
| 95                                                                                   |      | 168  | 165   | 163   | 161   | 159   | 156   | 154   | 151   | 151   | 149   | 143   | 139   | 95                                                                                     |
| 100                                                                                  |      |      | 153   | 151   | 148   | 146   | 144   | 141   | 139   | 138   | 136   | 131   | 128   | 100                                                                                    |
| 105                                                                                  |      |      | 142   | 140   | 137   | 135   | 133   | 130   | 127   | 127   | 125   | 121   | 117   | 105                                                                                    |
| 110                                                                                  |      |      | 133   | 130   | 128   | 125   | 123   | 120   | 117   | 117   | 115   | 111   | 108   | 110                                                                                    |
| 115                                                                                  |      |      | 124   | 122   | 119   | 117   | 114   | 111   | 109   | 108   | 106   | 103   | 99.5  | 115                                                                                    |
| 120                                                                                  |      |      |       | 114   | 111   | 109   | 106   | 103   | 100   | 100   | 97.5  | 94.5  | 91.5  | 120                                                                                    |
| 125                                                                                  |      |      |       | 107   | 104   | 101   | 99    | 96    | 93    | 92.5  | 90    | 86.5  | 84    | 125                                                                                    |
| 130                                                                                  |      |      |       | 101   | 97.5  | 95    | 92.5  | 89    | 86.5  | 86    | 83    | 79.5  | 77.5  | 130                                                                                    |
| 135                                                                                  |      |      |       |       | 91.5  | 89    | 86.5  | 83.5  | 80    | 79.5  | 77    | 73    | 71    | 135                                                                                    |
| 140                                                                                  |      |      |       |       | 86.5  | 84    | 81    | 77.5  | 74.5  | 73.5  | 70.5  | 67    | 65    | 140                                                                                    |
| 150                                                                                  |      |      |       |       | 77    | 74    | 71    | 67.5  | 63.5  | 63    | 59.7  | 55.9  | 54.3  | 150                                                                                    |
| 160                                                                                  |      |      |       |       |       | 65.5  | 62    | 58    | 54.3  | 53.5  | 50.2  | 46.3  | 44.7  | 160                                                                                    |
| 170                                                                                  |      |      |       |       |       | 58.2  | 54.1  | 50.1  | 46.2  | 45.4  | 42    | 38    | 36.3  | 170                                                                                    |
| 180                                                                                  |      |      |       |       |       |       | 47.6  | 43.3  | 39.4  | 38.4  | 35    | 31    | 29.2  | 180                                                                                    |
| 190                                                                                  |      |      |       |       |       |       | 41.9  | 37.4  | 33.3  | 32.2  | 28.7  | 24.7  | 22.9  | 190                                                                                    |
| 200                                                                                  |      |      |       |       |       |       |       | 32.1  | 27.9  | 26.7  | 23.1  | 19.1  | 17.2  | 200                                                                                    |
| 210                                                                                  |      |      |       |       |       |       |       |       | 23.1  | 21.8  | 18    |       |       | 210                                                                                    |
| 220                                                                                  |      |      |       |       |       |       |       |       | 19    | 17.5  | 13.7  |       |       | 220                                                                                    |
| 230                                                                                  |      |      |       |       |       |       |       |       |       | 13.7  |       |       |       | 230                                                                                    |

TAB 181009

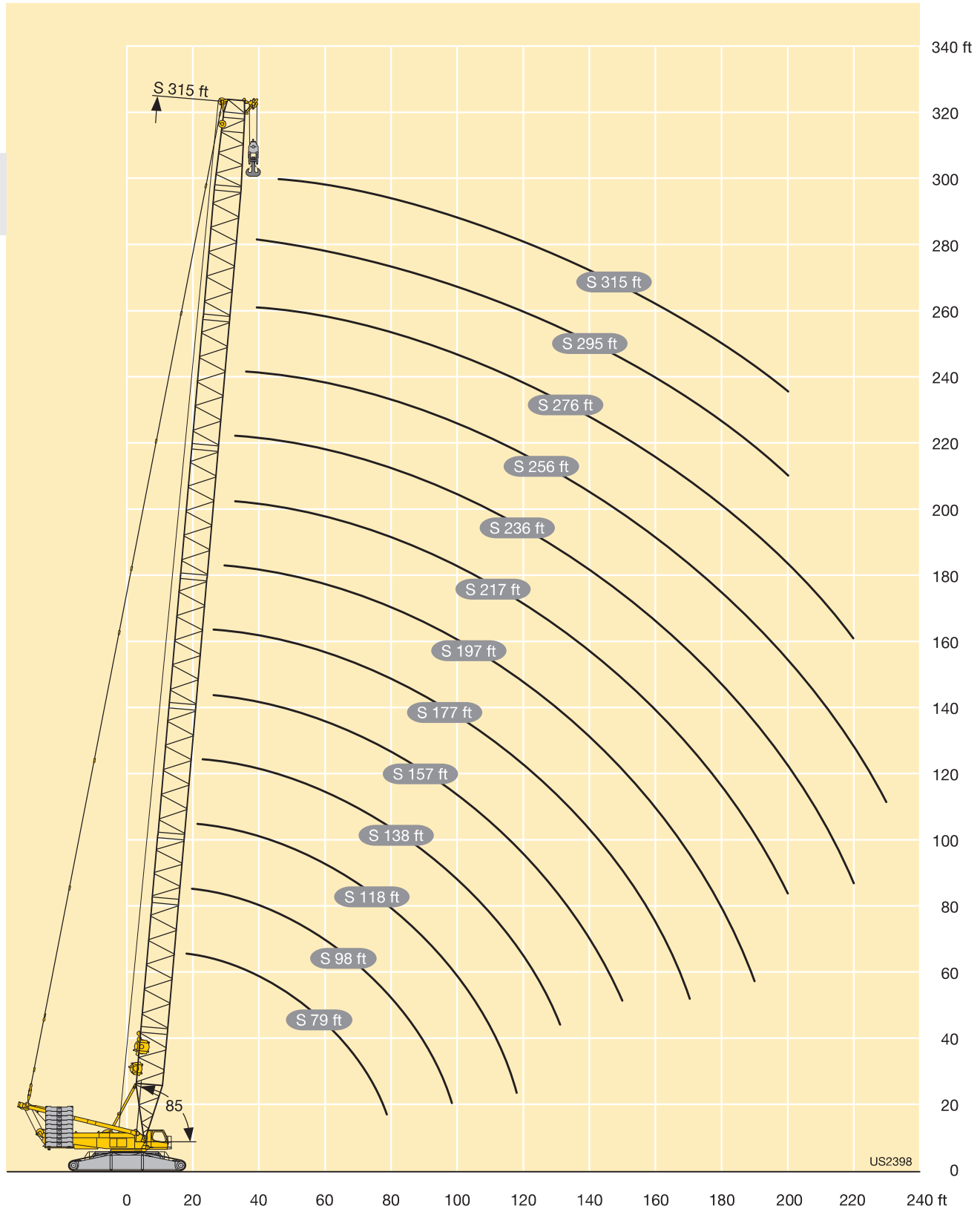
E



**Lifting heights  
Hauteurs de levage**

**S 79 - 315**

E







HSDB/B2/BW

HS 138 - 472

|                                                                                      |                    |  138 – 472 ft |  98 – 118 ft |  143300 lbs |  331000 lbs |  B B2 BW |     |     | 550000 – 771000 lbs |     | 331000 – 550000 lbs |                    | 0 – 331000 lbs       |                      | 0 lbs                |                      |                      |                      |                      |
|--------------------------------------------------------------------------------------|--------------------|------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------|-----|-----|---------------------|-----|---------------------|--------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|
| ft  |                    | HS 138 – 472                                                                                   |                                                                                               |                                                                                              |                                                                                              |                                                                                           |     |     |                     |     |                     |                    |                      |                      |                      |                      |                      |                      |                      |
|                                                                                      |                    | 138                                                                                            | 157                                                                                           | 177                                                                                          | 197                                                                                          | 217                                                                                       | 236 | 256 | 276                 | 295 | 315                 | 335                | 354                  | 374                  | 394                  | 413                  | 433                  | 453                  | 472                  |
| 290                                                                                  | –<br>B<br>B2<br>BW |                                                                                                |                                                                                               |                                                                                              |                                                                                              |                                                                                           |     |     |                     |     | 128<br>141<br>136   | 129<br>143<br>133  | 126<br>142<br>129    | 124<br>139<br>127    | 121<br>138<br>125    | 119<br>135<br>123    | 115<br>131<br>118    | 112<br>129<br>117    | 104<br>124<br>113    |
| 300                                                                                  | –<br>B<br>B2<br>BW |                                                                                                |                                                                                               |                                                                                              |                                                                                              |                                                                                           |     |     |                     |     | 113<br>127<br>125   | 121<br>134<br>125  | 119<br>134<br>122    | 116<br>130<br>118    | 113<br>129<br>117    | 112<br>127<br>115    | 108<br>124<br>112    | 105<br>122<br>109    | 97.5<br>116<br>104   |
| 310                                                                                  | –<br>B<br>B2<br>BW |                                                                                                |                                                                                               |                                                                                              |                                                                                              |                                                                                           |     |     |                     |     | 89.4<br>105<br>105  | 111<br>123<br>116  | 112<br>125<br>115    | 109<br>123<br>112    | 105<br>121<br>109    | 104<br>119<br>108    | 101<br>117<br>105    | 98.7<br>115<br>103   | 91.8<br>109<br>96.8  |
| 320                                                                                  | –<br>B<br>B2<br>BW |                                                                                                |                                                                                               |                                                                                              |                                                                                              |                                                                                           |     |     |                     |     |                     | 96.6<br>109<br>106 | 105<br>117<br>108    | 103<br>115<br>106    | 98.6<br>113<br>102   | 97<br>112<br>100     | 93.8<br>109<br>98    | 92.2<br>109<br>96    | 86.2<br>102<br>90.6  |
| 330                                                                                  | –<br>B<br>B2<br>BW |                                                                                                |                                                                                               |                                                                                              |                                                                                              |                                                                                           |     |     |                     |     |                     |                    | 95.8<br>107<br>101   | 96.9<br>108<br>99.2  | 92.8<br>107<br>96    | 90.1<br>104<br>93.3  | 86.8<br>102<br>91.1  | 85.8<br>102<br>89.5  | 80.7<br>96.1<br>84.7 |
| 340                                                                                  | –<br>B<br>B2<br>BW |                                                                                                |                                                                                               |                                                                                              |                                                                                              |                                                                                           |     |     |                     |     |                     |                    | 84.1<br>96.6<br>94.9 | 90.7<br>100<br>92.9  | 87<br>101<br>90      | 84.6<br>97.5<br>87.7 | 79.8<br>94.7<br>84.3 | 79.3<br>95.3<br>82.9 | 75.1<br>89.7<br>78.7 |
| 350                                                                                  | –<br>B<br>B2<br>BW |                                                                                                |                                                                                               |                                                                                              |                                                                                              |                                                                                           |     |     |                     |     |                     |                    | 62.4<br>77.4<br>77.5 | 80.2<br>90.3<br>86.3 | 81.2<br>94.1<br>84   | 79.2<br>91.1<br>82.1 | 74.8<br>88.8<br>79   | 72.8<br>88.7<br>76.4 | 69.6<br>83.3<br>72.8 |
| 360                                                                                  | –<br>B<br>B2<br>BW |                                                                                                |                                                                                               |                                                                                              |                                                                                              |                                                                                           |     |     |                     |     |                     |                    |                      | 66.5<br>78.1<br>76.8 | 74.3<br>86.5<br>78.3 | 73.7<br>84.6<br>76.4 | 70.2<br>83.2<br>74   | 67.5<br>82.7<br>70.9 | 64.1<br>77<br>66.9   |
| 370                                                                                  | –<br>B<br>B2<br>BW |                                                                                                |                                                                                               |                                                                                              |                                                                                              |                                                                                           |     |     |                     |     |                     |                    |                      |                      | 66.2<br>77.5<br>72.7 | 68.1<br>78.1<br>70.9 | 65.7<br>77.6<br>69   | 63.2<br>77.3<br>66.3 | 58.8<br>71<br>61.3   |
| 380                                                                                  | –<br>B<br>B2<br>BW |                                                                                                |                                                                                               |                                                                                              |                                                                                              |                                                                                           |     |     |                     |     |                     |                    |                      |                      | 56.9<br>67.2<br>67.3 | 62.2<br>71.5<br>65.7 | 61.1<br>72<br>64.1   | 59.2<br>72.2<br>62.2 | 54.2<br>66.1<br>56.6 |
| 390                                                                                  | –<br>B<br>B2<br>BW |                                                                                                |                                                                                               |                                                                                              |                                                                                              |                                                                                           |     |     |                     |     |                     |                    |                      |                      | 39.3<br>50.6<br>50.8 | 54.7<br>64.2<br>61.5 | 56.6<br>66.4<br>59.1 | 55.3<br>67<br>58.1   | 50.1<br>61.9<br>52.4 |
| 400                                                                                  | –<br>B<br>B2<br>BW |                                                                                                |                                                                                               |                                                                                              |                                                                                              |                                                                                           |     |     |                     |     |                     |                    |                      |                      |                      | 43.6<br>53.7<br>53.1 | 50.1<br>60.2<br>54.9 | 51.4<br>61.9<br>53.9 | 46<br>57.8<br>48.2   |
| 410                                                                                  | –<br>B<br>B2<br>BW |                                                                                                |                                                                                               |                                                                                              |                                                                                              |                                                                                           |     |     |                     |     |                     |                    |                      |                      |                      |                      | 42.1<br>53.3<br>50.7 | 46.8<br>56.3<br>49.7 | 42<br>53.7<br>44.1   |
| 420                                                                                  | –<br>B<br>B2<br>BW |                                                                                                |                                                                                               |                                                                                              |                                                                                              |                                                                                           |     |     |                     |     |                     |                    |                      |                      |                      |                      | 27.2<br>45.3<br>45.2 | 41<br>49.9<br>45.3   | 37.9<br>49.6<br>39.9 |
| 430                                                                                  | –<br>B<br>B2<br>BW |                                                                                                |                                                                                               |                                                                                              |                                                                                              |                                                                                           |     |     |                     |     |                     |                    |                      |                      |                      |                      | 20.9<br>31.7<br>31.6 | 33.7<br>42.3<br>40.6 | 33.6<br>44.9<br>36.1 |
| 440                                                                                  | –<br>B<br>B2<br>BW |                                                                                                |                                                                                               |                                                                                              |                                                                                              |                                                                                           |     |     |                     |     |                     |                    |                      |                      |                      |                      |                      | 19.1<br>32.8<br>32.5 | 28.7<br>38.9<br>33   |
| 450                                                                                  | –<br>B<br>B2<br>BW |                                                                                                |                                                                                               |                                                                                              |                                                                                              |                                                                                           |     |     |                     |     |                     |                    |                      |                      |                      |                      |                      |                      | 23<br>31.9<br>29.3   |

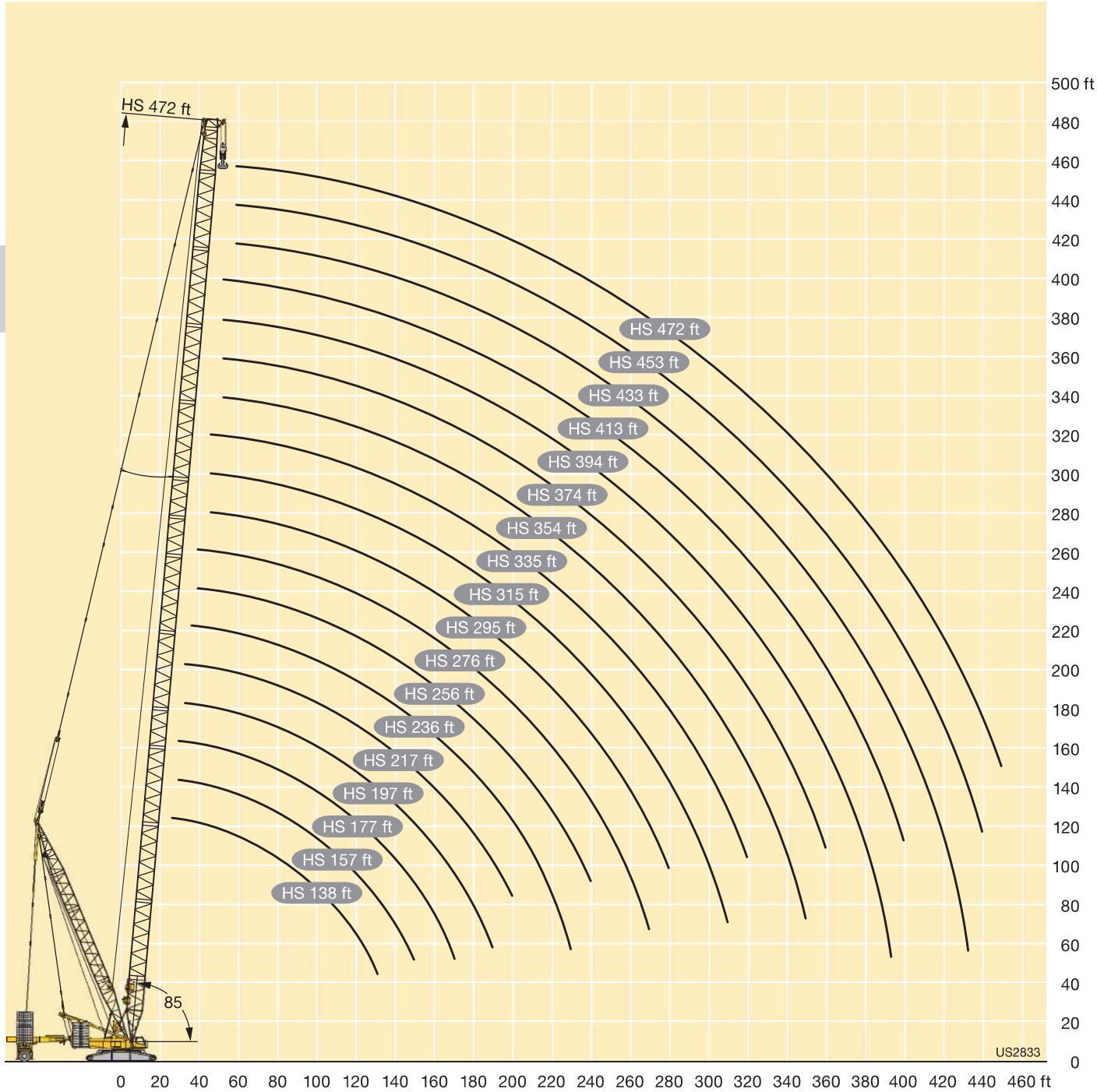
F



**Lifting heights  
Hauteurs de levage**

**HSDB/B2/BW**

F



**S 118**

# G

TAB 181047 / 181054 / 181061

TAB 181047 / 181054 / 181061





## S 177

# G

| <div><div> 177 ft<br/>S</div><div> 79 – 315 ft<br/>W</div><div> 143300 lbs</div><div> 419000 lbs</div></div> |      |       |      |       |     |       |      |       |      |       |      |      |     | S 177 |  |  |  |  |  |  |  |  |  |  |  |  |  | <div></div> ft |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-------|------|-------|-----|-------|------|-------|------|-------|------|------|-----|-------|--|--|--|--|--|--|--|--|--|--|--|--|--|-----------------------------------------------------------------------------------------------------|
| W 217                                                                                                                                                                                                                                                                                                                                                                                                                                                    |      | W 236 |      | W 256 |     | W 276 |      | W 295 |      | W 315 |      |      |     |       |  |  |  |  |  |  |  |  |  |  |  |  |  |                                                                                                     |
| 87°                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 77°  | 87°   | 77°  | 87°   | 77° | 87°   | 77°  | 87°   | 77°  | 87°   | 77°  | 87°  | 77° |       |  |  |  |  |  |  |  |  |  |  |  |  |  |                                                                                                     |
| 80                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 181  |       |      |       |     |       |      |       |      |       |      |      |     | 80    |  |  |  |  |  |  |  |  |  |  |  |  |  |                                                                                                     |
| 85                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 170  |       | 162  |       |     |       |      |       |      |       |      |      |     | 85    |  |  |  |  |  |  |  |  |  |  |  |  |  |                                                                                                     |
| 90                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 159  |       | 153  |       |     |       |      |       |      |       |      |      |     | 90    |  |  |  |  |  |  |  |  |  |  |  |  |  |                                                                                                     |
| 95                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 150  |       | 144  |       |     | 139   |      | 135   |      |       |      |      |     | 95    |  |  |  |  |  |  |  |  |  |  |  |  |  |                                                                                                     |
| 100                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 141  |       | 135  |       |     | 131   |      | 127   |      | 120   |      |      |     | 100   |  |  |  |  |  |  |  |  |  |  |  |  |  |                                                                                                     |
| 105                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 133  |       | 128  |       |     | 123   |      | 119   |      | 115   |      | 101  |     | 105   |  |  |  |  |  |  |  |  |  |  |  |  |  |                                                                                                     |
| 110                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 126  |       | 121  |       |     | 116   |      | 113   |      | 108   |      | 100  |     | 110   |  |  |  |  |  |  |  |  |  |  |  |  |  |                                                                                                     |
| 115                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 119  |       | 114  |       |     | 110   |      | 106   |      | 102   |      | 96   |     | 115   |  |  |  |  |  |  |  |  |  |  |  |  |  |                                                                                                     |
| 120                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 113  |       | 108  |       |     | 104   |      | 101   |      | 96    |      | 92   |     | 120   |  |  |  |  |  |  |  |  |  |  |  |  |  |                                                                                                     |
| 125                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 107  |       | 102  |       |     | 98    |      | 95    |      | 91    |      | 86   |     | 125   |  |  |  |  |  |  |  |  |  |  |  |  |  |                                                                                                     |
| 130                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 102  |       | 97   |       |     | 93    |      | 90    |      | 86    |      | 81   |     | 130   |  |  |  |  |  |  |  |  |  |  |  |  |  |                                                                                                     |
| 135                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 97   |       | 92   |       |     | 88    |      | 85    |      | 82    |      | 77   |     | 135   |  |  |  |  |  |  |  |  |  |  |  |  |  |                                                                                                     |
| 140                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 92   | 61    | 88   |       |     | 84    |      | 81    |      | 77    |      | 73   |     | 140   |  |  |  |  |  |  |  |  |  |  |  |  |  |                                                                                                     |
| 150                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 84   | 58    | 79   |       |     | 76    |      | 73    |      | 69    |      | 65   |     | 150   |  |  |  |  |  |  |  |  |  |  |  |  |  |                                                                                                     |
| 160                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 76   | 51    | 72   | 46.6  |     | 68    |      | 66    |      | 62    |      | 58   |     | 160   |  |  |  |  |  |  |  |  |  |  |  |  |  |                                                                                                     |
| 170                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 70   | 45.9  | 65   | 41.2  |     | 62    | 37.4 | 59    | 34.7 | 56    |      | 52   |     | 170   |  |  |  |  |  |  |  |  |  |  |  |  |  |                                                                                                     |
| 180                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 64   | 41.1  | 59   | 36.5  |     | 56    | 33.1 | 54    | 30.5 | 50    |      | 46.2 |     | 180   |  |  |  |  |  |  |  |  |  |  |  |  |  |                                                                                                     |
| 190                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 58   | 36.7  | 54   | 32.3  |     | 51    | 28.9 | 48.5  | 26.4 | 45.1  | 22.9 | 41.1 |     | 190   |  |  |  |  |  |  |  |  |  |  |  |  |  |                                                                                                     |
| 200                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 54   | 32.8  | 49.4 | 28.4  |     | 46.2  | 25.1 | 43.8  | 22.6 | 40.5  | 19.2 | 36.5 | 15  | 200   |  |  |  |  |  |  |  |  |  |  |  |  |  |                                                                                                     |
| 210                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 49.3 | 29.1  | 45   | 24.8  |     | 41.9  | 21.6 | 39.4  | 19.1 | 36.2  | 15.8 | 32.3 |     | 210   |  |  |  |  |  |  |  |  |  |  |  |  |  |                                                                                                     |
| 220                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 45.6 | 25.9  | 41.2 | 21.6  |     | 38    | 18.5 | 35.6  | 16   | 32.4  | 12.8 | 28.5 |     | 220   |  |  |  |  |  |  |  |  |  |  |  |  |  |                                                                                                     |
| 230                                                                                                                                                                                                                                                                                                                                                                                                                                                      |      | 23    | 37.7 | 18.8  |     | 34.5  | 15.6 | 32    | 13.2 | 28.8  |      | 25   |     | 230   |  |  |  |  |  |  |  |  |  |  |  |  |  |                                                                                                     |
| 240                                                                                                                                                                                                                                                                                                                                                                                                                                                      |      | 20.3  | 34.6 | 16.1  |     | 31.3  | 13   | 28.7  |      | 25.6  |      | 21.8 |     | 240   |  |  |  |  |  |  |  |  |  |  |  |  |  |                                                                                                     |
| 250                                                                                                                                                                                                                                                                                                                                                                                                                                                      |      | 17.9  |      | 13.6  |     | 28.4  |      | 25.7  |      | 22.6  |      | 18.8 |     | 250   |  |  |  |  |  |  |  |  |  |  |  |  |  |                                                                                                     |
| 260                                                                                                                                                                                                                                                                                                                                                                                                                                                      |      | 15.8  |      | 11.4  |     | 25.9  |      | 23    |      | 19.8  |      | 16   |     | 260   |  |  |  |  |  |  |  |  |  |  |  |  |  |                                                                                                     |
| 270                                                                                                                                                                                                                                                                                                                                                                                                                                                      |      |       |      |       |     |       |      | 20.5  |      | 17.3  |      | 13.5 |     | 270   |  |  |  |  |  |  |  |  |  |  |  |  |  |                                                                                                     |
| 280                                                                                                                                                                                                                                                                                                                                                                                                                                                      |      |       |      |       |     |       |      | 18.2  |      | 14.9  |      | 11.1 |     | 280   |  |  |  |  |  |  |  |  |  |  |  |  |  |                                                                                                     |
| 290                                                                                                                                                                                                                                                                                                                                                                                                                                                      |      |       |      |       |     |       |      |       |      | 12.7  |      |      |     | 290   |  |  |  |  |  |  |  |  |  |  |  |  |  |                                                                                                     |
| 300                                                                                                                                                                                                                                                                                                                                                                                                                                                      |      |       |      |       |     |       |      |       |      | 10.8  |      |      |     | 300   |  |  |  |  |  |  |  |  |  |  |  |  |  |                                                                                                     |

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SW

S 197 - 217

|     |  |  |     |  |     |  |      |  |     |       |     |       |     |       |      |       |     |      |     |
|-----|--|-----------------------------------------------------------------------------------|-----|-----------------------------------------------------------------------------------|-----|-----------------------------------------------------------------------------------|------|-----------------------------------------------------------------------------------|-----|-------|-----|-------|-----|-------|------|-------|-----|------|-----|
|     |  | S 197                                                                             |     | W 79                                                                              |     | W 98                                                                              |      | W 118                                                                             |     | W 138 |     | W 157 |     | W 177 |      | W 197 |     |      |     |
| ft  |  | 87°                                                                               | 77° | 67°                                                                               | 87° | 77°                                                                               | 67°  | 87°                                                                               | 77° | 67°   | 87° | 77°   | 67° | 87°   | 77°  | 67°   | 87° | 77°  | ft  |
| 45  |  | 383                                                                               |     |                                                                                   |     |                                                                                   |      |                                                                                   |     |       |     |       |     |       |      |       |     |      | 45  |
| 50  |  | 354                                                                               |     |                                                                                   |     |                                                                                   |      |                                                                                   |     |       |     |       |     |       |      |       |     |      | 50  |
| 55  |  | 323                                                                               |     |                                                                                   | 311 |                                                                                   |      |                                                                                   |     |       |     |       |     |       |      |       |     |      | 55  |
| 60  |  | 296                                                                               |     |                                                                                   | 285 |                                                                                   |      | 276                                                                               |     |       |     |       |     |       |      |       |     |      | 60  |
| 65  |  | 272                                                                               |     |                                                                                   | 263 |                                                                                   |      | 255                                                                               |     |       | 246 |       |     | 237   |      |       |     |      | 65  |
| 70  |  | 253                                                                               |     |                                                                                   | 244 |                                                                                   |      | 237                                                                               |     |       | 231 |       |     | 222   |      |       |     |      | 70  |
| 75  |  | 236                                                                               |     |                                                                                   | 227 |                                                                                   |      | 220                                                                               |     |       | 215 |       |     | 207   |      |       | 201 |      | 75  |
| 80  |  | 220                                                                               |     |                                                                                   | 212 |                                                                                   |      | 206                                                                               |     |       | 201 |       |     | 193   |      |       | 187 |      | 80  |
| 85  |  | 206                                                                               |     |                                                                                   | 199 |                                                                                   |      | 193                                                                               |     |       | 189 |       |     | 181   |      |       | 176 |      | 85  |
| 90  |  | 194                                                                               |     |                                                                                   | 187 |                                                                                   |      | 181                                                                               |     |       | 177 |       |     | 170   |      |       | 165 |      | 90  |
| 95  |  |                                                                                   |     |                                                                                   | 176 |                                                                                   |      | 171                                                                               |     |       | 167 |       |     | 160   |      |       | 155 |      | 95  |
| 100 |  |                                                                                   |     |                                                                                   | 167 |                                                                                   |      | 161                                                                               |     |       | 158 |       |     | 151   |      |       | 146 |      | 100 |
| 105 |  |                                                                                   | 132 |                                                                                   | 158 | 119                                                                               |      | 153                                                                               |     |       | 149 |       |     | 143   |      |       | 138 |      | 105 |
| 110 |  |                                                                                   | 124 |                                                                                   | 150 | 112                                                                               |      | 145                                                                               | 105 |       | 142 |       |     | 135   |      |       | 131 |      | 110 |
| 115 |  |                                                                                   | 118 |                                                                                   |     | 106                                                                               |      | 138                                                                               | 101 |       | 135 |       |     | 128   |      |       | 124 |      | 115 |
| 120 |  |                                                                                   | 105 |                                                                                   |     | 100                                                                               |      | 131                                                                               | 96  |       | 128 | 93    |     | 122   |      |       | 118 |      | 120 |
| 125 |  |                                                                                   | 100 |                                                                                   |     | 95                                                                                |      | 125                                                                               | 91  |       | 122 | 88    |     | 116   |      |       | 112 |      | 125 |
| 130 |  |                                                                                   | 95  |                                                                                   |     | 90                                                                                |      | 119                                                                               | 86  |       | 116 | 84    |     | 110   | 76   |       | 107 |      | 130 |
| 135 |  |                                                                                   |     |                                                                                   |     | 86                                                                                |      |                                                                                   | 82  |       | 111 | 80    |     | 105   | 73   |       | 102 |      | 135 |
| 140 |  |                                                                                   |     | 57                                                                                |     | 82                                                                                |      |                                                                                   | 78  |       | 107 | 76    |     | 101   | 70   |       | 97  | 63   | 140 |
| 150 |  |                                                                                   |     | 54                                                                                |     |                                                                                   |      | 71                                                                                |     |       | 68  |       |     | 92    | 63   |       | 89  | 59   | 150 |
| 160 |  |                                                                                   |     |                                                                                   |     |                                                                                   | 43.6 | 64                                                                                |     |       | 62  |       |     | 84    | 56   |       | 81  | 53   | 160 |
| 170 |  |                                                                                   |     |                                                                                   |     |                                                                                   | 38.9 |                                                                                   | 59  | 34.9  | 56  | 32.9  |     | 78    | 51   |       | 74  | 47.9 | 170 |
| 180 |  |                                                                                   |     |                                                                                   |     |                                                                                   | 34.6 |                                                                                   |     | 31.2  | 52  | 29.3  |     |       | 46.1 |       | 69  | 43.2 | 180 |
| 190 |  |                                                                                   |     |                                                                                   |     |                                                                                   |      |                                                                                   |     | 27.6  |     | 25.8  |     |       | 41.8 | 20.2  |     | 38.9 | 190 |
| 200 |  |                                                                                   |     |                                                                                   |     |                                                                                   |      |                                                                                   |     |       |     | 22.6  |     |       | 37.9 | 17.1  |     | 35   | 200 |
| 210 |  |                                                                                   |     |                                                                                   |     |                                                                                   |      |                                                                                   |     |       |     |       |     |       |      | 14.3  |     | 31.5 | 210 |
| 220 |  |                                                                                   |     |                                                                                   |     |                                                                                   |      |                                                                                   |     |       |     |       |     |       |      | 11.8  |     | 28.5 | 220 |
| 230 |  |                                                                                   |     |                                                                                   |     |                                                                                   |      |                                                                                   |     |       |     |       |     |       |      |       |     |      | 230 |
| 240 |  |                                                                                   |     |                                                                                   |     |                                                                                   |      |                                                                                   |     |       |     |       |     |       |      |       |     |      | 240 |

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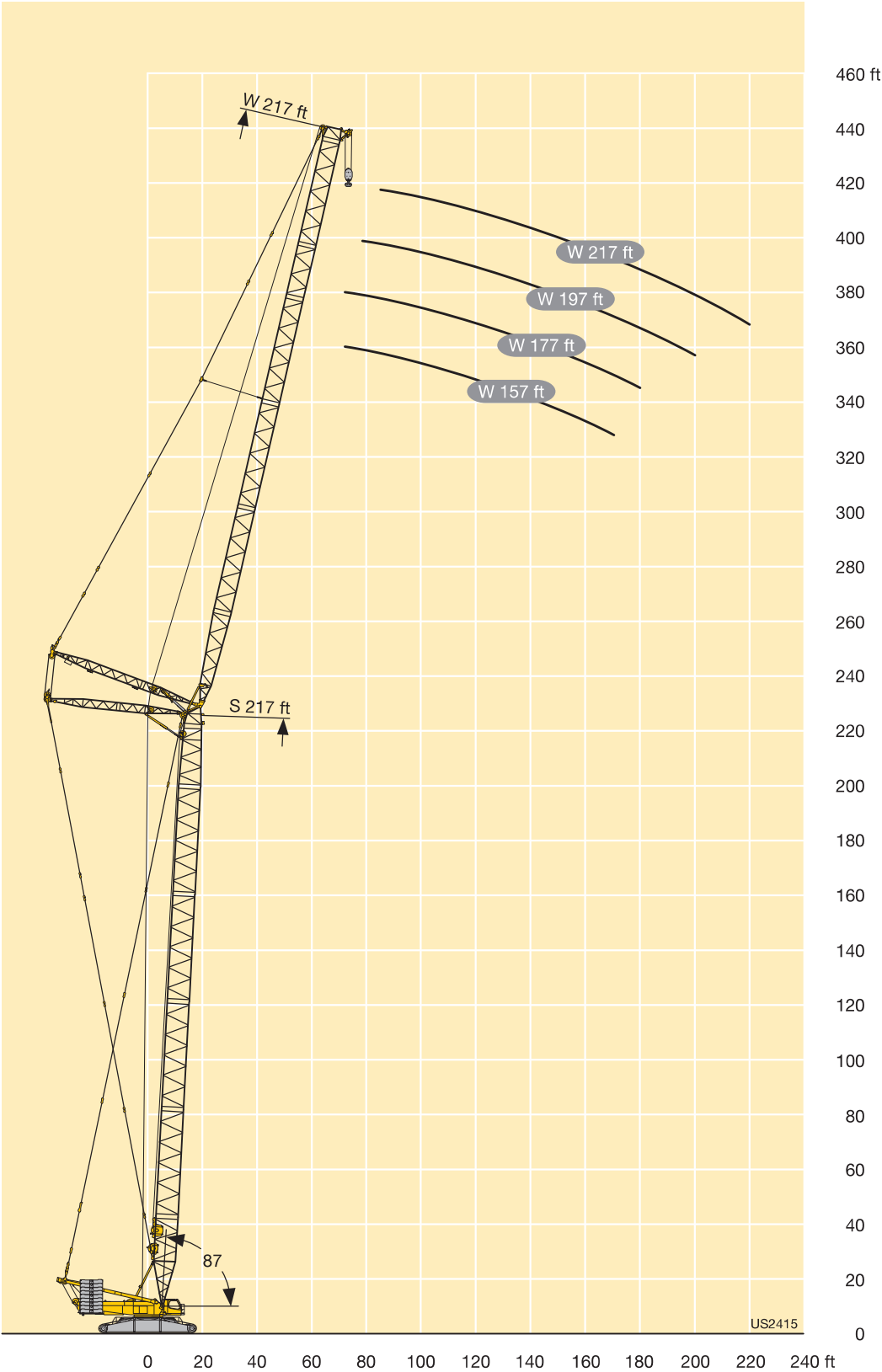
|                                                                                        |      |  |      |  |      |  |      |  |      |       |     |       |      |       |      |       |      |       |      |                                                                                          |  |  |  |
|----------------------------------------------------------------------------------------|------|-------------------------------------------------------------------------------------|------|-------------------------------------------------------------------------------------|------|-------------------------------------------------------------------------------------|------|-------------------------------------------------------------------------------------|------|-------|-----|-------|------|-------|------|-------|------|-------|------|------------------------------------------------------------------------------------------|--|--|--|
|                                                                                        |      | S 197                                                                               |      |                                                                                     |      |                                                                                     |      |                                                                                     |      |       |     | S 217 |      |       |      |       |      |       |      |                                                                                          |  |  |  |
|                                                                                        |      | W 217                                                                               |      | W 236                                                                               |      | W 256                                                                               |      | W 276                                                                               |      | W 295 |     | W 157 |      | W 177 |      | W 197 |      | W 217 |      |                                                                                          |  |  |  |
|                                                                                        |      | 87°                                                                                 | 77°  | 87°                                                                                 | 77°  | 87°                                                                                 | 77°  | 87°                                                                                 | 77°  | 87°   | 77° | 87°   | 77°  | 87°   | 77°  | 87°   | 77°  | 87°   | 77°  |                                                                                          |  |  |  |
|  ft |      |                                                                                     |      |                                                                                     |      |                                                                                     |      |                                                                                     |      |       |     |       |      |       |      |       |      |       |      |  ft |  |  |  |
| 75                                                                                     |      |                                                                                     |      |                                                                                     |      |                                                                                     |      |                                                                                     |      |       |     | 199   |      | 195   |      |       |      |       |      | 75                                                                                       |  |  |  |
| 80                                                                                     |      |                                                                                     |      |                                                                                     |      |                                                                                     |      |                                                                                     |      |       |     | 186   |      | 182   |      | 174   |      |       |      | 80                                                                                       |  |  |  |
| 85                                                                                     | 163  |                                                                                     |      | 156                                                                                 |      |                                                                                     |      |                                                                                     |      |       |     | 174   |      | 171   |      | 163   |      | 156   |      | 85                                                                                       |  |  |  |
| 90                                                                                     | 153  |                                                                                     |      | 147                                                                                 |      |                                                                                     |      |                                                                                     |      |       |     | 164   |      | 161   |      | 153   |      | 147   |      | 90                                                                                       |  |  |  |
| 95                                                                                     | 144  |                                                                                     |      | 138                                                                                 |      | 136                                                                                 |      |                                                                                     |      |       |     | 154   |      | 151   |      | 144   |      | 139   |      | 95                                                                                       |  |  |  |
| 100                                                                                    | 136  |                                                                                     |      | 130                                                                                 |      | 128                                                                                 |      | 122                                                                                 |      | 112   |     | 145   |      | 143   |      | 136   |      | 131   |      | 100                                                                                      |  |  |  |
| 105                                                                                    | 128  |                                                                                     |      | 123                                                                                 |      | 120                                                                                 |      | 115                                                                                 |      | 110   |     | 137   |      | 135   |      | 128   |      | 123   |      | 105                                                                                      |  |  |  |
| 110                                                                                    | 121  |                                                                                     |      | 116                                                                                 |      | 114                                                                                 |      | 108                                                                                 |      | 104   |     | 130   |      | 128   |      | 121   |      | 116   |      | 110                                                                                      |  |  |  |
| 115                                                                                    | 115  |                                                                                     |      | 110                                                                                 |      | 108                                                                                 |      | 102                                                                                 |      | 98    |     | 123   |      | 121   |      | 115   |      | 110   |      | 115                                                                                      |  |  |  |
| 120                                                                                    | 109  |                                                                                     |      | 104                                                                                 |      | 102                                                                                 |      | 96                                                                                  |      | 92    |     | 117   |      | 115   |      | 109   |      | 104   |      | 120                                                                                      |  |  |  |
| 125                                                                                    | 103  |                                                                                     |      | 98                                                                                  |      | 96                                                                                  |      | 91                                                                                  |      | 87    |     | 111   |      | 110   |      | 103   |      | 99    |      | 125                                                                                      |  |  |  |
| 130                                                                                    | 98   |                                                                                     |      | 93                                                                                  |      | 91                                                                                  |      | 86                                                                                  |      | 82    |     | 106   | 68   | 104   |      | 98    |      | 94    |      | 130                                                                                      |  |  |  |
| 135                                                                                    | 93   |                                                                                     |      | 89                                                                                  |      | 87                                                                                  |      | 82                                                                                  |      | 78    |     | 101   | 66   | 100   |      | 94    |      | 89    |      | 135                                                                                      |  |  |  |
| 140                                                                                    | 89   |                                                                                     |      | 84                                                                                  |      | 83                                                                                  |      | 78                                                                                  |      | 74    |     | 97    | 62   | 95    | 58   | 89    |      | 85    |      | 140                                                                                      |  |  |  |
| 150                                                                                    | 81   |                                                                                     |      | 76                                                                                  |      | 75                                                                                  |      | 70                                                                                  |      | 66    |     | 88    | 55   | 87    | 54   | 81    |      | 77    |      | 150                                                                                      |  |  |  |
| 160                                                                                    | 73   | 45.2                                                                                |      | 69                                                                                  | 40.5 | 67                                                                                  |      | 63                                                                                  |      | 59    |     | 81    | 49.6 | 79    | 48.5 | 74    | 42.6 | 70    | 38.6 | 160                                                                                      |  |  |  |
| 170                                                                                    | 67   | 40.1                                                                                | 62   | 35.4                                                                                | 61   | 33.8                                                                                | 57   | 53                                                                                  |      |       |     | 74    | 44.5 | 73    | 43.4 | 68    | 37.7 | 64    | 33.8 | 170                                                                                      |  |  |  |
| 180                                                                                    | 61   | 35.6                                                                                | 57   | 31                                                                                  | 56   | 29.8                                                                                | 51   | 47.6                                                                                |      |       |     |       | 40   | 67    | 38.9 | 62    | 33.4 | 58    | 29.6 | 180                                                                                      |  |  |  |
| 190                                                                                    | 56   | 31.5                                                                                | 52   | 27                                                                                  | 50   | 25.8                                                                                | 46   | 21.2                                                                                | 42.7 | 17.7  |     |       | 36   |       | 34.9 | 57    | 29.5 | 53    | 25.8 | 190                                                                                      |  |  |  |
| 200                                                                                    | 51   | 27.8                                                                                | 46.9 | 23.4                                                                                | 45.8 | 22.2                                                                                | 41.4 | 17.6                                                                                | 38.1 | 14.2  |     |       | 32.3 |       | 31.2 | 52    | 26   | 48.6  | 22.3 | 200                                                                                      |  |  |  |
| 210                                                                                    | 47   | 24.4                                                                                | 42.7 | 20                                                                                  | 41.5 | 18.9                                                                                | 37.2 | 14.4                                                                                | 33.9 |       |     |       |      |       | 27.8 |       | 22.7 | 44.5  | 19.1 | 210                                                                                      |  |  |  |
| 220                                                                                    | 43.3 | 21.4                                                                                | 38.9 | 17                                                                                  | 37.7 | 15.9                                                                                | 33.5 | 11.5                                                                                | 30.2 |       |     |       |      |       | 24.9 |       | 19.9 | 40.9  | 16.3 | 220                                                                                      |  |  |  |
| 230                                                                                    |      | 18.6                                                                                | 35.5 | 14.3                                                                                | 34.2 | 13.2                                                                                | 30   |                                                                                     | 26.8 |       |     |       |      |       |      |       | 17.3 |       | 13.7 | 230                                                                                      |  |  |  |
| 240                                                                                    |      | 16                                                                                  | 32.5 | 11.8                                                                                | 31   |                                                                                     | 26.8 |                                                                                     | 23.6 |       |     |       |      |       |      |       | 14.9 |       | 11.3 | 240                                                                                      |  |  |  |
| 250                                                                                    |      | 13.7                                                                                |      |                                                                                     | 28.1 |                                                                                     | 23.8 |                                                                                     | 20.7 |       |     |       |      |       |      |       |      |       |      | 250                                                                                      |  |  |  |
| 260                                                                                    |      | 11.7                                                                                |      |                                                                                     | 25.4 |                                                                                     | 21.1 |                                                                                     | 18   |       |     |       |      |       |      |       |      |       |      | 260                                                                                      |  |  |  |
| 270                                                                                    |      |                                                                                     |      |                                                                                     |      |                                                                                     | 18.7 |                                                                                     | 15.5 |       |     |       |      |       |      |       |      |       |      | 270                                                                                      |  |  |  |
| 280                                                                                    |      |                                                                                     |      |                                                                                     |      |                                                                                     | 16.5 |                                                                                     | 13.2 |       |     |       |      |       |      |       |      |       |      | 280                                                                                      |  |  |  |
| 290                                                                                    |      |                                                                                     |      |                                                                                     |      |                                                                                     |      |                                                                                     | 11.1 |       |     |       |      |       |      |       |      |       |      | 290                                                                                      |  |  |  |
| 300                                                                                    |      |                                                                                     |      |                                                                                     |      |                                                                                     |      |                                                                                     | 9.2  |       |     |       |      |       |      |       |      |       |      | 300                                                                                      |  |  |  |

TAB 181047 / 181054 / 181066

TAB 181047 / 181054 / 181061

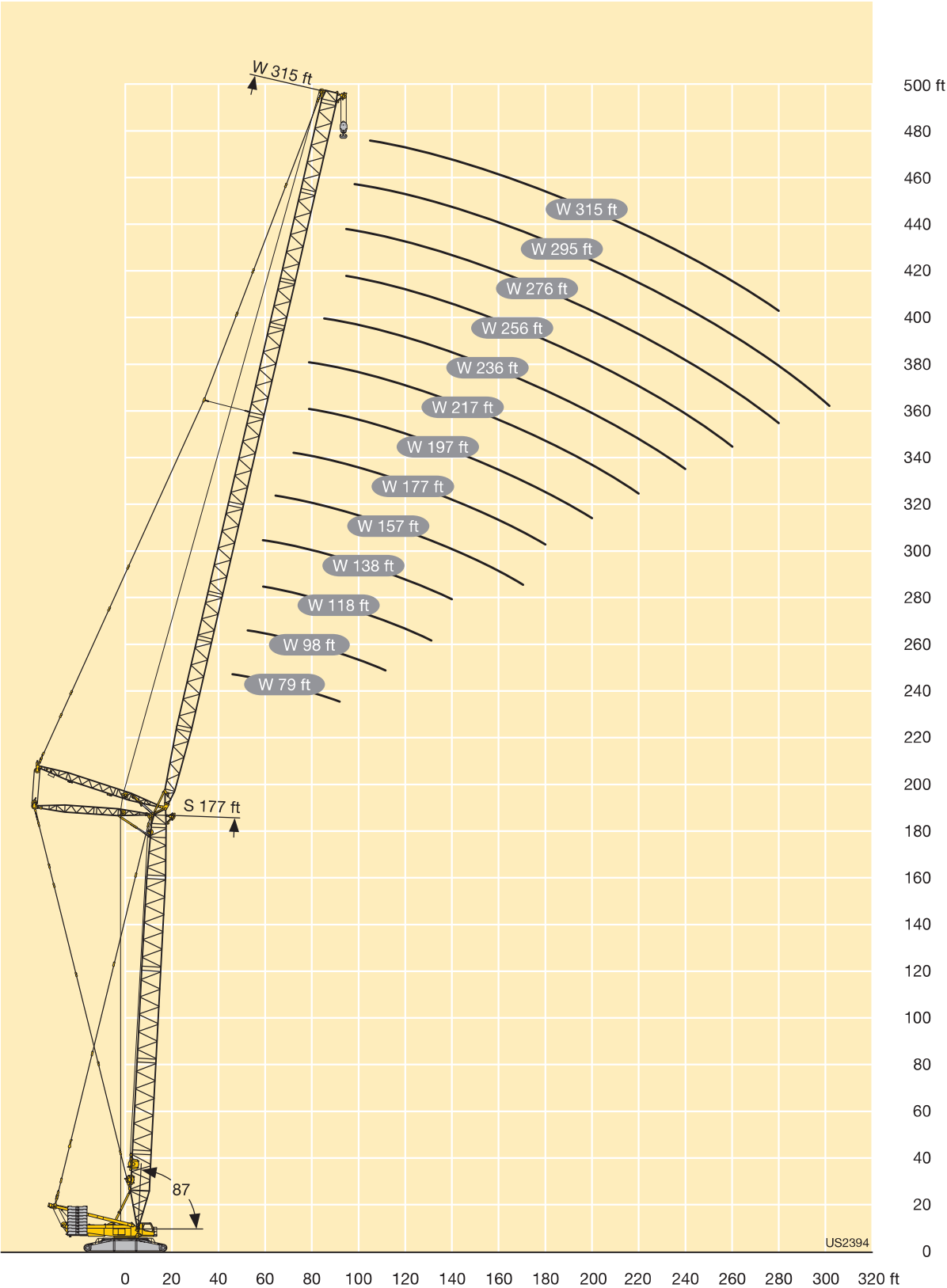
**Lifting heights  
Hauteurs de levage**

**SW**



**Lifting heights  
Hauteurs de levage**

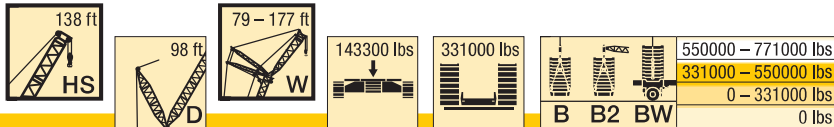
**SW**



**G**

HSDWB/B2/BW

HS 138



H

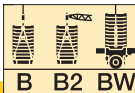
| ft  |                    | HS 138                   |                          |                           |     |                          |                           |                          |     |                          |                          |                           |                           |                                 |                           |                           |     |                           |                           |                           |     |                          |                           |                           |                           |  |
|-----|--------------------|--------------------------|--------------------------|---------------------------|-----|--------------------------|---------------------------|--------------------------|-----|--------------------------|--------------------------|---------------------------|---------------------------|---------------------------------|---------------------------|---------------------------|-----|---------------------------|---------------------------|---------------------------|-----|--------------------------|---------------------------|---------------------------|---------------------------|--|
|     |                    | W 79                     |                          |                           |     | W 98                     |                           |                          |     | W 118                    |                          |                           |                           | W 138                           |                           |                           |     | W 157                     |                           |                           |     | W 177                    |                           |                           |                           |  |
|     |                    | 87°                      | 85°                      | 77°                       | 67° | 87°                      | 85°                       | 77°                      | 67° | 87°                      | 85°                      | 77°                       | 67°                       | 87°                             | 85°                       | 77°                       | 67° | 87°                       | 85°                       | 77°                       | 67° | 87°                      | 85°                       | 77°                       | 67°                       |  |
| 45  | -<br>B<br>B2<br>BW | 423<br>705<br>705<br>705 |                          |                           |     | 405<br>705<br>705<br>705 |                           |                          |     |                          |                          |                           |                           |                                 |                           |                           |     |                           |                           |                           |     |                          |                           |                           |                           |  |
| 50  | -<br>B<br>B2<br>BW | 389<br>705<br>705<br>705 |                          |                           |     | 373<br>705<br>705<br>705 |                           |                          |     |                          |                          |                           |                           |                                 |                           |                           |     |                           |                           |                           |     |                          |                           |                           |                           |  |
| 55  | -<br>B<br>B2<br>BW | 352<br>705<br>705<br>705 | 341<br>705<br>705<br>705 |                           |     | 337<br>694<br>699<br>698 |                           |                          |     | 326<br>611<br>618<br>618 |                          |                           |                           |                                 |                           |                           |     |                           |                           |                           |     |                          |                           |                           |                           |  |
| 60  | -<br>B<br>B2<br>BW | 320<br>700<br>703<br>702 | 311<br>705<br>705<br>705 |                           |     | 307<br>671<br>684<br>682 | 298<br>704<br>705<br>705  |                          |     | 297<br>594<br>602<br>603 | 287<br>624<br>632<br>633 |                           |                           | 290<br>523<br>527<br>527        |                           |                           |     | 280<br>452<br>455<br>456  |                           |                           |     |                          |                           |                           |                           |  |
| 65  | -<br>B<br>B2<br>BW | 294<br>672<br>692<br>687 | 285<br>705<br>705<br>705 |                           |     | 282<br>645<br>663<br>657 | 273<br>695<br>705<br>705  |                          |     | 273<br>580<br>587<br>588 | 264<br>610<br>620<br>621 |                           |                           | 266<br>511<br>532<br>516<br>517 | 255<br>532<br>533<br>533  |                           |     | 258<br>445<br>449<br>449  |                           |                           |     | 249<br>386<br>387<br>387 |                           |                           |                           |  |
| 70  | -<br>B<br>B2<br>BW | 272<br>628<br>638<br>635 | 263<br>674<br>684<br>684 |                           |     | 261<br>615<br>626<br>621 | 252<br>660<br>679<br>675  |                          |     | 252<br>563<br>571<br>571 | 244<br>592<br>607<br>605 |                           |                           | 247<br>500<br>506<br>506        | 238<br>524<br>529<br>529  |                           |     | 238<br>437<br>441<br>442  |                           |                           |     | 233<br>381<br>383<br>383 |                           |                           |                           |  |
| 75  | -<br>B<br>B2<br>BW | 253<br>581<br>583<br>582 | 244<br>628<br>638<br>638 |                           |     | 242<br>579<br>583<br>580 | 234<br>620<br>638<br>633  |                          |     | 234<br>545<br>552<br>553 | 226<br>569<br>586<br>582 |                           |                           | 229<br>488<br>493<br>495        | 221<br>514<br>521<br>521  |                           |     | 221<br>430<br>433<br>434  | 214<br>447<br>451<br>452  |                           |     | 216<br>375<br>378<br>378 |                           |                           |                           |  |
| 80  | -<br>B<br>B2<br>BW | 235<br>534<br>533<br>533 | 228<br>578<br>580<br>579 | 199<br>636<br>692<br>697  |     | 225<br>540<br>537<br>538 | 218<br>577<br>587<br>586  |                          |     | 217<br>521<br>526<br>527 | 210<br>542<br>558<br>554 |                           |                           | 213<br>476<br>477<br>484        | 206<br>502<br>510<br>510  |                           |     | 206<br>422<br>445<br>426  | 199<br>440<br>445<br>445  |                           |     | 202<br>369<br>371<br>371 | 194<br>383<br>384<br>384  |                           |                           |  |
| 85  | -<br>B<br>B2<br>BW | 220<br>488<br>486<br>488 | 213<br>531<br>532<br>532 | 186<br>600<br>652<br>664  |     | 210<br>496<br>493<br>494 | 203<br>535<br>533<br>537  | 176<br>589<br>639<br>657 |     | 203<br>489<br>489<br>490 | 196<br>512<br>526<br>522 |                           |                           | 199<br>464<br>460<br>473        | 192<br>489<br>496<br>497  |                           |     | 192<br>412<br>417<br>417  | 186<br>433<br>438<br>439  |                           |     | 188<br>361<br>363<br>363 | 181<br>375<br>377<br>378  |                           |                           |  |
| 90  | -<br>B<br>B2<br>BW | 205<br>433<br>432<br>431 | 200<br>489<br>489<br>490 | 174<br>567<br>617<br>624  |     | 197<br>460<br>458<br>459 | 191<br>492<br>492<br>493  | 165<br>560<br>608<br>618 |     | 191<br>457<br>455<br>456 | 184<br>482<br>490<br>489 |                           |                           | 187<br>443<br>438<br>449        | 180<br>472<br>478<br>478  |                           |     | 181<br>403<br>408<br>408  | 174<br>425<br>430<br>431  |                           |     | 177<br>351<br>353<br>354 | 170<br>367<br>369<br>370  |                           |                           |  |
| 95  | -<br>B<br>B2<br>BW |                          |                          | 163<br>537<br>585<br>586  |     | 186<br>429<br>427<br>429 | 179<br>458<br>457<br>457  | 155<br>531<br>577<br>581 |     | 179<br>425<br>423<br>425 | 173<br>453<br>455<br>456 |                           |                           | 176<br>420<br>416<br>423        | 170<br>450<br>454<br>455  |                           |     | 170<br>392<br>396<br>397  | 163<br>415<br>420<br>420  |                           |     | 166<br>341<br>344<br>345 | 160<br>358<br>361<br>362  |                           |                           |  |
| 100 | -<br>B<br>B2<br>BW |                          |                          | 154<br>510<br>554<br>552  |     | 175<br>397<br>395<br>397 | 169<br>428<br>426<br>427  | 146<br>504<br>547<br>548 |     | 169<br>395<br>394<br>395 | 163<br>424<br>423<br>424 | 140<br>497<br>541<br>546  |                           | 166<br>396<br>393<br>397        | 160<br>424<br>426<br>427  |                           |     | 160<br>378<br>382<br>382  | 154<br>404<br>407<br>408  |                           |     | 156<br>332<br>335<br>335 | 151<br>349<br>352<br>353  |                           |                           |  |
| 105 | -<br>B<br>B2<br>BW |                          |                          | 145<br>484<br>523<br>518  |     | 164<br>360<br>359<br>359 | 160<br>399<br>398<br>399  | 137<br>479<br>518<br>516 |     | 159<br>371<br>371<br>371 | 153<br>395<br>393<br>394 | 131<br>473<br>515<br>515  |                           | 156<br>373<br>371<br>374        | 151<br>396<br>396<br>396  | 129<br>470<br>510<br>518  |     | 151<br>361<br>363<br>364  | 145<br>392<br>394<br>395  |                           |     | 148<br>323<br>325<br>326 | 142<br>340<br>343<br>344  |                           |                           |  |
| 110 | -<br>B<br>B2<br>BW |                          |                          | 136<br>462<br>484<br>481  |     | 154<br>319<br>318<br>319 | 150<br>362<br>362<br>362  | 130<br>457<br>485<br>485 |     | 151<br>351<br>350<br>350 | 145<br>371<br>370<br>371 | 124<br>452<br>483<br>481  |                           | 148<br>350<br>349<br>351        | 143<br>372<br>371<br>372  | 121<br>448<br>485<br>488  |     | 143<br>345<br>345<br>345  | 137<br>369<br>370<br>371  | 114<br>428<br>434<br>435  |     |                          | 140<br>313<br>316<br>316  | 134<br>331<br>335<br>335  |                           |  |
| 115 | -<br>B<br>B2<br>BW |                          |                          | 125<br>400                |     | 141<br>313<br>311<br>312 | 123<br>436<br>449<br>451  |                          |     | 143<br>329<br>329<br>329 | 138<br>350<br>349<br>350 | 117<br>431<br>451<br>448  |                           | 141<br>329<br>329<br>331        | 135<br>349<br>349<br>349  | 115<br>429<br>454<br>455  |     | 135<br>327<br>328<br>327  | 130<br>347<br>347<br>347  | 109<br>419<br>429<br>430  |     |                          | 132<br>304<br>307<br>307  | 127<br>321<br>323<br>324  |                           |  |
| 120 | -<br>B<br>B2<br>BW |                          |                          | 101<br>404<br>445<br>443  |     | 116<br>416<br>418<br>422 |                           |                          |     | 135<br>307<br>306<br>307 | 131<br>329<br>329<br>330 | 111<br>411<br>419<br>417  |                           | 134<br>312<br>312<br>314        | 128<br>329<br>328<br>329  | 109<br>410<br>422<br>422  |     | 128<br>309<br>310<br>309  | 123<br>326<br>325<br>326  | 103<br>404<br>416<br>416  |     |                          | 126<br>294<br>298<br>297  | 120<br>311<br>310<br>312  | 101<br>346<br>351<br>352  |  |
| 125 | -<br>B<br>B2<br>BW |                          |                          | 94.6<br>385<br>425<br>424 |     | 109<br>395<br>395<br>396 | 88.7<br>379<br>417<br>398 |                          |     | 128<br>283<br>282<br>283 | 124<br>308<br>307<br>308 | 105<br>389<br>389<br>390  |                           | 127<br>297<br>297<br>298        | 122<br>311<br>310<br>310  | 103<br>391<br>392<br>392  |     | 122<br>291<br>293<br>291  | 117<br>309<br>308<br>308  | 97.7<br>388<br>391<br>391 |     |                          | 119<br>284<br>287<br>286  | 114<br>300<br>296<br>300  | 95.3<br>341<br>346<br>346 |  |
| 130 | -<br>B<br>B2<br>BW |                          |                          | 89.2<br>368<br>406<br>406 |     | 102<br>369<br>368<br>368 | 84<br>364<br>401<br>383   |                          |     | 121<br>252<br>249<br>252 | 116<br>286<br>285<br>285 | 99.7<br>365<br>364<br>365 |                           | 121<br>282<br>282<br>283        | 116<br>297<br>296<br>296  | 97.7<br>369<br>368<br>368 |     | 116<br>276<br>278<br>276  | 111<br>292<br>290<br>291  | 92.6<br>366<br>367<br>367 |     |                          | 113<br>273<br>274<br>273  | 109<br>289<br>281<br>287  | 90.3<br>334<br>339<br>339 |  |
| 135 | -<br>B<br>B2<br>BW |                          |                          |                           |     |                          | 79.2<br>351<br>385<br>368 |                          |     |                          |                          | 94.7<br>345<br>345<br>345 |                           | 115<br>266<br>266<br>266        | 110<br>282<br>282<br>281  | 93.1<br>348<br>347<br>347 |     | 110<br>264<br>265<br>264  | 106<br>278<br>276<br>277  | 88<br>346<br>346<br>346   |     |                          | 108<br>262<br>261<br>260  | 104<br>276<br>269<br>274  | 85.8<br>324<br>328<br>328 |  |
| 140 | -<br>B<br>B2<br>BW |                          |                          |                           |     |                          | 74.4<br>338<br>369<br>354 |                          |     |                          |                          | 89.7<br>327<br>327<br>328 | 67.3<br>353<br>337        | 108<br>250<br>249<br>249        | 104<br>267<br>267<br>266  | 88.6<br>327<br>326<br>326 |     | 105<br>253<br>253<br>252  | 101<br>265<br>264<br>264  | 83.6<br>326<br>326<br>325 |     |                          | 103<br>251<br>248<br>248  | 98.8<br>263<br>257<br>260 | 81.4<br>313<br>316<br>315 |  |
| 150 | -<br>B<br>B2<br>BW |                          |                          |                           |     |                          | 66<br>312<br>340<br>328   |                          |     |                          |                          | 79.8<br>280<br>338<br>280 | 63.3<br>308<br>338<br>324 |                                 | 93.6<br>225<br>225<br>225 | 79.5<br>291<br>291<br>292 |     | 94.7<br>227<br>239<br>227 | 91.2<br>240<br>239<br>239 | 75.4<br>290<br>290<br>290 |     |                          | 93.9<br>230<br>227<br>227 | 89.9<br>239<br>235<br>237 | 73.6<br>288<br>288<br>288 |  |

TAB 181391 / 181393 / 181397



HSDWB/B2/BW

HS 138

|                                                                                   |                    |                                                                                   |     |                                                                                   |     |                                                                                   |     |                                                                                   |     |                                                                                   |     |                                                                       |      |       |     |      |      |       |      |      |      |       |      |      |      |      |
|-----------------------------------------------------------------------------------|--------------------|-----------------------------------------------------------------------------------|-----|-----------------------------------------------------------------------------------|-----|-----------------------------------------------------------------------------------|-----|-----------------------------------------------------------------------------------|-----|-----------------------------------------------------------------------------------|-----|-----------------------------------------------------------------------|------|-------|-----|------|------|-------|------|------|------|-------|------|------|------|------|
|  |                    |  |     |  |     |  |     |  |     |  |     | 550000 – 771000 lbs<br>331000 – 550000 lbs<br>0 – 331000 lbs<br>0 lbs |      |       |     |      |      |       |      |      |      |       |      |      |      |      |
| ft                                                                                |                    | HS 138                                                                            |     |                                                                                   |     |                                                                                   |     |                                                                                   |     |                                                                                   |     |                                                                       |      |       |     |      |      |       |      |      |      |       |      |      |      |      |
|                                                                                   |                    | W 79                                                                              |     |                                                                                   |     | W 98                                                                              |     |                                                                                   |     | W 118                                                                             |     |                                                                       |      | W 138 |     |      |      | W 157 |      |      |      | W 177 |      |      |      |      |
|                                                                                   |                    | 87°                                                                               | 85° | 77°                                                                               | 67° | 87°                                                                               | 85° | 77°                                                                               | 67° | 87°                                                                               | 85° | 77°                                                                   | 67°  | 87°   | 85° | 77°  | 67°  | 87°   | 85°  | 77°  | 67°  | 87°   | 85°  | 77°  | 67°  |      |
| 160                                                                               | –<br>B<br>B2<br>BW |                                                                                   |     |                                                                                   |     |                                                                                   |     |                                                                                   |     |                                                                                   |     |                                                                       | 56.7 |       |     | 70.7 | 55.7 | 85.4  | 82.2 | 67.9 | 50.9 | 85    | 81.6 | 66.6 |      |      |
|                                                                                   |                    |                                                                                   |     |                                                                                   |     |                                                                                   |     |                                                                                   |     |                                                                                   |     |                                                                       | 284  |       |     | 262  | 282  | 196   | 215  | 261  | 278  | 211   | 219  | 261  |      |      |
|                                                                                   |                    |                                                                                   |     |                                                                                   |     |                                                                                   |     |                                                                                   |     |                                                                                   |     |                                                                       | 311  |       |     | 261  | 313  | 196   | 214  | 261  | 308  | 208   | 216  | 258  |      |      |
|                                                                                   |                    |                                                                                   |     |                                                                                   |     |                                                                                   |     |                                                                                   |     |                                                                                   |     |                                                                       | 302  |       |     | 263  | 314  | 197   | 214  | 261  | 311  | 208   | 216  | 260  |      |      |
| 170                                                                               | –<br>B<br>B2<br>BW |                                                                                   |     |                                                                                   |     |                                                                                   |     |                                                                                   |     |                                                                                   |     |                                                                       | 51   |       |     | 63.6 | 50.2 | 76.3  | 73.1 | 61.1 | 45.5 | 75.9  | 72.7 | 60.4 | 43.3 |      |
|                                                                                   |                    |                                                                                   |     |                                                                                   |     |                                                                                   |     |                                                                                   |     |                                                                                   |     |                                                                       | 266  |       |     | 240  | 264  | 157   | 186  | 237  | 260  | 190   | 201  | 237  | 257  |      |
|                                                                                   |                    |                                                                                   |     |                                                                                   |     |                                                                                   |     |                                                                                   |     |                                                                                   |     |                                                                       | 288  |       |     | 239  | 290  | 158   | 186  | 238  | 287  | 187   | 198  | 234  | 283  |      |
|                                                                                   |                    |                                                                                   |     |                                                                                   |     |                                                                                   |     |                                                                                   |     |                                                                                   |     |                                                                       | 282  |       |     | 240  | 292  | 158   | 186  | 239  | 288  | 188   | 198  | 235  | 273  |      |
| 180                                                                               | –<br>B<br>B2<br>BW |                                                                                   |     |                                                                                   |     |                                                                                   |     |                                                                                   |     |                                                                                   |     |                                                                       |      |       |     |      | 45.6 |       |      |      | 55.5 | 40.9  | 68.7 | 65.8 | 54.8 | 39   |
|                                                                                   |                    |                                                                                   |     |                                                                                   |     |                                                                                   |     |                                                                                   |     |                                                                                   |     |                                                                       |      |       |     |      | 249  |       |      |      | 217  | 245   | 167  | 181  | 217  | 242  |
|                                                                                   |                    |                                                                                   |     |                                                                                   |     |                                                                                   |     |                                                                                   |     |                                                                                   |     |                                                                       |      |       |     |      | 268  |       |      |      | 217  | 265   | 165  | 178  | 215  | 264  |
|                                                                                   |                    |                                                                                   |     |                                                                                   |     |                                                                                   |     |                                                                                   |     |                                                                                   |     |                                                                       |      |       |     |      | 268  |       |      |      | 218  | 265   | 166  | 179  | 215  | 257  |
| 190                                                                               | –<br>B<br>B2<br>BW |                                                                                   |     |                                                                                   |     |                                                                                   |     |                                                                                   |     |                                                                                   |     |                                                                       |      |       |     |      | 40.5 |       |      |      | 50.5 | 36.7  |      | 60.1 | 49.8 | 34.9 |
|                                                                                   |                    |                                                                                   |     |                                                                                   |     |                                                                                   |     |                                                                                   |     |                                                                                   |     |                                                                       |      |       |     |      | 232  |       |      |      | 185  | 228   |      | 151  | 200  | 225  |
|                                                                                   |                    |                                                                                   |     |                                                                                   |     |                                                                                   |     |                                                                                   |     |                                                                                   |     |                                                                       |      |       |     |      | 248  |       |      |      | 185  | 243   |      | 148  | 199  | 242  |
|                                                                                   |                    |                                                                                   |     |                                                                                   |     |                                                                                   |     |                                                                                   |     |                                                                                   |     |                                                                       |      |       |     |      | 247  |       |      |      | 185  | 242   |      | 149  | 198  | 238  |
| 200                                                                               | –<br>B<br>B2<br>BW |                                                                                   |     |                                                                                   |     |                                                                                   |     |                                                                                   |     |                                                                                   |     |                                                                       |      |       |     |      |      |       |      |      |      | 33    |      |      | 45.4 | 31.1 |
|                                                                                   |                    |                                                                                   |     |                                                                                   |     |                                                                                   |     |                                                                                   |     |                                                                                   |     |                                                                       |      |       |     |      |      |       |      |      |      | 212   |      |      | 184  | 211  |
|                                                                                   |                    |                                                                                   |     |                                                                                   |     |                                                                                   |     |                                                                                   |     |                                                                                   |     |                                                                       |      |       |     |      |      |       |      |      |      | 222   |      |      | 183  | 220  |
|                                                                                   |                    |                                                                                   |     |                                                                                   |     |                                                                                   |     |                                                                                   |     |                                                                                   |     |                                                                       |      |       |     |      |      |       |      |      |      | 221   |      |      | 183  | 219  |
| 210                                                                               | –<br>B<br>B2<br>BW |                                                                                   |     |                                                                                   |     |                                                                                   |     |                                                                                   |     |                                                                                   |     |                                                                       |      |       |     |      |      |       |      |      |      |       |      |      |      | 27.8 |
|                                                                                   |                    |                                                                                   |     |                                                                                   |     |                                                                                   |     |                                                                                   |     |                                                                                   |     |                                                                       |      |       |     |      |      |       |      |      |      |       |      |      |      | 200  |
|                                                                                   |                    |                                                                                   |     |                                                                                   |     |                                                                                   |     |                                                                                   |     |                                                                                   |     |                                                                       |      |       |     |      |      |       |      |      |      |       |      |      |      | 201  |
|                                                                                   |                    |                                                                                   |     |                                                                                   |     |                                                                                   |     |                                                                                   |     |                                                                                   |     |                                                                       |      |       |     |      |      |       |      |      |      |       |      |      |      | 201  |
| 220                                                                               | –<br>B<br>B2<br>BW |                                                                                   |     |                                                                                   |     |                                                                                   |     |                                                                                   |     |                                                                                   |     |                                                                       |      |       |     |      |      |       |      |      |      |       |      |      |      | 24.8 |
|                                                                                   |                    |                                                                                   |     |                                                                                   |     |                                                                                   |     |                                                                                   |     |                                                                                   |     |                                                                       |      |       |     |      |      |       |      |      |      |       |      |      |      | 186  |
|                                                                                   |                    |                                                                                   |     |                                                                                   |     |                                                                                   |     |                                                                                   |     |                                                                                   |     |                                                                       |      |       |     |      |      |       |      |      |      |       |      |      |      | 185  |
|                                                                                   |                    |                                                                                   |     |                                                                                   |     |                                                                                   |     |                                                                                   |     |                                                                                   |     |                                                                       |      |       |     |      |      |       |      |      |      |       |      |      |      | 184  |
| 230                                                                               | –<br>B<br>B2<br>BW |                                                                                   |     |                                                                                   |     |                                                                                   |     |                                                                                   |     |                                                                                   |     |                                                                       |      |       |     |      |      |       |      |      |      |       |      |      |      | 22.3 |
|                                                                                   |                    |                                                                                   |     |                                                                                   |     |                                                                                   |     |                                                                                   |     |                                                                                   |     |                                                                       |      |       |     |      |      |       |      |      |      |       |      |      |      | 173  |
|                                                                                   |                    |                                                                                   |     |                                                                                   |     |                                                                                   |     |                                                                                   |     |                                                                                   |     |                                                                       |      |       |     |      |      |       |      |      |      |       |      |      |      | 172  |
|                                                                                   |                    |                                                                                   |     |                                                                                   |     |                                                                                   |     |                                                                                   |     |                                                                                   |     |                                                                       |      |       |     |      |      |       |      |      |      |       |      |      |      | 172  |

TAB 181391 / 181393 / 181399

TAB 181391 / 181393 / 181397

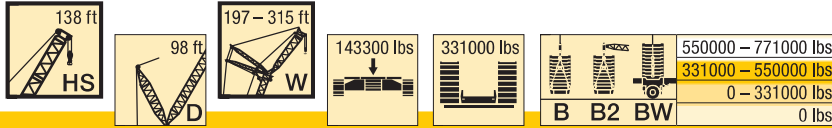
H





HSDWB/B2/BW

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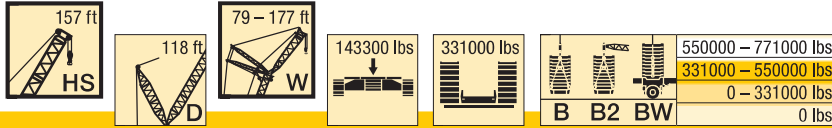
| ft<br> |               | HS 138 |     |      |      |       |      |      |      |       |      |      |      |       |      |      |      |       |      |      |     |       |      |      |     |       |      |      |     |
|-----------------------------------------------------------------------------------------|---------------|--------|-----|------|------|-------|------|------|------|-------|------|------|------|-------|------|------|------|-------|------|------|-----|-------|------|------|-----|-------|------|------|-----|
|                                                                                         |               | W 197  |     |      |      | W 217 |      |      |      | W 236 |      |      |      | W 256 |      |      |      | W 276 |      |      |     | W 295 |      |      |     | W 315 |      |      |     |
|                                                                                         |               | 87°    | 85° | 77°  | 67°  | 87°   | 85°  | 77°  | 67°  | 87°   | 85°  | 77°  | 67°  | 87°   | 85°  | 77°  | 67°  | 87°   | 85°  | 77°  | 67° | 87°   | 85°  | 77°  | 67° | 87°   | 85°  | 77°  | 67° |
| 220                                                                                     | B<br>B2<br>BW |        |     | 33.1 | 19.6 | 45    | 42.7 | 31.2 | 17.4 | 43.6  | 40.4 | 28.4 | 14.6 | 40.5  | 37.4 | 25.3 | 11.4 | 36.2  | 33.1 | 21   |     | 34.8  | 31.7 | 19.6 |     | 31    | 27.9 | 15.6 |     |
|                                                                                         |               |        |     | 155  | 183  | 120   | 131  | 154  | 182  | 127   | 133  | 151  | 178  | 127   | 130  | 149  | 151  | 122   | 125  | 138  | 122 | 111   | 115  | 119  |     | 85    | 88.8 | 92.1 |     |
|                                                                                         |               |        |     | 155  | 183  | 120   | 130  | 155  | 183  | 127   | 133  | 152  | 177  | 127   | 131  | 149  | 142  | 122   | 125  | 139  | 107 | 112   | 116  | 120  |     | 86.2  | 89.1 | 92.7 |     |
| 230                                                                                     | B<br>B2<br>BW |        |     | 30.1 | 17   |       |      |      |      | 38.9  | 36.3 | 25.2 | 11.9 | 36.6  | 33.8 | 22.2 | 8.7  | 32.6  | 29.6 | 17.8 |     | 31.1  | 28.1 | 16.5 |     | 27.4  | 24.4 | 12.5 |     |
|                                                                                         |               |        |     | 132  | 169  |       | 108  | 144  | 169  | 116   | 123  | 141  | 167  | 118   | 122  | 139  | 151  | 114   | 118  | 133  | 124 | 107   | 113  | 119  |     | 82.3  | 86.6 | 90.7 |     |
|                                                                                         |               |        |     | 133  | 169  |       | 107  | 144  | 168  | 115   | 123  | 141  | 166  | 118   | 122  | 139  | 153  | 114   | 118  | 133  | 125 | 108   | 114  | 119  |     | 83.9  | 86.9 | 91.3 |     |
| 240                                                                                     | B<br>B2<br>BW |        |     |      |      |       |      |      |      | 108   | 144  | 168  |      | 118   | 122  | 139  | 151  | 114   | 118  | 133  | 125 | 108   | 114  | 119  |     | 83.8  | 87.1 | 91.3 |     |
|                                                                                         |               |        |     |      |      |       |      |      |      |       |      |      |      |       |      |      |      |       |      |      |     |       |      |      |     |       |      |      |     |
|                                                                                         |               |        |     |      |      |       |      |      |      |       |      |      |      |       |      |      |      |       |      |      |     |       |      |      |     |       |      |      |     |
| 250                                                                                     | B<br>B2<br>BW |        |     |      |      |       |      |      |      |       |      |      |      |       |      |      |      |       |      |      |     |       |      |      |     |       |      |      |     |
|                                                                                         |               |        |     |      |      |       |      |      |      |       |      |      |      |       |      |      |      |       |      |      |     |       |      |      |     |       |      |      |     |
|                                                                                         |               |        |     |      |      |       |      |      |      |       |      |      |      |       |      |      |      |       |      |      |     |       |      |      |     |       |      |      |     |
| 260                                                                                     | B<br>B2<br>BW |        |     |      |      |       |      |      |      |       |      |      |      |       |      |      |      |       |      |      |     |       |      |      |     |       |      |      |     |
|                                                                                         |               |        |     |      |      |       |      |      |      |       |      |      |      |       |      |      |      |       |      |      |     |       |      |      |     |       |      |      |     |
|                                                                                         |               |        |     |      |      |       |      |      |      |       |      |      |      |       |      |      |      |       |      |      |     |       |      |      |     |       |      |      |     |
| 270                                                                                     | B<br>B2<br>BW |        |     |      |      |       |      |      |      |       |      |      |      |       |      |      |      |       |      |      |     |       |      |      |     |       |      |      |     |
|                                                                                         |               |        |     |      |      |       |      |      |      |       |      |      |      |       |      |      |      |       |      |      |     |       |      |      |     |       |      |      |     |
|                                                                                         |               |        |     |      |      |       |      |      |      |       |      |      |      |       |      |      |      |       |      |      |     |       |      |      |     |       |      |      |     |
| 280                                                                                     | B<br>B2<br>BW |        |     |      |      |       |      |      |      |       |      |      |      |       |      |      |      |       |      |      |     |       |      |      |     |       |      |      |     |
|                                                                                         |               |        |     |      |      |       |      |      |      |       |      |      |      |       |      |      |      |       |      |      |     |       |      |      |     |       |      |      |     |
|                                                                                         |               |        |     |      |      |       |      |      |      |       |      |      |      |       |      |      |      |       |      |      |     |       |      |      |     |       |      |      |     |
| 290                                                                                     | B<br>B2<br>BW |        |     |      |      |       |      |      |      |       |      |      |      |       |      |      |      |       |      |      |     |       |      |      |     |       |      |      |     |
|                                                                                         |               |        |     |      |      |       |      |      |      |       |      |      |      |       |      |      |      |       |      |      |     |       |      |      |     |       |      |      |     |
|                                                                                         |               |        |     |      |      |       |      |      |      |       |      |      |      |       |      |      |      |       |      |      |     |       |      |      |     |       |      |      |     |
| 300                                                                                     | B<br>B2<br>BW |        |     |      |      |       |      |      |      |       |      |      |      |       |      |      |      |       |      |      |     |       |      |      |     |       |      |      |     |
|                                                                                         |               |        |     |      |      |       |      |      |      |       |      |      |      |       |      |      |      |       |      |      |     |       |      |      |     |       |      |      |     |
|                                                                                         |               |        |     |      |      |       |      |      |      |       |      |      |      |       |      |      |      |       |      |      |     |       |      |      |     |       |      |      |     |
| 310                                                                                     | B<br>B2<br>BW |        |     |      |      |       |      |      |      |       |      |      |      |       |      |      |      |       |      |      |     |       |      |      |     |       |      |      |     |
|                                                                                         |               |        |     |      |      |       |      |      |      |       |      |      |      |       |      |      |      |       |      |      |     |       |      |      |     |       |      |      |     |
|                                                                                         |               |        |     |      |      |       |      |      |      |       |      |      |      |       |      |      |      |       |      |      |     |       |      |      |     |       |      |      |     |
| 320                                                                                     | B<br>B2<br>BW |        |     |      |      |       |      |      |      |       |      |      |      |       |      |      |      |       |      |      |     |       |      |      |     |       |      |      |     |
|                                                                                         |               |        |     |      |      |       |      |      |      |       |      |      |      |       |      |      |      |       |      |      |     |       |      |      |     |       |      |      |     |
|                                                                                         |               |        |     |      |      |       |      |      |      |       |      |      |      |       |      |      |      |       |      |      |     |       |      |      |     |       |      |      |     |
| 330                                                                                     | B<br>B2<br>BW |        |     |      |      |       |      |      |      |       |      |      |      |       |      |      |      |       |      |      |     |       |      |      |     |       |      |      |     |
|                                                                                         |               |        |     |      |      |       |      |      |      |       |      |      |      |       |      |      |      |       |      |      |     |       |      |      |     |       |      |      |     |
|                                                                                         |               |        |     |      |      |       |      |      |      |       |      |      |      |       |      |      |      |       |      |      |     |       |      |      |     |       |      |      |     |
| 340                                                                                     | B<br>B2<br>BW |        |     |      |      |       |      |      |      |       |      |      |      |       |      |      |      |       |      |      |     |       |      |      |     |       |      |      |     |
|                                                                                         |               |        |     |      |      |       |      |      |      |       |      |      |      |       |      |      |      |       |      |      |     |       |      |      |     |       |      |      |     |
|                                                                                         |               |        |     |      |      |       |      |      |      |       |      |      |      |       |      |      |      |       |      |      |     |       |      |      |     |       |      |      |     |
| 350                                                                                     | B<br>B2<br>BW |        |     |      |      |       |      |      |      |       |      |      |      |       |      |      |      |       |      |      |     |       |      |      |     |       |      |      |     |
|                                                                                         |               |        |     |      |      |       |      |      |      |       |      |      |      |       |      |      |      |       |      |      |     |       |      |      |     |       |      |      |     |
|                                                                                         |               |        |     |      |      |       |      |      |      |       |      |      |      |       |      |      |      |       |      |      |     |       |      |      |     |       |      |      |     |
| 360                                                                                     | B<br>B2<br>BW |        |     |      |      |       |      |      |      |       |      |      |      |       |      |      |      |       |      |      |     |       |      |      |     |       |      |      |     |
|                                                                                         |               |        |     |      |      |       |      |      |      |       |      |      |      |       |      |      |      |       |      |      |     |       |      |      |     |       |      |      |     |
|                                                                                         |               |        |     |      |      |       |      |      |      |       |      |      |      |       |      |      |      |       |      |      |     |       |      |      |     |       |      |      |     |

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H

HSDWB/B2/BW

HS 157



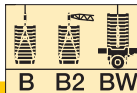
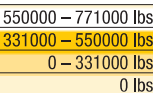
H

| ft  |               | HS 157                   |                          |                           |     |                          |                           |                           |     |                          |                          |                           |                           |                          |                           |                           |     |                           |                           |                           |                          |                           |
|-----|---------------|--------------------------|--------------------------|---------------------------|-----|--------------------------|---------------------------|---------------------------|-----|--------------------------|--------------------------|---------------------------|---------------------------|--------------------------|---------------------------|---------------------------|-----|---------------------------|---------------------------|---------------------------|--------------------------|---------------------------|
|     |               | W 79                     |                          |                           |     | W 98                     |                           |                           |     | W 118                    |                          |                           |                           | W 138                    |                           |                           |     | W 157                     |                           |                           |                          |                           |
|     |               | 87°                      | 85°                      | 77°                       | 67° | 87°                      | 85°                       | 77°                       | 67° | 87°                      | 85°                      | 77°                       | 67°                       | 87°                      | 85°                       | 77°                       | 67° | 87°                       | 85°                       | 77°                       | 67°                      |                           |
| 45  | B<br>B2<br>BW | 418<br>705<br>705<br>705 |                          |                           |     | 674<br>681<br>681<br>681 |                           |                           |     |                          |                          |                           |                           |                          |                           |                           |     |                           |                           |                           |                          |                           |
| 50  | B<br>B2<br>BW | 386<br>705<br>705<br>705 |                          |                           |     | 352<br>658<br>666<br>666 |                           |                           |     |                          |                          |                           |                           |                          |                           |                           |     |                           |                           |                           |                          |                           |
| 55  | B<br>B2<br>BW | 349<br>700<br>705<br>705 | 337<br>705<br>705<br>705 |                           |     | 337<br>637<br>647<br>648 |                           |                           |     | 325<br>560<br>568<br>568 |                          |                           |                           |                          |                           |                           |     |                           |                           |                           |                          |                           |
| 60  | B<br>B2<br>BW | 319<br>683<br>699<br>699 | 308<br>704<br>705<br>705 |                           |     | 307<br>617<br>628<br>629 | 296<br>656<br>671<br>672  |                           |     | 297<br>546<br>555<br>556 |                          |                           |                           | 289<br>480<br>485<br>486 |                           |                           |     |                           |                           |                           |                          |                           |
| 65  | B<br>B2<br>BW | 293<br>644<br>667<br>664 | 283<br>698<br>705<br>705 |                           |     | 272<br>596<br>608<br>610 | 272<br>638<br>654<br>655  |                           |     | 273<br>532<br>540<br>541 | 260<br>559<br>570<br>572 |                           |                           | 266<br>471<br>477<br>477 | 487<br>496<br>496<br>496  |                           |     | 254<br>411<br>414<br>415  |                           |                           | 249<br>358<br>359<br>360 |                           |
| 70  | B<br>B2<br>BW | 271<br>608<br>628<br>627 | 262<br>662<br>687<br>673 |                           |     | 262<br>574<br>586<br>587 | 252<br>620<br>637<br>635  |                           |     | 253<br>517<br>526<br>527 | 243<br>548<br>561<br>561 |                           |                           | 246<br>461<br>466<br>467 | 229<br>482<br>490<br>490  |                           |     | 238<br>404<br>408<br>408  |                           |                           | 233<br>353<br>355<br>356 |                           |
| 75  | B<br>B2<br>BW | 252<br>572<br>585<br>587 | 243<br>625<br>649<br>634 |                           |     | 243<br>549<br>562<br>563 | 234<br>599<br>616<br>612  |                           |     | 235<br>503<br>512<br>514 | 226<br>535<br>547<br>549 |                           |                           | 229<br>450<br>456<br>457 | 220<br>473<br>482<br>483  |                           |     | 221<br>396<br>402<br>401  | 213<br>414<br>418<br>419  |                           | 217<br>347<br>351<br>352 |                           |
| 80  | B<br>B2<br>BW | 235<br>536<br>542<br>544 | 226<br>588<br>598<br>592 |                           |     | 226<br>523<br>534<br>535 | 218<br>574<br>589<br>585  |                           |     | 219<br>486<br>497<br>498 | 210<br>516<br>531<br>537 |                           |                           | 213<br>439<br>446<br>447 | 205<br>464<br>473<br>475  |                           |     | 206<br>389<br>395<br>395  | 198<br>407<br>413<br>414  |                           | 202<br>342<br>346<br>346 |                           |
| 85  | B<br>B2<br>BW | 220<br>500<br>498<br>498 | 212<br>547<br>547<br>548 | 180<br>647<br>694<br>661  |     | 212<br>497<br>500<br>501 | 203<br>544<br>553<br>554  |                           |     | 205<br>468<br>480<br>481 | 197<br>494<br>511<br>525 |                           |                           | 200<br>429<br>437<br>437 | 192<br>455<br>465<br>466  |                           |     | 193<br>381<br>386<br>387  | 185<br>401<br>407<br>408  |                           | 189<br>335<br>339<br>339 |                           |
| 90  | B<br>B2<br>BW | 208<br>457<br>453<br>456 | 199<br>503<br>504<br>506 | 169<br>616<br>660<br>628  |     | 199<br>471<br>468<br>470 | 191<br>508<br>512<br>513  |                           |     | 192<br>448<br>459<br>460 | 185<br>471<br>488<br>499 |                           |                           | 188<br>416<br>422<br>426 | 180<br>445<br>457<br>458  |                           |     | 181<br>374<br>379<br>380  | 174<br>395<br>402<br>402  |                           | 177<br>327<br>331<br>331 |                           |
| 95  | B<br>B2<br>BW | 188<br>461<br>460<br>461 | 159<br>585<br>627<br>596 |                           |     | 187<br>442<br>438<br>440 | 152<br>573<br>613<br>586  |                           |     | 181<br>426<br>433<br>435 | 174<br>448<br>464<br>470 |                           |                           | 177<br>404<br>405<br>415 | 169<br>434<br>445<br>446  |                           |     | 170<br>366<br>372<br>372  | 163<br>387<br>394<br>395  |                           | 167<br>320<br>323<br>324 |                           |
| 100 | B<br>B2<br>BW |                          | 149<br>557<br>593<br>566 |                           |     | 177<br>410<br>406<br>407 | 143<br>549<br>587<br>557  |                           |     | 171<br>403<br>405<br>407 | 164<br>426<br>438<br>440 | 137<br>534<br>567<br>549  |                           | 166<br>390<br>386<br>401 | 159<br>419<br>429<br>430  |                           |     | 161<br>357<br>363<br>364  | 154<br>378<br>385<br>386  |                           | 157<br>312<br>315<br>316 |                           |
| 105 | B<br>B2<br>BW |                          | 141<br>530<br>558<br>539 |                           |     | 168<br>373<br>371<br>373 | 134<br>523<br>560<br>531  |                           |     | 161<br>381<br>380<br>381 | 154<br>404<br>411<br>410 | 129<br>514<br>551<br>525  |                           | 157<br>373<br>368<br>382 | 150<br>401<br>406<br>406  |                           |     | 151<br>347<br>352<br>354  | 145<br>371<br>377<br>378  |                           | 149<br>309<br>307<br>308 |                           |
| 110 | B<br>B2<br>BW |                          | 133<br>505<br>517<br>510 |                           |     | 159<br>334<br>333<br>334 | 127<br>500<br>525<br>507  |                           |     | 153<br>360<br>360<br>361 | 146<br>383<br>385<br>384 | 121<br>493<br>525<br>502  |                           | 149<br>354<br>350<br>358 | 116<br>465<br>471<br>480  |                           |     | 143<br>338<br>341<br>344  | 137<br>359<br>363<br>365  |                           | 141<br>296<br>299<br>300 |                           |
| 115 | B<br>B2<br>BW |                          | 126<br>477<br>479<br>478 |                           |     | 145<br>343<br>340<br>341 | 120<br>475<br>489<br>481  |                           |     | 145<br>339<br>339<br>339 | 139<br>363<br>363<br>363 | 115<br>472<br>489<br>479  |                           | 141<br>335<br>333<br>337 | 111<br>457<br>458<br>469  |                           |     | 136<br>326<br>327<br>330  | 130<br>347<br>349<br>351  |                           | 133<br>289<br>291<br>292 |                           |
| 120 | B<br>B2<br>BW |                          |                          |                           |     |                          | 114<br>449<br>454<br>451  |                           |     | 138<br>317<br>316<br>317 | 132<br>343<br>342<br>343 | 109<br>449<br>452<br>452  |                           | 134<br>318<br>317<br>318 | 128<br>339<br>338<br>339  | 105<br>443<br>438<br>449  |     | 129<br>311<br>312<br>314  | 123<br>333<br>333<br>336  | 100<br>393<br>402<br>402  |                          | 127<br>281<br>284<br>284  |
| 125 | B<br>B2<br>BW |                          |                          | 89.1<br>427<br>458<br>434 |     |                          | 108<br>422<br>422<br>421  |                           |     | 132<br>292<br>291<br>292 | 126<br>322<br>320<br>322 | 103<br>420<br>421<br>422  |                           | 128<br>303<br>302<br>303 | 122<br>319<br>318<br>319  | 99.8<br>422<br>417<br>422 |     | 123<br>295<br>296<br>297  | 117<br>318<br>317<br>319  | 94.7<br>386<br>396<br>395 |                          | 120<br>273<br>276<br>276  |
| 130 | B<br>B2<br>BW |                          |                          | 84.5<br>410<br>441<br>416 |     |                          | 103<br>397<br>398<br>397  | 77.6<br>401<br>430<br>407 |     | 125<br>265<br>264<br>265 | 120<br>298<br>297<br>298 | 97.8<br>393<br>393<br>394 |                           | 122<br>288<br>288<br>288 | 116<br>304<br>303<br>304  | 94.7<br>395<br>393<br>393 |     | 117<br>281<br>281<br>281  | 111<br>301<br>300<br>301  | 89.7<br>373<br>387<br>381 |                          | 114<br>265<br>267<br>268  |
| 135 | B<br>B2<br>BW |                          |                          | 79.9<br>395<br>424<br>400 |     |                          |                           | 74.7<br>390<br>418<br>396 |     |                          |                          | 93.2<br>371<br>371<br>371 |                           | 116<br>272<br>271<br>272 | 111<br>289<br>288<br>289  | 90.2<br>371<br>371<br>370 |     | 112<br>268<br>268<br>268  | 106<br>285<br>285<br>286  | 85.2<br>358<br>368<br>363 |                          | 109<br>258<br>259<br>260  |
| 140 | B<br>B2<br>BW |                          |                          | 75.3<br>380<br>408<br>386 |     |                          |                           | 70.8<br>375<br>403<br>381 |     |                          |                          | 88.8<br>350<br>350<br>350 | 62.7<br>359<br>349<br>364 | 111<br>255<br>255<br>256 | 106<br>274<br>273<br>349  | 85.8<br>349<br>349<br>349 |     | 107<br>257<br>257<br>257  | 101<br>271<br>271<br>272  | 80.9<br>342<br>346<br>344 |                          | 104<br>251<br>250<br>252  |
| 150 | B<br>B2<br>BW |                          |                          |                           |     |                          | 63.7<br>349<br>375<br>354 |                           |     |                          |                          | 80<br>312<br>372<br>313   | 59.1<br>345<br>310<br>350 |                          | 96.2<br>239<br>238<br>240 | 77.9<br>310<br>310<br>310 |     | 97.2<br>232<br>231<br>231 | 92.3<br>245<br>245<br>246 | 73.1<br>308<br>308<br>308 |                          | 95.2<br>234<br>232<br>234 |

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HS 157

|     |                    |                                                                                   |     |     |                                                                                   |                                                                                   |     |                                                                                   |     |                                                                                   |     |                                                                                   |                           |                                                                                    |     |                           |                           |                           |                           |                           |                           |                           |                           |                           |                           |
|-----|--------------------|-----------------------------------------------------------------------------------|-----|-----|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----|-----------------------------------------------------------------------------------|-----|-----------------------------------------------------------------------------------|-----|-----------------------------------------------------------------------------------|---------------------------|------------------------------------------------------------------------------------|-----|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|
|     |                    |  |     |     |  |  |     |  |     |  |     |  |                           |  |     |                           |                           |                           |                           |                           |                           |                           |                           |                           |                           |
|     |                    | 157 ft                                                                            |     |     | 118 ft                                                                            | 79 – 177 ft                                                                       |     | 143300 lbs                                                                        |     | 331000 lbs                                                                        |     | B B2 BW                                                                           |                           | 550000 – 771000 lbs<br>331000 – 550000 lbs<br>0 – 331000 lbs<br>0 lbs              |     |                           |                           |                           |                           |                           |                           |                           |                           |                           |                           |
| ft  |                    | HS 157                                                                            |     |     |                                                                                   |                                                                                   |     |                                                                                   |     |                                                                                   |     |                                                                                   |                           |                                                                                    |     |                           |                           |                           |                           |                           |                           |                           |                           |                           |                           |
|     |                    | W 79                                                                              |     |     |                                                                                   | W 98                                                                              |     |                                                                                   |     | W 118                                                                             |     |                                                                                   |                           | W 138                                                                              |     |                           |                           | W 157                     |                           |                           |                           | W 177                     |                           |                           |                           |
|     |                    | 87°                                                                               | 85° | 77° | 67°                                                                               | 87°                                                                               | 85° | 77°                                                                               | 67° | 87°                                                                               | 85° | 77°                                                                               | 67°                       | 87°                                                                                | 85° | 77°                       | 67°                       | 87°                       | 85°                       | 77°                       | 67°                       | 87°                       | 85°                       | 77°                       | 67°                       |
| 160 | –<br>B<br>B2<br>BW |                                                                                   |     |     |                                                                                   |                                                                                   |     |                                                                                   |     |                                                                                   |     |                                                                                   | 53.1<br>321<br>347<br>326 |                                                                                    |     | 70.7<br>278<br>319<br>276 | 50.4<br>203<br>222<br>276 | 88.6<br>203<br>222<br>202 | 84.1<br>222<br>276<br>276 | 66.2<br>276<br>276<br>276 |                           | 87.1<br>214<br>213<br>215 | 82.3<br>225<br>219<br>225 | 64.3<br>266<br>276<br>272 |                           |
| 170 | –<br>B<br>B2<br>BW |                                                                                   |     |     |                                                                                   |                                                                                   |     |                                                                                   |     |                                                                                   |     |                                                                                   | 47.8<br>301<br>325<br>305 |                                                                                    |     | 63.6<br>252<br>299<br>251 | 45.2<br>170<br>194<br>303 | 80.6<br>170<br>194<br>170 | 75.4<br>194<br>250<br>250 | 60.1<br>293<br>317<br>298 | 40.2<br>194<br>206<br>195 | 80.1<br>194<br>193<br>195 | 74.9<br>206<br>202<br>207 | 58.3<br>247<br>249<br>248 |                           |
| 180 | –<br>B<br>B2<br>BW |                                                                                   |     |     |                                                                                   |                                                                                   |     |                                                                                   |     |                                                                                   |     |                                                                                   | 43.4<br>283<br>297<br>287 |                                                                                    |     |                           | 40.8<br>281<br>295<br>285 |                           |                           | 54.9<br>230<br>230<br>230 | 36.1<br>276<br>293<br>281 | 71.8<br>172<br>171<br>172 | 67.9<br>186<br>184<br>186 | 53<br>227<br>226<br>227   |                           |
| 190 | –<br>B<br>B2<br>BW |                                                                                   |     |     |                                                                                   |                                                                                   |     |                                                                                   |     |                                                                                   |     |                                                                                   |                           |                                                                                    |     |                           | 36.8<br>261<br>268<br>264 |                           |                           | 50.2<br>207<br>206<br>207 | 32.1<br>258<br>266<br>261 |                           | 61.9<br>160<br>159<br>160 | 48.3<br>210<br>209<br>210 | 30.4<br>257<br>263<br>260 |
| 200 | –<br>B<br>B2<br>BW |                                                                                   |     |     |                                                                                   |                                                                                   |     |                                                                                   |     |                                                                                   |     |                                                                                   |                           |                                                                                    |     |                           |                           |                           |                           |                           | 28.5<br>239<br>240<br>239 |                           |                           | 44.1<br>195<br>194<br>194 | 26.8<br>239<br>242<br>240 |
| 210 | –<br>B<br>B2<br>BW |                                                                                   |     |     |                                                                                   |                                                                                   |     |                                                                                   |     |                                                                                   |     |                                                                                   |                           |                                                                                    |     |                           |                           |                           |                           |                           | 25.3<br>217<br>219<br>218 |                           |                           |                           | 23.6<br>218<br>220<br>218 |
| 220 | –<br>B<br>B2<br>BW |                                                                                   |     |     |                                                                                   |                                                                                   |     |                                                                                   |     |                                                                                   |     |                                                                                   |                           |                                                                                    |     |                           |                           |                           |                           |                           | 22.7<br>202<br>202<br>203 |                           |                           |                           | 20.8<br>200<br>202<br>201 |
| 230 | –<br>B<br>B2<br>BW |                                                                                   |     |     |                                                                                   |                                                                                   |     |                                                                                   |     |                                                                                   |     |                                                                                   |                           |                                                                                    |     |                           |                           |                           |                           |                           |                           |                           |                           |                           | 18.2<br>185<br>186<br>186 |

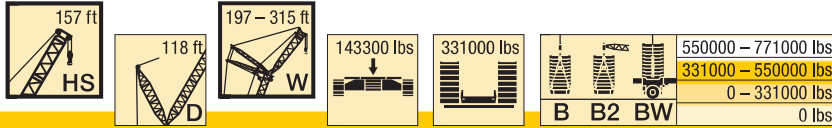
TAB 181391 / 181393 / 181397

TAB 181391 / 181393 / 181397

H



## HSDWB/B2/BW

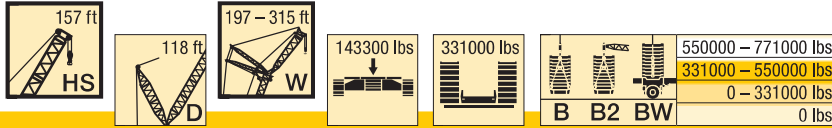
**HS 157**

| ft<br> |                    | HS 157                   |                           |      |     |       |     |     |                          |                           |     |     |     |                           |                           |     |     |                           |                           |     |     |                          |                           |                           |                          |                          |                           |     |     |
|-----------------------------------------------------------------------------------------|--------------------|--------------------------|---------------------------|------|-----|-------|-----|-----|--------------------------|---------------------------|-----|-----|-----|---------------------------|---------------------------|-----|-----|---------------------------|---------------------------|-----|-----|--------------------------|---------------------------|---------------------------|--------------------------|--------------------------|---------------------------|-----|-----|
|                                                                                         |                    | W 197                    |                           |      |     | W 217 |     |     |                          | W 236                     |     |     |     | W 256                     |                           |     |     | W 276                     |                           |     |     | W 295                    |                           |                           |                          | W 315                    |                           |     |     |
|                                                                                         |                    | 87°                      | 85°                       | 77°  | 67° | 87°   | 85° | 77° | 67°                      | 87°                       | 85° | 77° | 67° | 87°                       | 85°                       | 77° | 67° | 87°                       | 85°                       | 77° | 67° | 87°                      | 85°                       | 77°                       | 67°                      | 87°                      | 85°                       | 77° | 67° |
| 75                                                                                      | —<br>B<br>B2<br>BW | 210<br>301<br>302<br>303 |                           |      |     |       |     |     |                          |                           |     |     |     |                           |                           |     |     |                           |                           |     |     |                          |                           |                           |                          |                          |                           |     |     |
| 80                                                                                      | —<br>B<br>B2<br>BW | 196<br>298<br>299<br>300 |                           |      |     |       |     |     | 190<br>257<br>222<br>222 |                           |     |     |     |                           |                           |     |     |                           |                           |     |     |                          |                           |                           |                          |                          |                           |     |     |
| 85                                                                                      | —<br>B<br>B2<br>BW | 183<br>294<br>296<br>296 | 175<br>301<br>303<br>304  |      |     |       |     |     | 177<br>254<br>256<br>256 |                           |     |     |     | 166<br>186<br>187<br>187  |                           |     |     |                           |                           |     |     |                          |                           |                           |                          |                          |                           |     |     |
| 90                                                                                      | —<br>B<br>B2<br>BW | 172<br>290<br>293<br>293 | 165<br>299<br>301<br>302  |      |     |       |     |     | 166<br>252<br>253<br>253 |                           |     |     |     | 162<br>217<br>218<br>219  |                           |     |     |                           |                           |     |     |                          |                           |                           |                          |                          |                           |     |     |
| 95                                                                                      | —<br>B<br>B2<br>BW | 162<br>287<br>289<br>290 | 155<br>296<br>299<br>299  |      |     |       |     |     | 156<br>249<br>250<br>251 | 149<br>255<br>257<br>257  |     |     |     | 147<br>183<br>183<br>183  |                           |     |     | 141<br>158<br>159<br>159  |                           |     |     |                          |                           |                           |                          |                          |                           |     |     |
| 100                                                                                     | —<br>B<br>B2<br>BW | 153<br>283<br>285<br>286 | 146<br>293<br>296<br>297  |      |     |       |     |     | 147<br>245<br>247<br>248 | 140<br>253<br>255<br>255  |     |     |     | 138<br>213<br>214<br>214  | 124<br>218<br>184<br>184  |     |     | 133<br>157<br>157<br>157  |                           |     |     | 130<br>135<br>135<br>135 |                           |                           | 113<br>113<br>113<br>113 |                          |                           |     |     |
| 105                                                                                     | —<br>B<br>B2<br>BW | 144<br>279<br>282<br>283 | 137<br>291<br>294<br>294  |      |     |       |     |     | 139<br>242<br>244<br>245 | 132<br>251<br>253<br>253  |     |     |     | 130<br>178<br>179<br>179  | 124<br>182<br>182<br>183  |     |     | 125<br>155<br>156<br>156  | 118<br>157<br>157<br>157  |     |     |                          | 122<br>133<br>133<br>134  |                           |                          | 111<br>111<br>111<br>112 |                           |     |     |
| 110                                                                                     | —<br>B<br>B2<br>BW | 136<br>275<br>278<br>279 | 130<br>287<br>291<br>291  |      |     |       |     |     | 131<br>239<br>241<br>241 | 125<br>248<br>250<br>250  |     |     |     | 123<br>208<br>210<br>210  | 117<br>214<br>215<br>216  |     |     | 118<br>154<br>154<br>154  | 111<br>156<br>156<br>156  |     |     |                          | 115<br>132<br>132<br>132  | 107<br>133<br>133<br>133  |                          |                          | 109<br>110<br>110<br>110  |     |     |
| 115                                                                                     | —<br>B<br>B2<br>BW | 129<br>271<br>274<br>275 | 123<br>284<br>288<br>288  |      |     |       |     |     | 124<br>235<br>237<br>237 | 118<br>244<br>247<br>247  |     |     |     | 116<br>174<br>175<br>175  | 110<br>178<br>179<br>179  |     |     | 111<br>152<br>153<br>153  | 105<br>155<br>155<br>155  |     |     |                          | 109<br>131<br>131<br>131  | 103<br>132<br>132<br>132  |                          |                          | 104<br>109<br>109<br>109  |     |     |
| 120                                                                                     | —<br>B<br>B2<br>BW | 122<br>266<br>271<br>270 | 116<br>281<br>285<br>285  |      |     |       |     |     | 118<br>231<br>234<br>234 | 112<br>241<br>244<br>244  |     |     |     | 110<br>203<br>205<br>205  | 104<br>210<br>211<br>212  |     |     | 105<br>172<br>173<br>173  | 98.8<br>154<br>154<br>154 |     |     |                          | 103<br>130<br>130<br>130  | 96.7<br>131<br>132<br>132 |                          |                          | 98<br>107<br>107<br>108   |     |     |
| 125                                                                                     | —<br>B<br>B2<br>BW | 116<br>262<br>267<br>266 | 110<br>277<br>282<br>282  |      |     |       |     |     | 112<br>228<br>230<br>231 | 106<br>238<br>241<br>241  |     |     |     | 104<br>200<br>202<br>202  | 98.4<br>175<br>176<br>176 |     |     | 99.1<br>149<br>150<br>150 | 93.2<br>152<br>153<br>153 |     |     |                          | 97.2<br>129<br>129<br>129 | 91.3<br>130<br>131<br>131 |                          |                          | 92.5<br>106<br>106<br>106 |     |     |
| 130                                                                                     | —<br>B<br>B2<br>BW | 110<br>259<br>263<br>263 | 105<br>271<br>275<br>276  | 82.1 |     |       |     |     | 106<br>224<br>226<br>227 | 100<br>235<br>238<br>238  |     |     |     | 98.9<br>168<br>169<br>170 | 93.3<br>173<br>174<br>174 |     |     | 93.8<br>147<br>148<br>148 | 88.2<br>151<br>151<br>151 |     |     |                          | 91.9<br>127<br>128<br>128 | 86.3<br>129<br>130<br>130 |                          |                          | 87.4<br>105<br>106<br>107 |     |     |
| 135                                                                                     | —<br>B<br>B2<br>BW | 105<br>252<br>256<br>256 | 99.8<br>266<br>268<br>269 | 79   |     |       |     |     | 101<br>221<br>223<br>223 | 95.5<br>231<br>234<br>235 |     |     |     | 97.8<br>195<br>197<br>197 | 92.4<br>203<br>205<br>205 |     |     | 89.1<br>166<br>167<br>168 | 83.5<br>171<br>173<br>173 |     |     |                          | 87.2<br>146<br>150<br>150 | 81.7<br>128<br>129<br>129 |                          |                          | 82.7<br>103<br>103<br>    |     |     |

TAB 181391 / 181393 / 181397

HSDWB/B2/BW

HS 157



| ft  |                    | HS 157 |     |                           |                           |                         |                           |                           |                           |                           |                           |                           |                           |                              |                              |                           |                              |                              |                              |                           |                              |                              |                            |                              |                              |                              |                              |                              |                              |                              |                      |
|-----|--------------------|--------|-----|---------------------------|---------------------------|-------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|------------------------------|------------------------------|---------------------------|------------------------------|------------------------------|------------------------------|---------------------------|------------------------------|------------------------------|----------------------------|------------------------------|------------------------------|------------------------------|------------------------------|------------------------------|------------------------------|------------------------------|----------------------|
|     |                    | W 197  |     |                           |                           |                         |                           |                           | W 217                     |                           |                           |                           |                           |                              |                              | W 236                     |                              |                              |                              |                           |                              |                              | W 256                      |                              |                              |                              |                              |                              |                              |                              |                      |
|     |                    | 87°    | 85° | 77°                       | 67°                       | 87°                     | 85°                       | 77°                       | 67°                       | 87°                       | 85°                       | 77°                       | 67°                       | 87°                          | 85°                          | 77°                       | 67°                          | 87°                          | 85°                          | 77°                       | 67°                          | 87°                          | 85°                        | 77°                          | 67°                          | 87°                          | 85°                          | 77°                          | 67°                          |                              |                      |
| 220 | -<br>B<br>B2<br>BW |        |     | 33.2<br>165<br>164<br>164 | 17<br>200<br>200<br>200   | 47<br>123<br>123<br>123 | 43.7<br>134<br>134<br>134 | 29.5<br>161<br>161<br>161 | 13.4<br>187<br>195<br>191 | 44.5<br>130<br>130<br>129 | 40.8<br>137<br>137<br>137 | 26.8<br>159<br>156<br>159 | 10.6<br>172<br>175<br>175 | 41.4<br>129<br>128<br>129    | 37.7<br>134<br>134<br>134    | 23.6<br>154<br>151<br>154 | 140<br>140<br>135<br>137     | 37.1<br>118<br>119<br>119    | 33.4<br>126<br>127<br>127    | 19.2<br>134<br>136<br>136 |                              | 35.7<br>105<br>106<br>106    | 32<br>110<br>111<br>111    | 17.9<br>114<br>115<br>115    |                              | 31.9<br>81.2<br>81.8<br>81.9 | 28.2<br>84.8<br>85.7<br>85.8 | 13.9<br>88.6<br>89.4<br>89.5 |                              |                              |                      |
| 230 | -<br>B<br>B2<br>BW |        |     | 30.2<br>150<br>150<br>149 | 14.4<br>183<br>184<br>184 |                         |                           | 39.3<br>115<br>114<br>114 | 26.4<br>150<br>181<br>179 | 10.9<br>119<br>119<br>118 | 40.2<br>126<br>126<br>126 | 37.2<br>148<br>146<br>148 | 8.1<br>170<br>173<br>173  | 37.7<br>120<br>120<br>120    | 34.2<br>125<br>125<br>125    | 20.6<br>145<br>145<br>145 | 143<br>145<br>145<br>145     | 33.4<br>112<br>112<br>114    | 29.9<br>120<br>120<br>120    | 16.2<br>132<br>132<br>134 |                              | 32<br>102<br>103<br>104      | 28.5<br>108<br>109<br>109  | 14.9<br>113<br>114<br>115    |                              | 28.2<br>78.5<br>79.1<br>79.2 | 24.7<br>82.3<br>83.1<br>83.3 | 10.9<br>87.5<br>88.3<br>88.3 |                              |                              |                      |
| 240 | -<br>B<br>B2<br>BW |        |     |                           | 12.1<br>169<br>169<br>169 |                         |                           |                           | 23.6<br>140<br>167<br>166 |                           | 36.3<br>105<br>104<br>105 | 33.9<br>115<br>115<br>115 | 20.8<br>138<br>166<br>166 | 34.3<br>111<br>111<br>111    | 30.9<br>117<br>116<br>116    | 17.7<br>135<br>134<br>135 | 145<br>145<br>147<br>147     | 30<br>107<br>107<br>108      | 26.6<br>112<br>113<br>113    | 13.4<br>128<br>130<br>130 |                              | 28.6<br>99.6<br>100<br>101   | 25.2<br>105<br>106<br>106  | 12.1<br>112<br>114<br>114    |                              | 24.8<br>75.8<br>76.5<br>76.7 | 21.4<br>79.7<br>80.6<br>80.8 | 86.2<br>87.1<br>87.1<br>87.1 |                              |                              |                      |
| 250 | -<br>B<br>B2<br>BW |        |     |                           | 156<br>155<br>156         |                         |                           |                           | 154<br>154<br>154         |                           |                           |                           | 129<br>153<br>154<br>154  | 31.2<br>102<br>102<br>102    | 27.9<br>108<br>108<br>108    | 15.1<br>125<br>125<br>125 | 146<br>146<br>146<br>146     | 26.9<br>101<br>100<br>102    | 23.6<br>105<br>105<br>106    | 10.8<br>120<br>121<br>120 |                              | 25.4<br>97.1<br>97.5<br>97.7 | 22.1<br>101<br>102<br>102  |                              | 21.7<br>73.7<br>74.2<br>74.5 | 18.4<br>77.3<br>78.2<br>78.3 | 85<br>85.7<br>85.8<br>85.8   |                              |                              |                              |                      |
| 260 | -<br>B<br>B2<br>BW |        |     | 147<br>147<br>147         |                           |                         |                           |                           | 143<br>143<br>143         |                           |                           |                           | 120<br>142<br>142<br>142  | 15.8<br>91.7<br>91.4<br>91.3 | 28.6<br>99.2<br>99.1<br>99.4 | 25.3<br>117<br>117<br>117 | 12.7<br>140<br>134<br>140    | 24.1<br>94.2<br>93.9<br>94.6 | 20.9<br>98.3<br>98.5<br>98.7 | 8.4<br>113<br>113<br>112  |                              | 22.6<br>94.1<br>94.1<br>94.4 | 19.4<br>96.8<br>97<br>97.3 |                              | 18.8<br>71.9<br>72.4<br>72.6 | 15.6<br>75.6<br>76.4<br>76.5 | 83.4<br>84.3<br>84.5<br>84.5 | 72.1<br>70.3<br>73<br>73     |                              |                              |                      |
| 270 | -<br>B<br>B2<br>BW |        |     |                           |                           |                         |                           |                           | 134<br>134<br>134         |                           |                           |                           | 110<br>132<br>110<br>110  | 23<br>83.6<br>83.4<br>83.6   | 10.6<br>110<br>110<br>110    | 131<br>131<br>127<br>131  | 21.6<br>86.6<br>86.3<br>86.8 | 18.4<br>91.5<br>92<br>91.9   | 8.4<br>105<br>105<br>105     |                           | 19.9<br>88.5<br>88.4<br>88.7 | 16.8<br>91.7<br>104<br>92.1  |                            | 16.2<br>70.1<br>70.6<br>70.8 | 13.1<br>73.8<br>74.7<br>74.8 | 81.7<br>81.7<br>82.7<br>82.8 | 72.7<br>73.6<br>73.6<br>73.6 |                              |                              |                              |                      |
| 280 | -<br>B<br>B2<br>BW |        |     |                           |                           |                         |                           |                           |                           |                           |                           |                           | 123<br>124<br>123         |                              |                              |                           | 8.6<br>102<br>103<br>103     | 19.4<br>75.8<br>75<br>75.3   | 16.2<br>83.4<br>84<br>83.9   |                           | 17.4<br>81.9<br>81.8<br>82.1 | 14.4<br>86.1<br>85.8<br>86.1 |                            | 13.7<br>68.1<br>68.7<br>68.8 | 10.7<br>72<br>72.8<br>72.9   | 79.9<br>81<br>81<br>81.1     | 73<br>74<br>74<br>74         |                              |                              |                              |                      |
| 290 | -<br>B<br>B2<br>BW |        |     |                           |                           |                         |                           |                           |                           |                           |                           |                           | 116<br>116<br>116         |                              |                              |                           | 113<br>113<br>113            |                              |                              |                           |                              | 92.5<br>91.8<br>92.6         | 109<br>109<br>110          |                              | 15.1<br>75.1<br>75.3         | 12.2<br>79.6<br>79.3         |                              | 66.2<br>69.9<br>67<br>67     | 69.9<br>78.1<br>79.1<br>79.2 | 73.2<br>74.3<br>74.3<br>74.3 |                      |
| 300 | -<br>B<br>B2<br>BW |        |     |                           |                           |                         |                           |                           |                           |                           |                           |                           | 109<br>109<br>109         |                              |                              |                           | 105<br>105<br>105            |                              |                              |                           |                              | 87.1<br>86.8<br>87.4         | 102<br>102<br>102          |                              | 13.1<br>66.3<br>66.2<br>66.8 | 10.2<br>72.2<br>72.2<br>72.1 |                              | 64.8<br>67.3<br>65.1         | 67.3<br>75.5<br>76.2         | 73.3<br>74.5<br>74.5         |                      |
| 310 | -<br>B<br>B2<br>BW |        |     |                           |                           |                         |                           |                           |                           |                           |                           |                           |                           |                              |                              |                           |                              | 99.7<br>99.3<br>99.3         |                              |                           |                              | 79.2<br>78.9<br>79.3         | 94.9<br>95.3<br>95.4       |                              | 60.5<br>60.5<br>60.5         | 80.7<br>80.3<br>80.8         | 95.4<br>96<br>96             | 61.4<br>61.6<br>61.6         | 64.8<br>73.6<br>73.2         | 73.4<br>74.6<br>74.6         |                      |
| 320 | -<br>B<br>B2<br>BW |        |     |                           |                           |                         |                           |                           |                           |                           |                           |                           |                           |                              |                              |                           |                              |                              |                              |                           |                              |                              | 89.4<br>89.8<br>89.7       |                              |                              | 75.2<br>74.8<br>75.2         | 89<br>89<br>89.2             | 53.3<br>53.2<br>53.4         | 60.5<br>60.2<br>60.5         | 70.1<br>70.5<br>69.9         | 73<br>74.6<br>74.7   |
| 330 | -<br>B<br>B2<br>BW |        |     |                           |                           |                         |                           |                           |                           |                           |                           |                           |                           |                              |                              |                           |                              |                              |                              |                           |                              |                              | 84.7<br>84.9<br>84.4       |                              |                              |                              | 82.7<br>82.7<br>82.7         |                              |                              | 66.4<br>66.8<br>66.5         | 72<br>74.2<br>74.3   |
| 340 | -<br>B<br>B2<br>BW |        |     |                           |                           |                         |                           |                           |                           |                           |                           |                           |                           |                              |                              |                           |                              |                              |                              |                           |                              |                              | 79.1<br>79.2<br>78.8       |                              |                              |                              | 77<br>77<br>76.9             |                              |                              | 62.9<br>63.1<br>63           | 69.7<br>71.9<br>72.2 |
| 350 | -<br>B<br>B2<br>BW |        |     |                           |                           |                         |                           |                           |                           |                           |                           |                           |                           |                              |                              |                           |                              |                              |                              |                           |                              |                              |                            |                              |                              |                              | 72.9<br>73<br>72.9           |                              |                              | 57.2<br>56.9<br>57.2         | 66.1<br>67.9<br>68.4 |
| 360 | -<br>B<br>B2<br>BW |        |     |                           |                           |                         |                           |                           |                           |                           |                           |                           |                           |                              |                              |                           |                              |                              |                              |                           |                              |                              |                            |                              |                              |                              |                              |                              |                              |                              | 62.7<br>64.4<br>64.7 |
| 370 | -<br>B<br>B2<br>BW |        |     |                           |                           |                         |                           |                           |                           |                           |                           |                           |                           |                              |                              |                           |                              |                              |                              |                           |                              |                              |                            |                              |                              |                              |                              |                              |                              |                              | 59.7<br>61.3<br>61.4 |
| 380 | -<br>B<br>B2<br>BW |        |     |                           |                           |                         |                           |                           |                           |                           |                           |                           |                           |                              |                              |                           |                              |                              |                              |                           |                              |                              |                            |                              |                              |                              |                              |                              |                              |                              | 57<br>57.7<br>58     |

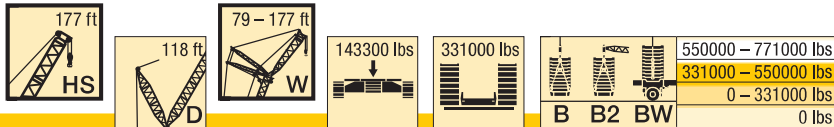
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H



HSDWB/B2/BW

HS 177



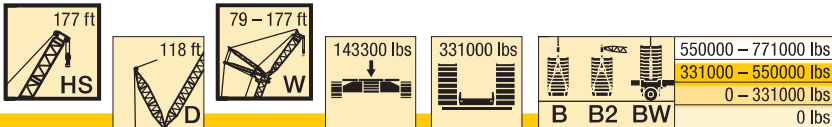
H

| ft  |                    | HS 177                   |                          |                          |                           |                          |                          |                           |                           |                          |                          |                           |     |                          |                           |                           |     |                           |                           |                           |     |                           |                           |                           |     |
|-----|--------------------|--------------------------|--------------------------|--------------------------|---------------------------|--------------------------|--------------------------|---------------------------|---------------------------|--------------------------|--------------------------|---------------------------|-----|--------------------------|---------------------------|---------------------------|-----|---------------------------|---------------------------|---------------------------|-----|---------------------------|---------------------------|---------------------------|-----|
|     |                    | W 79                     |                          |                          |                           | W 98                     |                          |                           |                           | W 118                    |                          |                           |     | W 138                    |                           |                           |     | W 157                     |                           |                           |     | W 177                     |                           |                           |     |
|     |                    | 87°                      | 85°                      | 77°                      | 67°                       | 87°                      | 85°                      | 77°                       | 67°                       | 87°                      | 85°                      | 77°                       | 67° | 87°                      | 85°                       | 77°                       | 67° | 87°                       | 85°                       | 77°                       | 67° | 87°                       | 85°                       | 77°                       | 67° |
| 45  | -<br>B<br>B2<br>BW | 400<br>703<br>705<br>705 |                          |                          |                           |                          |                          |                           |                           |                          |                          |                           |     |                          |                           |                           |     |                           |                           |                           |     |                           |                           |                           |     |
| 50  | -<br>B<br>B2<br>BW | 369<br>678<br>689<br>690 |                          |                          |                           |                          |                          |                           |                           |                          |                          |                           |     |                          |                           |                           |     |                           |                           |                           |     |                           |                           |                           |     |
| 55  | -<br>B<br>B2<br>BW | 335<br>649<br>664<br>666 | 322<br>697<br>705<br>705 |                          |                           | 325<br>590<br>598<br>599 |                          |                           |                           | 314<br>521<br>527<br>527 |                          |                           |     |                          |                           |                           |     |                           |                           |                           |     |                           |                           |                           |     |
| 60  | -<br>B<br>B2<br>BW | 307<br>620<br>635<br>636 | 294<br>677<br>699<br>700 |                          |                           | 297<br>570<br>580<br>581 | 284<br>603<br>624<br>624 |                           |                           | 287<br>509<br>515<br>516 |                          |                           |     | 279<br>448<br>453<br>454 |                           |                           |     |                           |                           |                           |     |                           |                           |                           |     |
| 65  | -<br>B<br>B2<br>BW | 282<br>590<br>607<br>608 | 270<br>650<br>671<br>673 |                          |                           | 273<br>547<br>559<br>559 | 262<br>592<br>608<br>609 |                           |                           | 265<br>496<br>502<br>504 | 250<br>525<br>533<br>533 |                           |     | 258<br>439<br>445<br>445 |                           |                           |     | 247<br>384<br>387<br>387  |                           |                           |     | 334<br>337<br>337         |                           |                           |     |
| 70  | -<br>B<br>B2<br>BW | 261<br>562<br>578<br>580 | 250<br>623<br>644<br>643 |                          |                           | 253<br>525<br>535<br>538 | 242<br>573<br>589<br>590 |                           |                           | 245<br>480<br>489<br>490 | 234<br>513<br>523<br>524 |                           |     | 239<br>430<br>436<br>436 |                           |                           |     | 231<br>378<br>382<br>382  |                           |                           |     | 217<br>331<br>333<br>334  |                           |                           |     |
| 75  | -<br>B<br>B2<br>BW | 243<br>534<br>549<br>551 | 232<br>596<br>618<br>614 |                          |                           | 236<br>503<br>509<br>517 | 225<br>552<br>569<br>571 |                           |                           | 228<br>465<br>475<br>476 | 218<br>500<br>512<br>513 |                           |     | 222<br>420<br>426<br>427 | 212<br>444<br>452<br>452  |                           |     | 215<br>372<br>376<br>376  |                           |                           |     | 209<br>327<br>329<br>330  |                           |                           |     |
| 80  | -<br>B<br>B2<br>BW | 227<br>506<br>521<br>523 | 217<br>569<br>592<br>583 |                          |                           | 220<br>482<br>482<br>496 | 210<br>531<br>549<br>550 |                           |                           | 213<br>451<br>461<br>461 | 203<br>488<br>501<br>501 |                           |     | 208<br>411<br>416<br>418 | 198<br>436<br>445<br>445  |                           |     | 201<br>365<br>369<br>369  | 191<br>382<br>386<br>386  |                           |     | 195<br>321<br>324<br>325  | 185<br>334<br>337<br>337  |                           |     |
| 85  | -<br>B<br>B2<br>BW | 213<br>480<br>494<br>496 | 203<br>541<br>562<br>550 |                          |                           | 206<br>460<br>457<br>472 | 196<br>512<br>529<br>531 |                           |                           | 199<br>435<br>443<br>445 | 190<br>474<br>488<br>489 |                           |     | 194<br>402<br>408<br>409 | 185<br>429<br>438<br>437  |                           |     | 188<br>357<br>361<br>362  | 179<br>377<br>383<br>383  |                           |     | 182<br>316<br>319<br>320  | 173<br>331<br>334<br>334  |                           |     |
| 90  | -<br>B<br>B2<br>BW | 200<br>448<br>453<br>453 | 191<br>510<br>516<br>513 |                          |                           | 193<br>438<br>433<br>451 | 184<br>494<br>510<br>510 |                           |                           | 187<br>418<br>424<br>428 | 178<br>458<br>471<br>475 |                           |     | 183<br>390<br>397<br>398 | 174<br>419<br>428<br>429  |                           |     | 177<br>350<br>354<br>356  | 168<br>371<br>378<br>378  |                           |     | 171<br>310<br>313<br>313  | 163<br>326<br>329<br>330  |                           |     |
| 95  | -<br>B<br>B2<br>BW |                          | 180<br>472<br>472<br>473 | 147<br>573<br>613<br>585 |                           | 182<br>418<br>411<br>430 | 174<br>475<br>489<br>487 |                           |                           | 176<br>400<br>405<br>412 | 168<br>444<br>452<br>460 |                           |     | 172<br>377<br>386<br>386 | 164<br>410<br>419<br>421  |                           |     | 166<br>343<br>348<br>349  | 158<br>365<br>371<br>372  |                           |     | 161<br>303<br>306<br>307  | 153<br>320<br>324<br>325  |                           |     |
| 100 | -<br>B<br>B2<br>BW |                          |                          | 138<br>547<br>585<br>556 |                           | 172<br>397<br>389<br>406 | 164<br>453<br>462<br>459 | 133<br>535<br>573<br>548  |                           | 166<br>384<br>386<br>396 | 158<br>429<br>432<br>444 |                           |     | 162<br>365<br>374<br>374 | 154<br>400<br>410<br>411  |                           |     | 157<br>335<br>341<br>342  | 149<br>358<br>364<br>365  |                           |     | 152<br>296<br>299<br>300  | 144<br>313<br>317<br>318  |                           |     |
| 105 | -<br>B<br>B2<br>BW |                          |                          | 130<br>521<br>558<br>529 |                           | 163<br>369<br>364<br>374 | 155<br>424<br>424<br>424 | 125<br>514<br>550<br>522  |                           | 157<br>368<br>367<br>379 | 149<br>415<br>413<br>425 | 120<br>500<br>532<br>514  |     | 153<br>352<br>360<br>361 | 146<br>387<br>398<br>398  |                           |     | 148<br>327<br>333<br>333  | 140<br>352<br>358<br>359  |                           |     | 143<br>289<br>291<br>293  | 136<br>306<br>311<br>311  |                           |     |
| 110 | -<br>B<br>B2<br>BW |                          |                          | 123<br>497<br>533<br>505 |                           | 155<br>336<br>333<br>337 | 147<br>389<br>388<br>388 | 118<br>491<br>526<br>499  |                           | 149<br>353<br>349<br>362 | 141<br>401<br>394<br>406 | 113<br>482<br>516<br>493  |     | 145<br>339<br>344<br>349 | 138<br>374<br>386<br>385  | 108<br>437<br>452<br>452  |     | 140<br>318<br>325<br>325  | 133<br>343<br>350<br>351  |                           |     | 136<br>281<br>284<br>285  | 128<br>300<br>304<br>304  |                           |     |
| 115 | -<br>B<br>B2<br>BW |                          |                          | 117<br>475<br>504<br>484 |                           | 140<br>351<br>349<br>350 | 112<br>470<br>504<br>478 |                           |                           | 142<br>337<br>332<br>344 | 134<br>380<br>374<br>382 | 107<br>464<br>497<br>473  |     | 138<br>326<br>328<br>336 | 131<br>360<br>372<br>371  | 104<br>433<br>451<br>452  |     | 133<br>308<br>315<br>316  | 126<br>335<br>341<br>342  |                           |     | 129<br>274<br>278<br>278  | 122<br>293<br>297<br>297  |                           |     |
| 120 | -<br>B<br>B2<br>BW |                          |                          | 111<br>455<br>473<br>462 |                           |                          | 106<br>451<br>483<br>458 |                           |                           | 135<br>318<br>312<br>322 | 128<br>356<br>354<br>358 | 101<br>445<br>476<br>454  |     | 131<br>314<br>313<br>323 | 124<br>346<br>357<br>356  | 98.2<br>426<br>449<br>445 |     | 126<br>298<br>304<br>307  | 119<br>327<br>332<br>333  |                           |     | 122<br>268<br>271<br>271  | 115<br>285<br>290<br>290  |                           |     |
| 125 | -<br>B<br>B2<br>BW |                          |                          |                          |                           |                          | 101<br>433<br>463<br>439 |                           |                           | 128<br>293<br>290<br>294 | 121<br>332<br>333<br>334 | 95.8<br>427<br>457<br>435 |     | 125<br>302<br>300<br>309 | 118<br>331<br>341<br>341  | 92.9<br>415<br>446<br>430 |     | 120<br>289<br>293<br>297  | 113<br>317<br>322<br>323  | 88.1<br>369<br>380<br>381 |     | 116<br>261<br>264<br>264  | 109<br>279<br>282<br>283  |                           |     |
| 130 | -<br>B<br>B2<br>BW |                          |                          |                          | 71.6<br>396<br>427<br>402 |                          |                          | 95.6<br>416<br>436<br>420 |                           | 123<br>266<br>265<br>266 | 116<br>305<br>305<br>306 | 90.9<br>411<br>436<br>418 |     | 119<br>291<br>287<br>295 | 113<br>316<br>323<br>324  | 88.2<br>403<br>429<br>415 |     | 114<br>279<br>281<br>287  | 108<br>307<br>310<br>311  | 83.4<br>363<br>375<br>375 |     | 110<br>253<br>257<br>258  | 104<br>272<br>275<br>276  | 78.5<br>306<br>313<br>313 |     |
| 135 | -<br>B<br>B2<br>BW |                          |                          |                          | 68.8<br>385<br>415<br>391 |                          |                          | 85.8<br>327<br>336        |                           |                          |                          | 86.6<br>395<br>411<br>400 |     | 114<br>274<br>271<br>278 | 108<br>300<br>305<br>305  | 83.8<br>390<br>408<br>398 |     | 109<br>268<br>269<br>275  | 103<br>295<br>297<br>298  | 79.1<br>352<br>368<br>368 |     | 105<br>246<br>250<br>251  | 99.2<br>264<br>268<br>269 | 75.5<br>303<br>310<br>310 |     |
| 140 | -<br>B<br>B2<br>BW |                          |                          |                          | 65.2<br>371<br>400<br>377 |                          |                          | 81.7<br>314<br>355<br>382 | 58<br>382<br>360          |                          |                          | 82.4<br>379<br>385<br>380 |     | 109<br>256<br>255<br>259 | 103<br>284<br>286<br>286  | 79.7<br>376<br>386<br>380 |     | 104<br>258<br>258<br>262  | 98.1<br>283<br>284<br>285 | 75.1<br>340<br>359<br>361 |     | 101<br>240<br>244<br>244  | 94.5<br>258<br>261<br>261 | 71.5<br>298<br>305<br>306 |     |
| 150 | -<br>B<br>B2<br>BW |                          |                          |                          |                           |                          |                          |                           | 54.6<br>341<br>368<br>346 |                          |                          | 74.8<br>339<br>337<br>338 |     |                          | 94.3<br>247<br>247<br>247 | 72.2<br>342<br>345<br>343 |     | 95.3<br>233<br>232<br>234 | 89.5<br>256<br>256<br>257 | 67.7<br>318<br>335<br>336 |     | 91.7<br>225<br>229<br>229 | 86<br>243<br>245<br>246   | 64.2<br>289<br>294<br>295 |     |

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HSDWB/B2/BW

HS 177



| ft  |               | HS 177 |     |     |     |      |     |     |                           |       |     |     |                           |       |     |                           |                           |                           |                           |                           |                           |                           |                           |                           |                           |
|-----|---------------|--------|-----|-----|-----|------|-----|-----|---------------------------|-------|-----|-----|---------------------------|-------|-----|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|
|     |               | W 79   |     |     |     | W 98 |     |     |                           | W 118 |     |     |                           | W 138 |     |                           |                           | W 157                     |                           |                           |                           | W 177                     |                           |                           |                           |
|     |               | 87°    | 85° | 77° | 67° | 87°  | 85° | 77° | 67°                       | 87°   | 85° | 77° | 67°                       | 87°   | 85° | 77°                       | 67°                       | 87°                       | 85°                       | 77°                       | 67°                       | 87°                       | 85°                       | 77°                       | 67°                       |
| 160 | B<br>B2<br>BW |        |     |     |     |      |     |     | 48.9<br>318<br>343<br>322 |       |     |     | 44.7<br>314<br>339<br>320 |       |     | 65.6<br>305<br>307<br>307 |                           | 87.4<br>205<br>204<br>204 | 81.8<br>227<br>225<br>227 | 61.1<br>295<br>305<br>304 |                           | 83.9<br>211<br>213<br>213 | 78.5<br>228<br>229<br>230 | 57.8<br>277<br>279<br>283 |                           |
| 170 | B<br>B2<br>BW |        |     |     |     |      |     |     | 43.9<br>298<br>321<br>302 |       |     |     | 39.8<br>294<br>318<br>299 |       |     | 59.8<br>273<br>274<br>275 | 37.2<br>291<br>315<br>295 | 80.5<br>173<br>172<br>173 | 74.7<br>197<br>196<br>196 | 55.3<br>273<br>275<br>273 |                           | 77.1<br>193<br>194<br>194 | 71.8<br>211<br>210<br>211 | 52.1<br>264<br>261<br>267 |                           |
| 180 | B<br>B2<br>BW |        |     |     |     |      |     |     |                           |       |     |     | 35.6<br>276<br>299<br>281 |       |     | 55<br>236<br>237<br>237   | 33.4<br>275<br>297<br>279 |                           |                           | 50.3<br>248<br>248<br>248 |                           | 70.3<br>171<br>170<br>171 | 66.1<br>188<br>187<br>189 | 47.2<br>245<br>243<br>246 |                           |
| 190 | B<br>B2<br>BW |        |     |     |     |      |     |     |                           |       |     |     |                           |       |     |                           | 29.7<br>259<br>280<br>263 |                           |                           | 45.8<br>221<br>220<br>222 | 25.3<br>255<br>276<br>259 |                           | 60.6<br>163<br>163<br>164 | 42.7<br>226<br>226<br>226 | 22.3<br>251<br>265<br>256 |
| 200 | B<br>B2<br>BW |        |     |     |     |      |     |     |                           |       |     |     |                           |       |     |                           | 26.4<br>244<br>264<br>248 |                           |                           |                           | 22<br>240<br>260<br>245   |                           |                           | 38.7<br>206<br>207<br>207 | 19<br>237<br>257<br>241   |
| 210 | B<br>B2<br>BW |        |     |     |     |      |     |     |                           |       |     |     |                           |       |     |                           |                           |                           |                           |                           | 19<br>227<br>246<br>231   |                           |                           | 35.1<br>186<br>186<br>186 | 16.1<br>224<br>242<br>229 |
| 220 | B<br>B2<br>BW |        |     |     |     |      |     |     |                           |       |     |     |                           |       |     |                           |                           |                           |                           |                           | 16.4<br>215<br>226<br>218 |                           |                           | 32.2<br>159<br>160<br>160 | 13.5<br>213<br>224<br>217 |
| 230 | B<br>B2<br>BW |        |     |     |     |      |     |     |                           |       |     |     |                           |       |     |                           |                           |                           |                           |                           |                           |                           |                           |                           | 11.2<br>202<br>207<br>204 |
| 240 | B<br>B2<br>BW |        |     |     |     |      |     |     |                           |       |     |     |                           |       |     |                           |                           |                           |                           |                           |                           |                           |                           |                           | 190<br>190<br>190         |

TAB 181391 / 181393 / 181397

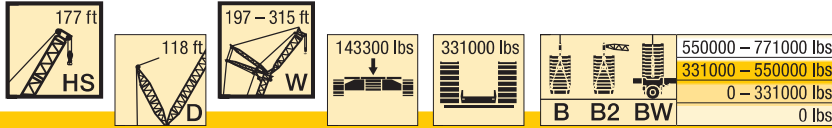
H





HSDWB/B2/BW

HS 177



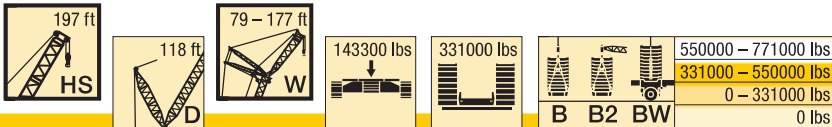
| ft  |               | HS 177 |     |                           |                   |                    |                           |                           |                   |                           |                           |                           |                   |                              |                              |                           |                   |                              |                              |                           |                              |                              |                              |                              |                              |                              |                              |                      |     |
|-----|---------------|--------|-----|---------------------------|-------------------|--------------------|---------------------------|---------------------------|-------------------|---------------------------|---------------------------|---------------------------|-------------------|------------------------------|------------------------------|---------------------------|-------------------|------------------------------|------------------------------|---------------------------|------------------------------|------------------------------|------------------------------|------------------------------|------------------------------|------------------------------|------------------------------|----------------------|-----|
|     |               | W 197  |     |                           |                   |                    |                           |                           | W 217             |                           |                           |                           |                   |                              |                              | W 236                     |                   |                              |                              |                           |                              |                              | W 256                        |                              |                              |                              |                              |                      |     |
|     |               | 87°    | 85° | 77°                       | 67°               | 87°                | 85°                       | 77°                       | 67°               | 87°                       | 85°                       | 77°                       | 67°               | 87°                          | 85°                          | 77°                       | 67°               | 87°                          | 85°                          | 77°                       | 67°                          | 87°                          | 85°                          | 77°                          | 67°                          | 87°                          | 85°                          | 77°                  | 67° |
| 220 | B<br>B2<br>BW |        |     | 28.3<br>176<br>176        | 9.9<br>209<br>223 | 45.2<br>122<br>122 | 40.9<br>135<br>135        | 24.6<br>175<br>174        | 196<br>201<br>201 | 42.3<br>128<br>131        | 38.1<br>142<br>141        | 22<br>166<br>173          | 161<br>161<br>164 | 39.2<br>124<br>127           | 35<br>135<br>132             | 18.9<br>153<br>155        |                   | 36.9<br>112<br>113           | 32.7<br>120<br>122           | 16.6<br>129<br>131        |                              | 33.7<br>99.7<br>101          | 29.5<br>105<br>106           | 13.3<br>110<br>111           | 29.8<br>77.8<br>78.5         | 25.6<br>81.9<br>82.8         | 9.2<br>85.9<br>86.7          |                      |     |
| 230 | B<br>B2<br>BW |        |     | 25.4<br>157<br>158<br>158 | 199<br>206<br>202 |                    | 37.5<br>116<br>116<br>116 | 21.7<br>162<br>162<br>163 | 192<br>197<br>197 | 38.7<br>117<br>118<br>118 | 34.6<br>129<br>128<br>129 | 19.1<br>157<br>161<br>160 | 164<br>168<br>168 | 35.6<br>117<br>119           | 31.6<br>129<br>124<br>130    | 16<br>149<br>150<br>151   |                   | 33.3<br>108<br>109<br>110    | 29.2<br>117<br>117<br>119    | 13.7<br>129<br>131<br>131 |                              | 30<br>97.1<br>98.2<br>98.5   | 26<br>103<br>105<br>105      | 10.4<br>109<br>111<br>111    | 26.3<br>75<br>75.7           | 22.2<br>79.5<br>80.3         | 84.9<br>85.8<br>85.8         |                      |     |
| 240 | B<br>B2<br>BW |        |     |                           | 188<br>190<br>189 |                    | 19.1<br>149<br>149<br>150 |                           | 184<br>187<br>187 | 35.5<br>104<br>103<br>104 | 31.5<br>116<br>115<br>115 | 16.4<br>148<br>150<br>171 | 167<br>169<br>171 | 32.3<br>109<br>110<br>111    | 28.4<br>122<br>116<br>122    | 13.3<br>138<br>144<br>144 |                   | 29.9<br>104<br>105<br>105    | 26<br>114<br>111<br>115      | 11<br>127<br>129<br>129   |                              | 26.7<br>94.3<br>95.7<br>96   | 22.8<br>101<br>102<br>103    |                              | 23<br>72.3<br>73.1<br>73.2   | 19<br>77.1<br>77.6<br>77.7   | 83.6<br>84.7<br>84.7         |                      |     |
| 250 | B<br>B2<br>BW |        |     | 176<br>175<br>175         |                   |                    | 134<br>134<br>134         | 173<br>173<br>173         |                   | 33.9<br>139<br>140<br>140 | 31.5<br>168<br>165<br>171 | 16.4<br>168<br>165<br>171 |                   | 29.3<br>99.9<br>100<br>101   | 25.5<br>111<br>107<br>110    | 10.8<br>136<br>136<br>137 | 140<br>140<br>142 | 23.9<br>99.3<br>100<br>100   | 20.3<br>111<br>105<br>110    |                           | 26.8<br>91.4<br>93.1<br>93.4 | 23<br>99.4<br>98.8<br>101    | 19.9<br>108<br>109<br>110    | 19.9<br>70.2<br>70.9<br>71   | 16.1<br>74.7<br>75<br>75.1   | 81.9<br>83.5<br>83.5         |                              |                      |     |
| 260 | B<br>B2<br>BW |        |     | 162<br>162<br>162         |                   |                    | 114<br>114<br>114         | 160<br>159<br>160         |                   | 11.6<br>128<br>129<br>129 | 11.6<br>159<br>156<br>159 |                           |                   | 26.7<br>89.9<br>89.4<br>89.9 | 22.9<br>99.1<br>98.3<br>99.1 | 8.6<br>128<br>128<br>128  | 142<br>144<br>144 | 23.9<br>92.8<br>93<br>93     | 20.3<br>105<br>98.2<br>103   |                           | 20.8<br>88.5<br>90.3<br>90.7 | 17.2<br>98.2<br>95.4<br>99.6 |                              | 17.1<br>68.4<br>70.9<br>69.1 | 13.4<br>72.5<br>73.3<br>73.3 | 68<br>64.5<br>68.9           |                              |                      |     |
| 270 | B<br>B2<br>BW |        |     |                           |                   |                    | 149<br>148<br>148         |                           |                   | 9.6<br>116<br>116<br>116  | 9.6<br>148<br>147<br>148  |                           |                   | 20.7<br>84.6<br>84.3<br>84.8 | 8.6<br>120<br>119<br>120     |                           | 140<br>140<br>142 | 21.4<br>85.8<br>85.4<br>85.2 | 17.8<br>95.9<br>91.5<br>93.7 | 113<br>115<br>117<br>117  |                              | 18.2<br>83.1<br>84.9<br>85.4 | 14.6<br>95<br>91.2<br>96.1   |                              | 14.5<br>66.6<br>67.1<br>67.2 | 10.9<br>70.7<br>71.6<br>71.6 | 69<br>69.9<br>70             |                      |     |
| 280 | B<br>B2<br>BW |        |     |                           |                   |                    | 138<br>138<br>138         |                           |                   | 137<br>138<br>138         |                           |                           |                   | 19<br>110<br>110<br>110      | 15.5<br>135<br>135<br>136    |                           |                   | 19<br>75.6<br>74.3<br>74.3   | 15.5<br>86.1<br>83.3<br>83.8 | 111<br>111<br>108<br>118  | 116<br>119<br>119            | 15.8<br>76.8<br>78.8<br>79.2 | 12.3<br>89.1<br>85.7<br>89.9 | 104<br>104<br>106<br>106     | 95.4<br>64.4<br>65.2<br>65.2 | 69<br>69<br>70<br>69.8       | 77.3<br>77.3<br>79.2<br>79.2 | 69.6<br>70.4<br>70.6 |     |
| 290 | B<br>B2<br>BW |        |     |                           |                   |                    |                           |                           |                   | 128<br>129<br>129         |                           |                           |                   | 99.1<br>99.2<br>98.8         | 126<br>127<br>126            |                           |                   | 104<br>101<br>101            | 114<br>119<br>116            |                           | 13.6<br>70.6<br>72.3<br>72.7 | 10.2<br>80.6<br>79<br>81     |                              | 99.7<br>96.7<br>101<br>98.3  | 96.7<br>96.7<br>96.7<br>96.7 | 62.2<br>67.2<br>68.3<br>68.1 | 76<br>76<br>77.3<br>77.6     | 70<br>70.9           |     |
| 300 | B<br>B2<br>BW |        |     |                           |                   |                    |                           |                           |                   | 120<br>121<br>120         |                           |                           |                   | 83.7<br>83.1<br>83.6         | 118<br>118<br>118            |                           |                   | 96<br>93.4<br>93.4           | 110<br>114<br>111            |                           | 11.6<br>64.4<br>64.6<br>64.9 | 8.2<br>72.7<br>71.7<br>72.2  |                              | 7.7<br>94.3<br>94.9<br>99.6  | 59.8<br>61.1<br>61.3         | 65.6<br>66.3<br>66           | 74.8<br>75.9<br>76.2         | 70.3<br>71.4<br>71.5 |     |
| 310 | B<br>B2<br>BW |        |     |                           |                   |                    |                           |                           |                   |                           |                           |                           |                   | 110<br>111<br>110            |                              |                           |                   | 86.5<br>84.2<br>84.4         | 104<br>107<br>106            |                           | 61<br>60.4<br>60.7           | 87.8<br>87.6<br>88.1         | 97<br>98.7<br>99             | 56.8<br>58.4                 | 64<br>64.4                   | 73.6<br>74.8<br>74.9         | 70.6<br>71.6<br>71.7         |                      |     |
| 320 | B<br>B2<br>BW |        |     |                           |                   |                    |                           |                           |                   |                           |                           |                           |                   | 103<br>104<br>103            |                              |                           |                   | 99.3<br>100<br>99.6          |                              |                           | 80.9<br>80.8<br>81.1         | 94.9<br>96.6<br>96.9         | 50.5<br>51.3<br>51.8         | 60<br>60.2<br>59.9           | 72<br>73<br>73.2             | 70.7<br>71.8<br>71.9         |                              |                      |     |
| 330 | B<br>B2<br>BW |        |     |                           |                   |                    |                           |                           |                   |                           |                           |                           |                   |                              |                              |                           |                   | 94.8<br>94<br>93.6           |                              |                           | 72.8<br>72.9<br>73.1         | 91.7<br>93.1<br>93.4         |                              |                              | 69.8<br>70.4<br>70.8         | 70.6<br>72.1<br>72.1         |                              |                      |     |
| 340 | B<br>B2<br>BW |        |     |                           |                   |                    |                           |                           |                   |                           |                           |                           |                   |                              |                              |                           |                   | 90.8<br>90<br>89.3           |                              |                           | 60.6<br>60.4<br>60.9         | 87.4<br>87.9<br>88           |                              |                              | 66.8<br>66.8<br>67.5         | 70.6<br>72.3<br>72.3         |                              |                      |     |
| 350 | B<br>B2<br>BW |        |     |                           |                   |                    |                           |                           |                   |                           |                           |                           |                   |                              |                              |                           |                   |                              |                              |                           | 82.8<br>82.9<br>83.1         |                              |                              |                              | 61.5<br>61.5<br>61.9         | 70.6<br>71.7<br>71.9         |                              |                      |     |
| 360 | B<br>B2<br>BW |        |     |                           |                   |                    |                           |                           |                   |                           |                           |                           |                   |                              |                              |                           |                   |                              |                              |                           | 77.4<br>77.2<br>77.6         |                              |                              |                              |                              | 70<br>70.4<br>70.9           |                              |                      |     |
| 370 | B<br>B2<br>BW |        |     |                           |                   |                    |                           |                           |                   |                           |                           |                           |                   |                              |                              |                           |                   |                              |                              |                           |                              |                              |                              |                              |                              | 68.4<br>68.5<br>69.1         |                              |                      |     |
| 380 | B<br>B2<br>BW |        |     |                           |                   |                    |                           |                           |                   |                           |                           |                           |                   |                              |                              |                           |                   |                              |                              |                           |                              |                              |                              |                              |                              | 64.9<br>65.5<br>65.7         |                              |                      |     |

TAB 181391 / 181393 / 181397



HSDWB/B2/BW

HS 197



H

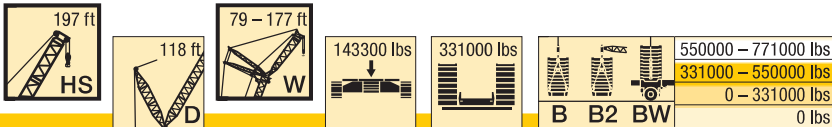
| ft<br> |                    | HS 197                   |                          |                          |      |                           |                          |                          |     |                          |                          |                           |                          |                          |                           |                           |     |                           |                           |                           |     |                          |                           |                           |                           |  |
|-----------------------------------------------------------------------------------------|--------------------|--------------------------|--------------------------|--------------------------|------|---------------------------|--------------------------|--------------------------|-----|--------------------------|--------------------------|---------------------------|--------------------------|--------------------------|---------------------------|---------------------------|-----|---------------------------|---------------------------|---------------------------|-----|--------------------------|---------------------------|---------------------------|---------------------------|--|
|                                                                                         |                    | W 79                     |                          |                          |      | W 98                      |                          |                          |     | W 118                    |                          |                           |                          | W 138                    |                           |                           |     | W 157                     |                           |                           |     | W 177                    |                           |                           |                           |  |
|                                                                                         |                    | 87°                      | 85°                      | 77°                      | 67°  | 87°                       | 85°                      | 77°                      | 67° | 87°                      | 85°                      | 77°                       | 67°                      | 87°                      | 85°                       | 77°                       | 67° | 87°                       | 85°                       | 77°                       | 67° | 87°                      | 85°                       | 77°                       | 67°                       |  |
| 45                                                                                      | —<br>B<br>B2<br>BW | 385<br>630<br>638<br>640 |                          |                          |      |                           |                          |                          |     |                          |                          |                           |                          |                          |                           |                           |     |                           |                           |                           |     |                          |                           |                           |                           |  |
|                                                                                         | —<br>B<br>B2<br>BW | 356<br>609<br>618<br>619 |                          |                          |      |                           |                          |                          |     |                          |                          |                           |                          |                          |                           |                           |     |                           |                           |                           |     |                          |                           |                           |                           |  |
|                                                                                         | —<br>B<br>B2<br>BW | 324<br>583<br>593<br>594 |                          |                          |      | 312<br>531<br>538<br>539  |                          |                          |     | 281<br>471<br>477<br>478 |                          |                           |                          |                          |                           |                           |     |                           |                           |                           |     |                          |                           |                           |                           |  |
|                                                                                         | —<br>B<br>B2<br>BW | 296<br>558<br>567<br>569 | 282<br>609<br>624<br>626 |                          |      | 286<br>512<br>519<br>520  | 272<br>553<br>564<br>565 |                          |     | 276<br>462<br>467<br>468 |                          |                           | 269<br>409<br>411<br>413 |                          |                           |                           |     |                           |                           |                           |     |                          |                           |                           |                           |  |
| 65                                                                                      | —<br>B<br>B2<br>BW | 273<br>533<br>544<br>545 | 260<br>583<br>600<br>602 |                          |      | 263<br>491<br>498<br>501  | 250<br>534<br>548<br>548 |                          |     | 255<br>450<br>455<br>456 | 240<br>478<br>484<br>485 |                           |                          | 248<br>401<br>404<br>405 |                           |                           |     | 238<br>351<br>353<br>354  |                           |                           |     |                          |                           |                           |                           |  |
|                                                                                         | —<br>B<br>B2<br>BW | 253<br>509<br>521<br>521 | 241<br>559<br>577<br>578 |                          |      | 244<br>472<br>480<br>482  | 232<br>516<br>529<br>530 |                          |     | 237<br>433<br>441<br>441 | 224<br>469<br>477<br>477 |                           |                          | 231<br>392<br>397<br>398 |                           |                           |     | 223<br>345<br>348<br>349  |                           |                           |     |                          |                           |                           |                           |  |
|                                                                                         | —<br>B<br>B2<br>BW | 236<br>486<br>498<br>498 | 224<br>537<br>554<br>555 |                          |      | 227<br>454<br>463<br>464  | 216<br>497<br>510<br>512 |                          |     | 220<br>420<br>426<br>428 | 209<br>457<br>467<br>467 |                           |                          | 215<br>384<br>388<br>389 | 203<br>406<br>411<br>413  |                           |     | 208<br>339<br>343<br>343  |                           |                           |     | 204<br>301<br>302<br>303 |                           |                           |                           |  |
|                                                                                         | —<br>B<br>B2<br>BW | 220<br>464<br>475<br>475 | 209<br>515<br>532<br>532 |                          |      | 212<br>436<br>445<br>446  | 201<br>479<br>493<br>494 |                          |     | 205<br>405<br>412<br>413 | 194<br>442<br>454<br>454 |                           |                          | 200<br>374<br>379<br>380 | 190<br>400<br>405<br>406  |                           |     | 194<br>334<br>337<br>338  | 183<br>352<br>355<br>355  |                           |     | 190<br>297<br>298<br>299 |                           |                           |                           |  |
| 85                                                                                      | —<br>B<br>B2<br>BW | 206<br>440<br>453<br>452 | 196<br>490<br>507<br>511 |                          |      | 199<br>418<br>428<br>428  | 188<br>462<br>476<br>477 |                          |     | 192<br>391<br>398<br>400 | 182<br>429<br>439<br>441 |                           |                          | 188<br>362<br>367<br>369 | 177<br>393<br>399<br>400  |                           |     | 181<br>328<br>331<br>331  | 171<br>346<br>350<br>351  |                           |     | 178<br>292<br>294<br>295 | 167<br>305<br>307<br>308  |                           |                           |  |
|                                                                                         | —<br>B<br>B2<br>BW | 194<br>421<br>431<br>433 | 184<br>466<br>483<br>492 |                          |      | 187<br>400<br>410<br>411  | 177<br>445<br>460<br>459 |                          |     | 181<br>378<br>385<br>386 | 171<br>414<br>425<br>426 |                           |                          | 176<br>351<br>357<br>358 | 167<br>382<br>390<br>391  |                           |     | 171<br>319<br>324<br>325  | 161<br>341<br>345<br>346  |                           |     | 167<br>287<br>290<br>290 | 158<br>302<br>304<br>305  |                           |                           |  |
|                                                                                         | —<br>B<br>B2<br>BW |                          | 173<br>444<br>460<br>470 | 137<br>555<br>594<br>573 |      | 176<br>383<br>393<br>393  | 166<br>428<br>444<br>443 |                          |     | 170<br>363<br>372<br>373 | 161<br>401<br>412<br>413 |                           |                          | 166<br>340<br>346<br>347 | 157<br>373<br>380<br>382  |                           |     | 161<br>312<br>317<br>318  | 151<br>335<br>340<br>341  |                           |     | 158<br>284<br>284<br>284 | 148<br>297<br>300<br>301  |                           |                           |  |
|                                                                                         | —<br>B<br>B2<br>BW |                          |                          | 129<br>534<br>572<br>546 |      | 166<br>367<br>375<br>376  | 157<br>413<br>427<br>427 |                          |     | 161<br>349<br>357<br>358 | 151<br>388<br>400<br>400 |                           |                          | 157<br>330<br>336<br>337 | 148<br>362<br>370<br>372  |                           |     | 151<br>304<br>309<br>311  | 142<br>328<br>335<br>335  |                           |     | 149<br>275<br>278<br>278 | 140<br>291<br>295<br>296  |                           |                           |  |
| 105                                                                                     | —<br>B<br>B2<br>BW |                          | 122<br>511<br>547<br>520 |                          |      | 157<br>350<br>358<br>358  | 148<br>396<br>410<br>409 | 116<br>498<br>533<br>512 |     | 152<br>335<br>343<br>344 | 143<br>376<br>387<br>388 |                           |                          | 148<br>319<br>325<br>326 | 140<br>350<br>360<br>361  |                           |     | 143<br>296<br>301<br>302  | 134<br>322<br>330<br>330  |                           |     | 140<br>269<br>272<br>272 | 132<br>286<br>290<br>290  |                           |                           |  |
|                                                                                         | —<br>B<br>B2<br>BW |                          | 115<br>488<br>523<br>498 |                          |      | 150<br>337<br>340<br>341  | 141<br>377<br>389<br>389 | 109<br>479<br>514<br>491 |     | 144<br>323<br>330<br>330 | 136<br>364<br>375<br>376 | 102<br>446<br>480<br>470  |                          | 141<br>308<br>314<br>315 | 132<br>340<br>350<br>351  |                           |     | 135<br>288<br>293<br>294  | 127<br>315<br>322<br>323  |                           |     | 133<br>262<br>265<br>266 | 125<br>280<br>284<br>284  |                           |                           |  |
|                                                                                         | —<br>B<br>B2<br>BW |                          | 109<br>467<br>501<br>477 |                          |      | 134<br>355<br>360<br>362  | 103<br>460<br>494<br>470 |                          |     | 137<br>310<br>317<br>317 | 129<br>351<br>363<br>363 | 98.1<br>438<br>474<br>459 |                          | 133<br>296<br>303<br>304 | 125<br>330<br>340<br>341  |                           |     | 128<br>279<br>284<br>286  | 120<br>308<br>315<br>316  |                           |     | 126<br>256<br>259<br>259 | 118<br>275<br>278<br>278  |                           |                           |  |
|                                                                                         | —<br>B<br>B2<br>BW |                          | 103<br>448<br>480<br>456 |                          |      | 97.4<br>442<br>474<br>450 |                          |                          |     | 130<br>297<br>304<br>304 | 122<br>338<br>349<br>351 | 92.7<br>425<br>462<br>443 |                          | 127<br>286<br>292<br>293 | 119<br>321<br>331<br>332  | 89.8<br>394<br>410<br>411 |     | 122<br>271<br>276<br>277  | 114<br>300<br>307<br>308  |                           |     | 120<br>250<br>253<br>253 | 112<br>269<br>272<br>272  |                           |                           |  |
| 125                                                                                     | —<br>B<br>B2<br>BW |                          | 94.1<br>383<br>362       |                          |      | 92.2<br>424<br>455<br>432 |                          |                          |     | 124<br>285<br>289<br>290 | 116<br>325<br>336<br>338 | 87.6<br>412<br>447<br>427 |                          | 121<br>275<br>282<br>283 | 113<br>312<br>322<br>322  | 84.9<br>386<br>409<br>409 |     | 116<br>262<br>267<br>268  | 108<br>292<br>299<br>300  | 80.1<br>338<br>349<br>349 |     |                          | 114<br>244<br>247<br>247  | 106<br>262<br>266<br>266  |                           |  |
|                                                                                         | —<br>B<br>B2<br>BW |                          | 89.6<br>367<br>347       |                          |      | 87.5<br>408<br>438<br>415 |                          |                          |     | 119<br>271<br>273        | 111<br>307<br>313        | 83<br>399<br>431          |                          | 115<br>265<br>271<br>272 | 108<br>303<br>311         | 80.4<br>377<br>406<br>402 |     | 110<br>253<br>258<br>259  | 103<br>283<br>292<br>292  | 75.7<br>338<br>349<br>349 |     |                          | 108<br>237<br>241<br>241  | 101<br>256<br>260<br>260  | 286<br>293                |  |
|                                                                                         | —<br>B<br>B2<br>BW |                          |                          |                          |      | 83.3<br>391<br>415<br>397 |                          |                          |     |                          |                          | 78.9<br>386<br>415<br>396 |                          | 110<br>255<br>261<br>261 | 103<br>292<br>299<br>300  | 76.3<br>368<br>398<br>391 |     | 105<br>244<br>250<br>251  | 98.4<br>276<br>284<br>284 | 71.7<br>333<br>345<br>346 |     |                          | 104<br>231<br>235<br>235  | 96.6<br>250<br>254<br>254 | 284<br>291<br>291         |  |
|                                                                                         | —<br>B<br>B2<br>BW |                          |                          |                          | 52.7 |                           |                          |                          |     |                          |                          | 74.9                      |                          | 105<br>246<br>251<br>250 | 98.4<br>281<br>287<br>288 | 72.4<br>358<br>389<br>377 |     | 101<br>236<br>242<br>242  | 93.8<br>268<br>276<br>276 | 67.9<br>327<br>341<br>342 |     |                          | 98.8<br>225<br>229<br>230 | 92<br>244<br>247<br>248   | 66.2<br>282<br>288<br>289 |  |
| 150                                                                                     | —<br>B<br>B2<br>BW |                          |                          |                          | 49.6 |                           |                          |                          |     |                          |                          | 67.7                      |                          |                          | 90.2<br>252<br>254<br>255 | 65.3<br>338<br>359<br>350 |     | 91.9<br>219<br>224<br>224 | 85.4<br>251<br>256<br>256 | 60.9<br>310<br>328<br>330 |     |                          | 90.2<br>212<br>217<br>217 | 83.8<br>232<br>235<br>235 | 59.4<br>275<br>281<br>282 |  |

TAB 181391 / 181393 / 181397



HSDWB/B2/BW

HS 197



| ft  |                    |  | HS 197 |     |     |     |      |                           |     |     |       |                           |                           |     |                         |                           |                           |                           |                           |                           |                           |                           |                           |                           |     |     |
|-----|--------------------|-----------------------------------------------------------------------------------|--------|-----|-----|-----|------|---------------------------|-----|-----|-------|---------------------------|---------------------------|-----|-------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|-----|-----|
|     |                    |                                                                                   | W 79   |     |     |     | W 98 |                           |     |     | W 118 |                           |                           |     | W 138                   |                           |                           |                           | W 157                     |                           |                           |                           | W 177                     |                           |     |     |
|     |                    |                                                                                   | 87°    | 85° | 77° | 67° | 87°  | 85°                       | 77° | 67° | 87°   | 85°                       | 77°                       | 67° | 87°                     | 85°                       | 77°                       | 67°                       | 87°                       | 85°                       | 77°                       | 67°                       | 87°                       | 85°                       | 77° | 67° |
| 160 | -<br>B<br>B2<br>BW |                                                                                   |        |     |     |     |      | 39.4<br>310<br>335<br>316 |     |     |       | 56.9<br>312<br>311<br>312 | 28.2<br>194               |     |                         | 59.1<br>317<br>323<br>321 | 84.3<br>201<br>203<br>203 | 78.1<br>232<br>232<br>232 | 54.8<br>290<br>309<br>313 |                           | 82.5<br>199<br>204<br>204 | 76.4<br>220<br>223<br>223 | 53.3<br>266<br>271<br>273 |                           |     |     |
| 170 | -<br>B<br>B2<br>BW |                                                                                   |        |     |     |     |      | 34.9<br>291<br>314<br>295 |     |     |       | 51.9<br>249<br>252<br>248 | 30.9<br>285<br>309<br>291 |     |                         | 53.6<br>288<br>288<br>288 | 28.4<br>283<br>306<br>288 | 77.8<br>177<br>202<br>202 | 71.7<br>203<br>271<br>286 | 49.3<br>271<br>286<br>288 |                           | 75.7<br>186<br>189<br>190 | 69.9<br>208<br>210<br>211 | 47.9<br>256<br>257<br>263 |     |     |
| 180 | -<br>B<br>B2<br>BW |                                                                                   |        |     |     |     |      | 31<br>273<br>296<br>278   |     |     |       | 27.1<br>270<br>292<br>274 |                           |     | 49<br>254<br>254<br>256 | 25<br>267<br>290<br>272   |                           |                           | 44.6<br>253<br>260<br>261 |                           | 70<br>173<br>173<br>174   | 64.3<br>191<br>192<br>192 | 43.2<br>243<br>240<br>248 |                           |     |     |
| 190 | -<br>B<br>B2<br>BW |                                                                                   |        |     |     |     |      |                           |     |     |       | 23.7<br>254<br>273<br>258 |                           |     |                         | 21.6<br>252<br>273<br>256 |                           |                           | 40.3<br>232<br>233<br>234 | 17.4<br>248<br>269<br>252 |                           |                           | 59.3<br>170<br>170<br>170 | 38.9<br>228<br>225<br>232 |     |     |
| 200 | -<br>B<br>B2<br>BW |                                                                                   |        |     |     |     |      |                           |     |     |       |                           |                           |     |                         | 18.6<br>238<br>258<br>242 |                           |                           | 36.6<br>203<br>202<br>203 | 14.4<br>234<br>254<br>238 |                           |                           | 35<br>214<br>211<br>215   | 13.1<br>232<br>249<br>237 |     |     |
| 210 | -<br>B<br>B2<br>BW |                                                                                   |        |     |     |     |      |                           |     |     |       |                           |                           |     |                         | 224<br>244<br>229         |                           |                           |                           | 11.7<br>221<br>240<br>224 |                           |                           | 31.6<br>199<br>197<br>199 | 10.4<br>219<br>238<br>223 |     |     |
| 220 | -<br>B<br>B2<br>BW |                                                                                   |        |     |     |     |      |                           |     |     |       |                           |                           |     |                         | 213<br>230<br>216         |                           |                           |                           | 9.3<br>209<br>228<br>213  |                           |                           | 28.5<br>175<br>174<br>176 | 8.1<br>208<br>226<br>212  |     |     |
| 230 | -<br>B<br>B2<br>BW |                                                                                   |        |     |     |     |      |                           |     |     |       |                           |                           |     |                         |                           |                           |                           |                           | 199<br>215<br>202         |                           |                           |                           | 197<br>215<br>201         |     |     |
| 240 | -<br>B<br>B2<br>BW |                                                                                   |        |     |     |     |      |                           |     |     |       |                           |                           |     |                         |                           |                           |                           |                           |                           |                           |                           |                           | 187<br>203<br>191         |     |     |
| 250 | -<br>B<br>B2<br>BW |                                                                                   |        |     |     |     |      |                           |     |     |       |                           |                           |     |                         |                           |                           |                           |                           |                           |                           |                           |                           | 177<br>189<br>181         |     |     |
| 260 | -<br>B<br>B2<br>BW |                                                                                   |        |     |     |     |      |                           |     |     |       |                           |                           |     |                         |                           |                           |                           |                           |                           |                           |                           |                           | 160<br>162<br>161         |     |     |

TAB 181391 / 181393 / 181397

TAB 181391 / 181393 / 181397

H

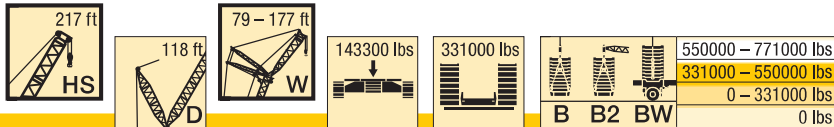






HSDWB/B2/BW

HS 217



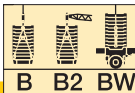
H

| ft  |                 | HS 217                    |                           |                         |     |                          |                           |                           |     |                           |                           |                           |     |                           |                           |                           |     |                          |                           |                           |                          |                           |
|-----|-----------------|---------------------------|---------------------------|-------------------------|-----|--------------------------|---------------------------|---------------------------|-----|---------------------------|---------------------------|---------------------------|-----|---------------------------|---------------------------|---------------------------|-----|--------------------------|---------------------------|---------------------------|--------------------------|---------------------------|
|     |                 | W 79                      |                           |                         |     | W 98                     |                           |                           |     | W 118                     |                           |                           |     | W 138                     |                           |                           |     | W 157                    |                           |                           |                          |                           |
|     |                 | 87°                       | 85°                       | 77°                     | 67° | 87°                      | 85°                       | 77°                       | 67° | 87°                       | 85°                       | 77°                       | 67° | 87°                       | 85°                       | 77°                       | 67° | 87°                      | 85°                       | 77°                       | 67°                      |                           |
| 45  | - B<br>B2<br>BW | 370<br>561<br>568<br>570  |                           |                         |     |                          |                           |                           |     |                           |                           |                           |     |                           |                           |                           |     |                          |                           |                           |                          |                           |
| 50  | - B<br>B2<br>BW | 343<br>544<br>552<br>553  |                           |                         |     |                          |                           |                           |     |                           |                           |                           |     |                           |                           |                           |     |                          |                           |                           |                          |                           |
| 55  | - B<br>B2<br>BW | 312<br>524<br>532<br>532  |                           |                         |     | 301<br>474<br>481<br>482 |                           |                           |     |                           |                           |                           |     |                           |                           |                           |     |                          |                           |                           |                          |                           |
| 60  | - B<br>B2<br>BW | 286<br>503<br>511<br>511  | 271<br>548<br>559<br>561  |                         |     | 276<br>459<br>465<br>466 |                           |                           |     | 268<br>416<br>421<br>422  |                           |                           |     | 372<br>375<br>375         |                           |                           |     |                          |                           |                           |                          |                           |
| 65  | - B<br>B2<br>BW | 264<br>480<br>490<br>491  | 250<br>529<br>540<br>542  |                         |     | 255<br>443<br>449<br>450 | 238<br>481<br>488<br>490  |                           |     | 247<br>403<br>409<br>410  | 432<br>438<br>439         |                           |     | 239<br>366<br>368<br>369  |                           |                           |     | 229<br>320<br>322<br>322 |                           |                           |                          |                           |
| 70  | - B<br>B2<br>BW | 245<br>462<br>469<br>471  | 232<br>507<br>521<br>521  |                         |     | 237<br>427<br>434<br>435 | 223<br>467<br>476<br>477  |                           |     | 229<br>391<br>397<br>397  | 209<br>423<br>429<br>431  |                           |     | 224<br>356<br>360<br>361  |                           |                           |     | 215<br>315<br>317<br>318 |                           |                           |                          |                           |
| 75  | - B<br>B2<br>BW | 229<br>443<br>450<br>452  | 216<br>487<br>501<br>501  |                         |     | 221<br>411<br>417<br>418 | 208<br>450<br>461<br>461  |                           |     | 214<br>379<br>384<br>385  | 201<br>412<br>419<br>420  |                           |     | 209<br>347<br>352<br>352  | 196<br>370<br>375<br>376  |                           |     | 200<br>310<br>312<br>313 |                           |                           | 196<br>275<br>277<br>277 |                           |
| 80  | - B<br>B2<br>BW | 214<br>424<br>431<br>434  | 201<br>468<br>480<br>482  |                         |     | 206<br>395<br>401<br>403 | 194<br>434<br>446<br>446  |                           |     | 200<br>366<br>372<br>373  | 188<br>400<br>408<br>409  |                           |     | 195<br>337<br>342<br>342  | 183<br>364<br>369<br>370  |                           |     | 187<br>303<br>307<br>308 | 175<br>321<br>324<br>324  |                           | 183<br>271<br>273<br>273 |                           |
| 85  | - B<br>B2<br>BW | 200<br>404<br>412<br>414  | 188<br>449<br>463<br>465  |                         |     | 193<br>380<br>387<br>389 | 181<br>420<br>430<br>431  |                           |     | 187<br>353<br>360<br>361  | 176<br>389<br>396<br>397  |                           |     | 183<br>328<br>333<br>333  | 171<br>356<br>361<br>363  |                           |     | 175<br>297<br>301<br>302 | 164<br>317<br>320<br>320  |                           | 172<br>268<br>269<br>269 |                           |
| 90  | - B<br>B2<br>BW | 189<br>387<br>395<br>396  | 177<br>433<br>447<br>448  |                         |     | 182<br>365<br>372<br>374 | 171<br>406<br>415<br>417  |                           |     | 176<br>342<br>347<br>349  | 165<br>375<br>384<br>386  |                           |     | 172<br>319<br>324<br>324  | 161<br>347<br>353<br>354  |                           |     | 164<br>290<br>294<br>295 | 154<br>310<br>315<br>316  |                           | 161<br>263<br>265<br>265 |                           |
| 95  | - B<br>B2<br>BW | 167<br>417<br>431<br>432  | 120<br>511<br>549<br>531  |                         |     | 162<br>337<br>358<br>359 | 152<br>377<br>401<br>403  |                           |     | 156<br>319<br>324<br>325  | 146<br>353<br>362<br>362  |                           |     | 153<br>299<br>304<br>305  | 143<br>329<br>336<br>336  |                           |     | 155<br>283<br>287<br>287 | 144<br>305<br>310<br>311  |                           | 152<br>257<br>260<br>261 |                           |
| 100 | - B<br>B2<br>BW | 151<br>402<br>415<br>416  | 113<br>520<br>549<br>531  |                         |     | 153<br>323<br>343<br>344 | 143<br>363<br>388<br>389  | 107<br>461<br>491<br>487  |     | 148<br>307<br>312<br>314  | 138<br>341<br>349<br>351  |                           |     | 145<br>290<br>294<br>296  | 135<br>318<br>327<br>327  |                           |     | 138<br>268<br>273<br>272 | 128<br>293<br>298<br>298  |                           | 136<br>247<br>250<br>251 |                           |
| 105 | - B<br>B2<br>BW | 106<br>476<br>512<br>488  | 113<br>495<br>532<br>510  |                         |     | 146<br>311<br>317<br>318 | 136<br>351<br>362<br>363  | 101<br>447<br>482<br>474  |     | 140<br>295<br>301<br>302  | 131<br>331<br>339<br>340  | 410                       |     | 137<br>281<br>285<br>286  | 128<br>310<br>318<br>318  |                           |     | 131<br>260<br>265<br>265 | 121<br>286<br>291<br>292  |                           | 128<br>242<br>245<br>245 |                           |
| 110 | - B<br>B2<br>BW | 101<br>457<br>491<br>467  | 95.2<br>439<br>471<br>448 |                         |     | 129<br>339<br>350<br>351 | 95.3<br>434<br>473<br>458 |                           |     | 133<br>284<br>289<br>290  | 124<br>320<br>329<br>330  | 90.7<br>403<br>422<br>422 |     | 130<br>272<br>276<br>278  | 122<br>301<br>308<br>310  |                           |     | 124<br>252<br>257<br>258 | 115<br>278<br>284<br>284  |                           | 122<br>236<br>240<br>240 |                           |
| 115 | - B<br>B2<br>BW | 95.2<br>439<br>471<br>448 | 123<br>323<br>330<br>331  | 90<br>421<br>460<br>441 |     | 127<br>273<br>278<br>279 | 118<br>309<br>319<br>320  | 85.6<br>394<br>416<br>416 |     | 124<br>262<br>267<br>268  | 115<br>293<br>299<br>301  |                           |     | 124<br>262<br>267<br>268  | 115<br>293<br>299<br>301  |                           |     | 118<br>245<br>249<br>251 | 109<br>271<br>277<br>278  |                           | 116<br>230<br>234<br>234 |                           |
| 120 | - B<br>B2<br>BW | 86.7<br>377<br>386        | 85.1<br>408<br>446<br>424 |                         |     | 121<br>263<br>268<br>270 | 112<br>299<br>309<br>310  | 80.8<br>383<br>409<br>410 |     | 118<br>253<br>257<br>258  | 110<br>285<br>291<br>293  |                           |     | 118<br>253<br>257<br>258  | 110<br>285<br>291<br>293  |                           |     | 112<br>238<br>242<br>243 | 103<br>264<br>270<br>271  |                           | 110<br>224<br>228<br>228 |                           |
| 125 | - B<br>B2<br>BW | 82.2<br>362<br>370        | 80.7<br>395<br>429<br>408 |                         |     | 116<br>254<br>259<br>261 | 107<br>289<br>298<br>299  | 76.5<br>374<br>402<br>399 |     | 113<br>244<br>248<br>249  | 105<br>276<br>283<br>285  | 74.1<br>348<br>362<br>361 |     | 106<br>231<br>235<br>236  | 98.3<br>257<br>263<br>264 | 66.7<br>307<br>316<br>316 |     |                          | 106<br>231<br>235<br>236  | 98.3<br>257<br>263<br>264 |                          | 105<br>218<br>221<br>222  |
| 130 | - B<br>B2<br>BW | 76.7<br>382<br>413<br>393 | 72.8<br>370<br>397<br>379 |                         |     | 103<br>272<br>278<br>280 | 72.6<br>363<br>394<br>386 |                           |     | 108<br>235<br>240<br>241  | 99.9<br>267<br>275<br>276 | 70.3<br>341<br>356<br>357 |     | 102<br>223<br>227<br>228  | 93.7<br>250<br>256<br>257 | 64<br>305<br>314<br>315   |     |                          | 102<br>223<br>227<br>228  | 93.7<br>250<br>256<br>257 |                          | 99.8<br>212<br>215<br>217 |
| 135 | - B<br>B2<br>BW | 43.4<br>342<br>370<br>349 | 40.5<br>330<br>356<br>336 |                         |     | 98.3<br>255<br>258       | 68.8<br>353<br>385<br>373 |                           |     | 101<br>228<br>232<br>233  | 95.4<br>258<br>267<br>268 | 66.6<br>333<br>350<br>352 |     | 96.9<br>215<br>220<br>221 | 89.3<br>244<br>249<br>251 | 60.5<br>302<br>311<br>312 |     |                          | 96.9<br>215<br>220<br>221 | 89.3<br>244<br>249<br>251 |                          | 95.2<br>206<br>209<br>211 |
| 140 | - B<br>B2<br>BW | 40.5<br>330<br>356<br>336 | 333<br>363<br>349         |                         |     | 62<br>333<br>363<br>349  |                           |                           |     | 87.3<br>242<br>249<br>250 | 60<br>317<br>332<br>339   |                           |     | 88.5<br>201<br>206<br>206 | 81.2<br>230<br>236<br>237 | 54<br>293<br>305<br>305   |     |                          | 88.5<br>201<br>206<br>206 | 81.2<br>230<br>236<br>237 |                          | 86.8<br>194<br>197<br>199 |
| 150 | - B<br>B2<br>BW |                           |                           |                         |     |                          |                           |                           |     |                           |                           |                           |     |                           |                           |                           |     |                          |                           |                           |                          |                           |

TAB 181391 / 181393 / 181397

HSDWB/B2/BW

HS 217

|  |                                                                                   |  |     |  |                           |  |     |  |                           |  |     | <div>550000 – 771000 lbs<br/>331000 – 550000 lbs<br/>0 – 331000 lbs<br/>0 lbs</div> |                           |                         |     |     |                           |                           |     |     |                           |                           |     |                   |                           |                           |                           |                           |                           |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----|-----------------------------------------------------------------------------------|---------------------------|-----------------------------------------------------------------------------------|-----|-----------------------------------------------------------------------------------|---------------------------|-----------------------------------------------------------------------------------|-----|-------------------------------------------------------------------------------------|---------------------------|-------------------------|-----|-----|---------------------------|---------------------------|-----|-----|---------------------------|---------------------------|-----|-------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|
| ft                                                                                |  | HS 217                                                                            |     |                                                                                   |                           |                                                                                   |     |                                                                                   |                           |                                                                                   |     |                                                                                     |                           |                         |     |     |                           |                           |     |     |                           |                           |     |                   |                           |                           |                           |                           |                           |
|                                                                                   |                                                                                   | W 79                                                                              |     |                                                                                   |                           | W 98                                                                              |     |                                                                                   |                           | W 118                                                                             |     |                                                                                     |                           | W 138                   |     |     |                           | W 157                     |     |     |                           | W 177                     |     |                   |                           |                           |                           |                           |                           |
|                                                                                   |                                                                                   | 87°                                                                               | 85° | 77°                                                                               | 67°                       | 87°                                                                               | 85° | 77°                                                                               | 67°                       | 87°                                                                               | 85° | 77°                                                                                 | 67°                       | 87°                     | 85° | 77° | 67°                       | 87°                       | 85° | 77° | 67°                       | 87°                       | 85° | 77°               | 67°                       |                           |                           |                           |                           |
| 160                                                                               | –<br>B<br>B2<br>BW                                                                |                                                                                   |     |                                                                                   | 35.6<br>308<br>333<br>313 |                                                                                   |     |                                                                                   | 31.1<br>303<br>328<br>309 |                                                                                   |     |                                                                                     | 56<br>312<br>333<br>322   |                         |     |     | 54<br>301<br>310<br>322   |                           |     |     | 81.1<br>188<br>192<br>192 |                           |     |                   | 79.4<br>182<br>185<br>186 | 72.6<br>207<br>207<br>213 | 46.8<br>252<br>259<br>259 |                           |                           |
| 170                                                                               | –<br>B<br>B2<br>BW                                                                |                                                                                   |     |                                                                                   | 31.1<br>287<br>311<br>292 |                                                                                   |     |                                                                                   | 27<br>284<br>307<br>289   |                                                                                   |     |                                                                                     | 50.7<br>286<br>289<br>287 | 23<br>278<br>303<br>284 |     |     |                           | 48.8<br>285<br>291<br>300 |     |     |                           | 74.7<br>176<br>177<br>178 |     |                   | 67.9<br>201<br>203<br>203 | 43<br>265<br>284<br>287   | 72.8<br>170<br>174<br>175 | 66.3<br>196<br>193<br>203 | 41.8<br>244<br>251<br>251 |
| 180                                                                               | –<br>B<br>B2<br>BW                                                                |                                                                                   |     |                                                                                   |                           |                                                                                   |     |                                                                                   | 23.4<br>267<br>289<br>271 |                                                                                   |     |                                                                                     | 19.8<br>263<br>285<br>268 |                         |     |     | 44.3<br>266<br>268<br>271 |                           |     |     | 62.9<br>166<br>167<br>167 |                           |     |                   | 38.6<br>248<br>267<br>269 | 67.2<br>161<br>164<br>164 | 60.9<br>184<br>180<br>190 | 37.4<br>235<br>241<br>242 |                           |
| 190                                                                               | –<br>B<br>B2<br>BW                                                                |                                                                                   |     |                                                                                   |                           |                                                                                   |     |                                                                                   |                           |                                                                                   |     |                                                                                     | 16.6<br>248<br>269<br>252 |                         |     |     | 14.8<br>246<br>267<br>251 |                           |     |     | 34.6<br>232<br>246<br>245 |                           |     |                   | 56.1<br>171<br>167<br>173 | 33.3<br>226<br>229<br>230 |                           |                           |                           |
| 200                                                                               | –<br>B<br>B2<br>BW                                                                |                                                                                   |     |                                                                                   |                           |                                                                                   |     |                                                                                   |                           |                                                                                   |     |                                                                                     | 234<br>254<br>238         |                         |     |     | 12.1<br>232<br>252<br>236 |                           |     |     | 31<br>214<br>220<br>218   |                           |     |                   | 227<br>247<br>231         |                           |                           | 29.7<br>215<br>216<br>217 |                           |
| 210                                                                               | –<br>B<br>B2<br>BW                                                                |                                                                                   |     |                                                                                   |                           |                                                                                   |     |                                                                                   |                           |                                                                                   |     |                                                                                     |                           |                         |     |     | 219<br>238<br>223         |                           |     |     |                           |                           |     | 214<br>233<br>218 |                           |                           | 26.4<br>203<br>205<br>206 | 212<br>232<br>217         |                           |
| 220                                                                               | –<br>B<br>B2<br>BW                                                                |                                                                                   |     |                                                                                   |                           |                                                                                   |     |                                                                                   |                           |                                                                                   |     |                                                                                     |                           |                         |     |     | 208<br>226<br>212         |                           |     |     |                           |                           |     | 203<br>221<br>207 |                           |                           | 23.5<br>183<br>185<br>185 | 201<br>220<br>206         |                           |
| 230                                                                               | –<br>B<br>B2<br>BW                                                                |                                                                                   |     |                                                                                   |                           |                                                                                   |     |                                                                                   |                           |                                                                                   |     |                                                                                     |                           |                         |     |     |                           |                           |     |     |                           |                           |     | 192<br>210<br>196 |                           |                           |                           | 190<br>209<br>195         |                           |
| 240                                                                               | –<br>B<br>B2<br>BW                                                                |                                                                                   |     |                                                                                   |                           |                                                                                   |     |                                                                                   |                           |                                                                                   |     |                                                                                     |                           |                         |     |     |                           |                           |     |     |                           |                           |     |                   | 182<br>200<br>187         |                           |                           |                           | 180<br>199<br>185         |
| 250                                                                               | –<br>B<br>B2<br>BW                                                                |                                                                                   |     |                                                                                   |                           |                                                                                   |     |                                                                                   |                           |                                                                                   |     |                                                                                     |                           |                         |     |     |                           |                           |     |     |                           |                           |     |                   |                           |                           |                           | 171<br>189<br>176         |                           |
| 260                                                                               | –<br>B<br>B2<br>BW                                                                |                                                                                   |     |                                                                                   |                           |                                                                                   |     |                                                                                   |                           |                                                                                   |     |                                                                                     |                           |                         |     |     |                           |                           |     |     |                           |                           |     |                   |                           |                           |                           | 163<br>181<br>167         |                           |

TAB 181391 / 181393 / 181397

TAB 181391 / 181393 / 181397

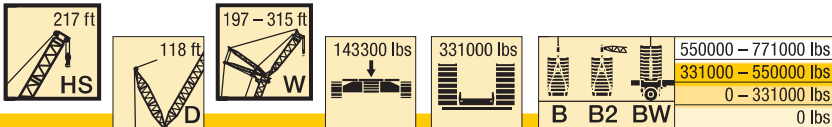
H





HSDWB/B2/BW

HS 217



| ft  |               | HS 217 |     |                   |                   |       |     |                    |                    |                   |                   |                   |                      |                      |                     |                   |                      |                      |                      |                   |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |  |
|-----|---------------|--------|-----|-------------------|-------------------|-------|-----|--------------------|--------------------|-------------------|-------------------|-------------------|----------------------|----------------------|---------------------|-------------------|----------------------|----------------------|----------------------|-------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|--|
|     |               | W 197  |     |                   |                   | W 217 |     |                    |                    | W 236             |                   |                   |                      | W 256                |                     |                   |                      | W 276                |                      |                   |                      | W 295                |                      |                      |                      | W 315                |                      |                      |                      |                      |                      |  |
|     |               | 87°    | 85° | 77°               | 67°               | 87°   | 85° | 77°                | 67°                | 87°               | 85°               | 77°               | 67°                  | 87°                  | 85°                 | 77°               | 67°                  | 87°                  | 85°                  | 77°               | 67°                  | 87°                  | 85°                  | 77°                  | 67°                  | 87°                  | 85°                  | 77°                  | 67°                  |                      |                      |  |
| 230 | B<br>B2<br>BW |        |     | 16<br>174<br>175  | 183<br>203<br>190 |       |     | 33.8<br>124<br>123 | 14.2<br>173<br>175 | 167<br>173<br>173 | 104<br>121<br>105 | 157<br>157<br>160 |                      | 33.5<br>99.4<br>101  | 28.5<br>116<br>118  | 9<br>137<br>140   |                      | 29.4<br>92.1<br>93.3 | 24.3<br>103<br>104   | 114<br>116<br>117 |                      | 26.2<br>84<br>85     | 21.1<br>90.4<br>91.6 | 96.8<br>98.4<br>98.4 |                      | 22.4<br>65.3<br>65.9 | 17.3<br>69.6<br>70.5 | 75<br>76<br>76       |                      |                      |                      |  |
| 240 | B<br>B2<br>BW |        |     | 157<br>156<br>157 | 175<br>194<br>180 |       |     | 11.8<br>163<br>164 | 26.5<br>166<br>174 | 153<br>166<br>177 | 141<br>145<br>145 |                   | 30.3<br>93.5<br>94.7 | 25.4<br>111<br>112   | 136<br>136<br>139   |                   | 26.2<br>87.4<br>88.9 | 21.3<br>99.8<br>101  | 113<br>113<br>116    |                   | 23<br>80.5<br>81.4   | 18.1<br>88.7<br>89.9 | 96.5<br>98<br>98.1   |                      | 19.2<br>63.3<br>63.9 | 14.3<br>67.5<br>68.6 | 74<br>75.2<br>75.3   |                      |                      |                      |                      |  |
| 250 | B<br>B2<br>BW |        |     | 166<br>185<br>171 |                   |       |     | 9.5<br>151<br>151  | 162<br>162<br>169  | 106<br>144<br>107 | 148<br>148<br>148 |                   | 27.3<br>87.4<br>88.6 | 22.6<br>105<br>106   | 121<br>138<br>124   |                   | 23.2<br>82.5<br>84.3 | 18.4<br>97.3<br>98.4 | 112<br>115<br>115    |                   | 20.1<br>76.3<br>77.5 | 15.3<br>86.8<br>88.3 | 96<br>97.6<br>97.7   |                      | 16.3<br>61.5<br>62.1 | 11.5<br>65.6<br>66.6 | 73.2<br>74.4<br>74.4 |                      |                      |                      |                      |  |
| 260 | B<br>B2<br>BW |        |     | 158<br>176<br>163 |                   |       |     | 7.5<br>135<br>136  | 155<br>173<br>161  | 85<br>137<br>85.3 | 139<br>150<br>140 | 143<br>151        |                      | 81.3<br>82.5<br>83.4 | 98.9<br>99.8<br>102 | 133<br>135<br>136 | 124<br>127<br>127    | 77<br>78.5<br>79     | 93.8<br>94.9<br>97.1 | 111<br>114<br>115 | 96<br>87.5<br>98.1   |                      | 72.1<br>73.6<br>73.9 | 85.3<br>86.7<br>87.6 | 95.4<br>97.2<br>97.3 |                      | 59.8<br>60.6<br>60.6 | 63.8<br>64.9<br>64.9 | 72.1<br>73.3<br>73.4 |                      |                      |  |
| 270 | B<br>B2<br>BW |        |     | 150<br>167<br>155 |                   |       |     | 148<br>166<br>153  |                    | 128<br>127<br>128 | 141<br>153<br>147 |                   |                      | 91.8<br>92.1<br>93.6 | 129<br>129<br>130   | 126<br>129<br>129 |                      | 71.5<br>72.7<br>73.1 | 88.3<br>90.4<br>91.9 | 110<br>113<br>113 | 98.4<br>101<br>100   |                      | 67.6<br>69.1<br>69.6 | 83.6<br>85<br>86.2   | 94.8<br>96.8<br>96.9 |                      | 58.2<br>59.1<br>59.1 | 62.3<br>63.4<br>63.4 | 70.8<br>72.2<br>72.3 |                      |                      |  |
| 280 | B<br>B2<br>BW |        |     | 143<br>154<br>147 |                   |       |     | 141<br>157<br>145  |                    | 115<br>115<br>115 | 136<br>151<br>141 |                   |                      | 122<br>121<br>122    | 127<br>131<br>131   |                   |                      | 15.8<br>65.8<br>66.8 | 11.3<br>82.3<br>85.1 | 109<br>111<br>110 | 100<br>103<br>103    |                      | 12.6<br>63<br>64.3   | 80.1<br>81.8<br>82.9 | 94.2<br>96.4<br>96.4 | 81.8<br>83.7<br>83.8 |                      | 56.3<br>57.2<br>57.1 | 60.9<br>71.2<br>71.2 | 69.7<br>60.8<br>60.8 |                      |  |
| 290 | B<br>B2<br>BW |        |     |                   |                   |       |     | 135<br>147<br>138  |                    |                   | 130<br>143<br>134 |                   |                      | 113<br>112<br>112    | 125<br>133<br>131   |                   |                      | 75.5<br>77.9<br>77.8 | 107<br>107<br>105    | 102<br>105<br>105 |                      |                      | 10.4<br>58.5<br>59.6 | 74.5<br>76.7<br>77.2 | 93.4<br>95.7<br>95.6 | 83.7<br>85.4<br>85.4 |                      | 53.5<br>54.6<br>54.5 | 59.6<br>60.6<br>60.6 | 68.7<br>70.1<br>70.1 | 60.8<br>61.7<br>61.8 |  |
| 300 | B<br>B2<br>BW |        |     |                   |                   |       |     | 128<br>137<br>132  |                    |                   | 124<br>134<br>128 |                   |                      | 102<br>101<br>101    | 121<br>131<br>127   |                   |                      | 61.5<br>62.3<br>61.7 | 103<br>103<br>99.5   | 104<br>106<br>106 |                      |                      | 8.5<br>54.3<br>55.3  | 68.8<br>71.6<br>71.5 | 92.6<br>94<br>93.3   | 85.2<br>87<br>87     |                      | 50.3<br>51.4<br>51.4 | 58.3<br>59.4<br>59.4 | 67.7<br>69.1<br>69   | 61.4<br>62.4<br>62.6 |  |
| 310 | B<br>B2<br>BW |        |     |                   |                   |       |     |                    |                    |                   | 118<br>125<br>123 |                   |                      |                      | 117<br>125<br>121   |                   |                      |                      | 95.7<br>95.7<br>93.7 | 104<br>107<br>107 |                      |                      | 63.2<br>65.6<br>65.5 | 91.8<br>92.3<br>91.1 | 86.4<br>88.4<br>88.5 |                      | 46.9<br>48.3<br>48.2 | 57.2<br>58.2<br>58.2 | 66.4<br>67.8<br>68   | 61.9<br>63<br>63.2   |                      |  |
| 320 | B<br>B2<br>BW |        |     |                   |                   |       |     |                    |                    |                   | 112<br>114<br>114 |                   |                      |                      | 111<br>118<br>116   |                   |                      |                      | 86.2<br>85.9<br>85.3 | 104<br>107<br>107 |                      |                      |                      | 87.7<br>87.8<br>86.9 | 87.7<br>89.8<br>89.9 |                      | 43.1<br>44.4<br>44.4 | 55.2<br>56.5<br>56.5 | 65.3<br>66.7<br>67.1 | 62.4<br>63.5<br>63.7 |                      |  |
| 330 | B<br>B2<br>BW |        |     |                   |                   |       |     |                    |                    |                   |                   |                   |                      | 106<br>110<br>110    |                     |                   |                      |                      |                      | 102<br>105<br>105 |                      |                      |                      | 80.8<br>80.4<br>80.6 | 89<br>91.3<br>91.2   |                      |                      | 50.9<br>52.3<br>52.5 | 64.5<br>65.8<br>66.3 | 62.7<br>64<br>64.1   |                      |  |
| 340 | B<br>B2<br>BW |        |     |                   |                   |       |     |                    |                    |                   |                   |                   |                      | 101<br>104<br>105    |                     |                   |                      |                      |                      |                   | 97.2<br>99.1<br>99.6 |                      |                      |                      | 73.4<br>72.6<br>73.3 | 90.5<br>92.8<br>92.5 |                      | 41.1<br>41<br>41.5   | 64<br>65.3<br>65.9   | 63<br>64.3<br>64.5   |                      |  |
| 350 | B<br>B2<br>BW |        |     |                   |                   |       |     |                    |                    |                   |                   |                   |                      |                      |                     |                   |                      |                      |                      |                   | 93.2<br>94.3<br>94.9 |                      |                      |                      | 88.1<br>89.6<br>89.3 |                      |                      |                      | 63.8<br>65<br>65.6   | 63.2<br>64.6<br>64.8 |                      |  |
| 360 | B<br>B2<br>BW |        |     |                   |                   |       |     |                    |                    |                   |                   |                   |                      |                      |                     |                   |                      |                      |                      |                   |                      |                      |                      | 86.3<br>86.3<br>86.7 |                      | 84.6<br>85.6<br>85.1 |                      |                      | 60<br>60.4<br>60.9   | 63.5<br>65<br>65.1   |                      |  |
| 370 | B<br>B2<br>BW |        |     |                   |                   |       |     |                    |                    |                   |                   |                   |                      |                      |                     |                   |                      |                      |                      |                   |                      |                      |                      |                      | 80.4<br>80.9<br>80.4 |                      |                      |                      |                      | 63.9<br>65.4<br>65.5 |                      |  |
| 380 | B<br>B2<br>BW |        |     |                   |                   |       |     |                    |                    |                   |                   |                   |                      |                      |                     |                   |                      |                      |                      |                   |                      |                      |                      |                      | 75.1<br>75.5<br>75.1 |                      |                      |                      |                      | 64.3<br>65.7<br>65.8 |                      |  |
| 390 | B<br>B2<br>BW |        |     |                   |                   |       |     |                    |                    |                   |                   |                   |                      |                      |                     |                   |                      |                      |                      |                   |                      |                      |                      |                      |                      |                      |                      |                      |                      | 64.5<br>64.4<br>65.6 |                      |  |
| 400 | B<br>B2<br>BW |        |     |                   |                   |       |     |                    |                    |                   |                   |                   |                      |                      |                     |                   |                      |                      |                      |                   |                      |                      |                      |                      |                      |                      |                      |                      |                      | 61.1<br>60.6<br>61.3 |                      |  |

TAB 181391 / 181393 / 181397

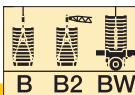
H





HSDWB/B2/BW

HS 236

|  |                                                                                   |  |     |  |                         |  |     |  |                           |  |     | <div>550000 – 771000 lbs<br/>331000 – 550000 lbs<br/>0 – 331000 lbs<br/>0 lbs</div> |                           |       |     |     |                           |       |     |                           |                           |                           |                   |                           |                           |                           |                   |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----|-----------------------------------------------------------------------------------|-------------------------|-----------------------------------------------------------------------------------|-----|-----------------------------------------------------------------------------------|---------------------------|-----------------------------------------------------------------------------------|-----|-------------------------------------------------------------------------------------|---------------------------|-------|-----|-----|---------------------------|-------|-----|---------------------------|---------------------------|---------------------------|-------------------|---------------------------|---------------------------|---------------------------|-------------------|
| ft                                                                                |  | HS 236                                                                            |     |                                                                                   |                         |                                                                                   |     |                                                                                   |                           |                                                                                   |     |                                                                                     |                           |       |     |     |                           |       |     |                           |                           |                           |                   |                           |                           |                           |                   |
|                                                                                   |                                                                                   | W 79                                                                              |     |                                                                                   |                         | W 98                                                                              |     |                                                                                   |                           | W 118                                                                             |     |                                                                                     |                           | W 138 |     |     |                           | W 157 |     |                           |                           | W 177                     |                   |                           |                           |                           |                   |
|                                                                                   |                                                                                   | 87°                                                                               | 85° | 77°                                                                               | 67°                     | 87°                                                                               | 85° | 77°                                                                               | 67°                       | 87°                                                                               | 85° | 77°                                                                                 | 67°                       | 87°   | 85° | 77° | 67°                       | 87°   | 85° | 77°                       | 67°                       | 87°                       | 85°               | 77°                       | 67°                       |                           |                   |
| 160                                                                               | –<br>B<br>B2<br>BW                                                                |                                                                                   |     |                                                                                   | 28<br>301<br>326<br>306 |                                                                                   |     |                                                                                   |                           |                                                                                   |     |                                                                                     | 51.2<br>286<br>307<br>312 |       |     |     | 47.7<br>277<br>287<br>287 |       |     | 79.5<br>173<br>173<br>177 | 72<br>199<br>204<br>205   | 43.8<br>254<br>262<br>262 |                   | 76.3<br>165<br>168<br>169 | 68.8<br>187<br>192<br>192 | 40.6<br>229<br>236<br>236 |                   |
| 170                                                                               | –<br>B<br>B2<br>BW                                                                |                                                                                   |     |                                                                                   | 24<br>282<br>305<br>287 |                                                                                   |     |                                                                                   | 19.7<br>276<br>300<br>282 |                                                                                   |     |                                                                                     | 46.1<br>268<br>288<br>299 |       |     |     | 42.8<br>264<br>275<br>276 |       |     | 73.1<br>163<br>160<br>167 | 65.8<br>188<br>192<br>194 | 38.9<br>246<br>253<br>253 |                   | 69.9<br>155<br>157<br>158 | 62.8<br>178<br>183<br>183 | 35.9<br>223<br>230<br>230 |                   |
| 180                                                                               | –<br>B<br>B2<br>BW                                                                |                                                                                   |     |                                                                                   |                         |                                                                                   |     |                                                                                   | 16.7<br>261<br>283<br>266 |                                                                                   |     |                                                                                     |                           |       |     |     | 38.5<br>248<br>265<br>265 |       |     |                           | 60.7<br>176<br>177<br>178 | 34.7<br>237<br>244<br>245 |                   | 64.4<br>146<br>146<br>149 | 57.5<br>169<br>174<br>174 | 31.8<br>217<br>223<br>224 |                   |
| 190                                                                               | –<br>B<br>B2<br>BW                                                                |                                                                                   |     |                                                                                   |                         |                                                                                   |     |                                                                                   |                           |                                                                                   |     |                                                                                     | 10.4<br>242<br>263<br>247 |       |     |     | 34.7<br>233<br>245<br>245 |       |     |                           | 30.9<br>226<br>237<br>234 |                           |                   | 59.7<br>134<br>133<br>136 | 52.8<br>160<br>164<br>165 | 28<br>211<br>216<br>217   |                   |
| 200                                                                               | –<br>B<br>B2<br>BW                                                                |                                                                                   |     |                                                                                   |                         |                                                                                   |     |                                                                                   |                           |                                                                                   |     |                                                                                     | 228<br>249<br>233         |       |     |     | 225<br>245<br>230         |       |     |                           | 27.4<br>214<br>226<br>220 | 217<br>241<br>225         |                   |                           |                           | 24.6<br>204<br>209<br>210 |                   |
| 210                                                                               | –<br>B<br>B2<br>BW                                                                |                                                                                   |     |                                                                                   |                         |                                                                                   |     |                                                                                   |                           |                                                                                   |     |                                                                                     |                           |       |     |     | 213<br>232<br>217         |       |     |                           |                           |                           | 209<br>229<br>213 |                           |                           | 21.5<br>196<br>202<br>202 | 197<br>217<br>210 |
| 220                                                                               | –<br>B<br>B2<br>BW                                                                |                                                                                   |     |                                                                                   |                         |                                                                                   |     |                                                                                   |                           |                                                                                   |     |                                                                                     |                           |       |     |     | 202<br>220<br>206         |       |     |                           |                           |                           | 197<br>217<br>203 |                           |                           | 18.8<br>185<br>190<br>190 | 190<br>212<br>199 |
| 230                                                                               | –<br>B<br>B2<br>BW                                                                |                                                                                   |     |                                                                                   |                         |                                                                                   |     |                                                                                   |                           |                                                                                   |     |                                                                                     |                           |       |     |     | 191<br>210<br>195         |       |     |                           |                           |                           | 187<br>206<br>192 |                           |                           | 170<br>171<br>171         | 182<br>203<br>189 |
| 240                                                                               | –<br>B<br>B2<br>BW                                                                |                                                                                   |     |                                                                                   |                         |                                                                                   |     |                                                                                   |                           |                                                                                   |     |                                                                                     |                           |       |     |     |                           |       |     |                           |                           |                           |                   | 177<br>196<br>182         |                           |                           | 174<br>193<br>179 |
| 250                                                                               | –<br>B<br>B2<br>BW                                                                |                                                                                   |     |                                                                                   |                         |                                                                                   |     |                                                                                   |                           |                                                                                   |     |                                                                                     |                           |       |     |     |                           |       |     |                           |                           |                           |                   |                           |                           |                           | 165<br>184<br>170 |
| 260                                                                               | –<br>B<br>B2<br>BW                                                                |                                                                                   |     |                                                                                   |                         |                                                                                   |     |                                                                                   |                           |                                                                                   |     |                                                                                     |                           |       |     |     |                           |       |     |                           |                           |                           |                   |                           |                           |                           | 157<br>175<br>161 |
| 270                                                                               | –<br>B<br>B2<br>BW                                                                |                                                                                   |     |                                                                                   |                         |                                                                                   |     |                                                                                   |                           |                                                                                   |     |                                                                                     |                           |       |     |     |                           |       |     |                           |                           |                           |                   |                           |                           |                           | 149<br>167<br>154 |

TAB 181391 / 181393 / 181399

TAB 181391 / 181393 / 181397

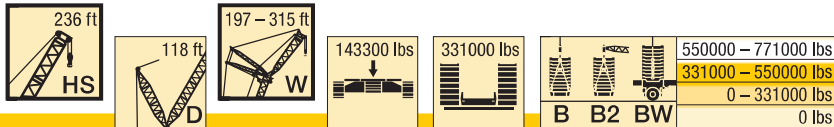
H





HSDWB/B2/BW

HS 236



| ft  |  | HS 236 |     |      |     |       |      |     |     |       |      |     |     |       |      |      |     |       |      |      |      |       |      |      |      |       |      |      |      |  |
|-----|-----------------------------------------------------------------------------------|--------|-----|------|-----|-------|------|-----|-----|-------|------|-----|-----|-------|------|------|-----|-------|------|------|------|-------|------|------|------|-------|------|------|------|--|
|     |                                                                                   | W 197  |     |      |     | W 217 |      |     |     | W 236 |      |     |     | W 256 |      |      |     | W 276 |      |      |      | W 295 |      |      |      | W 315 |      |      |      |  |
|     |                                                                                   | 87°    | 85° | 77°  | 67° | 87°   | 85°  | 77° | 67° | 87°   | 85°  | 77° | 67° | 87°   | 85°  | 77°  | 67° | 87°   | 85°  | 77°  | 67°  | 87°   | 85°  | 77°  | 67°  | 87°   | 85°  | 77°  | 67°  |  |
| 230 | -<br>B<br>B2<br>BW                                                                |        |     | 13.1 |     | 37    | 31.1 | 9.8 |     | 32.5  | 26.9 |     |     | 31.5  | 26   |      |     | 27.4  | 21.8 |      |      | 24.2  | 18.6 |      |      | 20.4  | 14.8 |      |      |  |
|     |                                                                                   |        |     | 171  | 171 | 95.4  | 117  | 157 |     | 92.7  | 110  | 141 |     |       | 90.4 | 105  | 127 |       | 83.7 | 94.2 | 106  |       | 76.4 | 83.8 | 90.5 |       | 60.5 | 64.8 | 69.9 |  |
|     |                                                                                   |        |     | 177  | 190 | 96.3  | 120  | 161 |     | 95.2  | 114  | 144 |     |       | 92.4 | 107  | 130 |       | 85.4 | 95.6 | 108  |       | 77.4 | 84.8 | 92.1 |       | 61   | 65.5 | 71   |  |
|     |                                                                                   |        |     | 176  | 184 | 97.4  | 121  | 161 |     | 95.3  | 114  | 145 |     |       | 92.6 | 107  | 130 |       | 85.6 | 95.9 | 108  |       | 77.5 | 85.2 | 92.2 |       | 61.2 | 65.6 | 71.1 |  |
| 240 | -<br>B<br>B2<br>BW                                                                |        |     | 10.8 |     |       |      |     |     | 29.5  | 24   |     |     | 28.4  | 23   |      |     | 24.3  | 18.9 |      |      | 21.1  | 15.7 |      |      | 17.3  | 11.9 |      |      |  |
|     |                                                                                   |        |     | 162  | 167 |       |      | 154 | 152 | 87.2  | 104  | 137 |     |       | 84.9 | 100  | 125 |       | 78.8 | 91.4 | 105  |       | 73.1 | 81.8 | 90.1 |       | 58.6 | 63.1 | 69.1 |  |
|     |                                                                                   |        |     | 167  | 188 |       |      | 158 | 161 | 89.5  | 108  | 141 |     |       | 86.9 | 103  | 128 |       | 80.7 | 93.2 | 108  |       | 74.2 | 83.2 | 91.8 |       | 59.2 | 63.8 | 70.3 |  |
|     |                                                                                   |        |     | 166  | 176 |       |      | 158 | 160 | 89.6  | 108  | 141 |     |       | 87.1 | 103  | 128 |       | 80.8 | 93.5 | 108  |       | 74.2 | 83.4 | 91.9 |       | 59.4 | 64   | 70.4 |  |
| 250 | -<br>B<br>B2<br>BW                                                                |        |     |      |     |       |      |     |     | 21.4  |      |     |     | 25.5  | 20.3 |      |     | 21.3  | 16.1 |      |      | 18.2  | 13   |      |      | 14.4  |      |      |      |  |
|     |                                                                                   |        |     |      | 161 |       |      | 150 | 150 | 79.1  | 95.8 | 122 |     |       | 74   | 88.5 | 105 |       | 69.2 | 79.4 | 89.8 |       | 65.4 | 79.4 | 89.8 |       | 56.8 | 61.4 | 68.4 |  |
|     |                                                                                   |        |     |      | 180 |       |      | 155 | 164 | 101   | 137  | 135 |     |       | 80.9 | 99.1 | 126 |       | 76.1 | 90.6 | 107  |       | 70.5 | 81.3 | 91.4 |       | 57.5 | 62   | 69.6 |  |
|     |                                                                                   |        |     |      | 167 |       |      | 155 | 161 | 101   | 139  | 135 |     |       | 81.3 | 99   | 126 |       | 76.1 | 91   | 107  |       | 70.4 | 81.3 | 91.6 |       | 57.8 | 62.3 | 69.6 |  |
| 260 | -<br>B<br>B2<br>BW                                                                |        |     |      |     |       |      |     |     | 19.1  |      |     |     | 22.9  | 17.8 |      |     | 18.7  | 13.7 |      |      | 15.6  | 10.6 |      |      | 11.8  |      |      |      |  |
|     |                                                                                   |        |     |      | 153 |       |      | 140 | 146 | 73.6  | 90.5 | 120 | 113 |       | 69.4 | 85.2 | 120 | 113   | 69.4 | 85.2 | 104  | 87.8  | 65.4 | 76.9 | 89.3 |       | 55.4 | 59.6 | 67.2 |  |
|     |                                                                                   |        |     |      | 172 |       |      | 142 | 164 | 88.7  | 132  | 138 |     |       | 75.3 | 93.6 | 123 | 110   | 71.2 | 87.7 | 106  | 82.1  | 66.8 | 79.1 | 90.9 |       | 56.1 | 60.4 | 68.7 |  |
|     |                                                                                   |        |     |      | 159 |       |      | 142 | 154 | 88.9  | 136  | 138 |     |       | 75.6 | 93.6 | 123 | 116   | 71.1 | 88.1 | 106  | 83.5  | 66.5 | 79   | 91.2 |       | 56.3 | 60.6 | 68.7 |  |
| 270 | -<br>B<br>B2<br>BW                                                                |        |     |      |     |       |      |     |     | 20.6  | 15.5 |     |     | 20.6  | 15.5 |      |     | 16.3  | 11.4 |      |      | 13.2  | 8.3  |      |      | 9.4   |      |      |      |  |
|     |                                                                                   |        |     |      | 146 |       |      | 123 | 141 | 67.9  | 84.7 | 118 | 115 |       | 64.8 | 80.4 | 103 | 90.1  | 61.4 | 74.3 | 88.6 |       | 62.7 | 76.9 | 90.5 |       | 54   | 58.2 | 66.3 |  |
|     |                                                                                   |        |     |      | 164 |       |      | 125 | 159 | 68.7  | 88.2 | 120 | 119 |       | 66.2 | 82.8 | 105 | 92    | 62.7 | 76.9 | 90.5 |       | 62.7 | 76.9 | 90.5 |       | 54.6 | 59   | 67.7 |  |
|     |                                                                                   |        |     |      | 151 |       |      | 125 | 147 | 69.2  | 88.1 | 121 | 119 |       | 66.1 | 83.2 | 105 | 92.2  | 62.5 | 76.8 | 90.7 |       | 62.5 | 76.8 | 90.7 |       | 54.8 | 59.2 | 67.7 |  |
| 280 | -<br>B<br>B2<br>BW                                                                |        |     |      |     |       |      |     |     |       |      |     |     |       |      |      |     | 14.1  | 9.2  |      |      | 10.9  |      |      |      |       |      |      |      |  |
|     |                                                                                   |        |     |      | 139 |       |      |     |     |       |      |     |     |       | 60.4 | 75.1 | 102 | 91.9  | 57.4 | 71   | 88.1 | 73.1  | 57.4 | 71   | 88.1 | 73.1  | 52.1 | 56.8 | 65.2 |  |
|     |                                                                                   |        |     |      | 156 |       |      |     | 136 |       |      |     |     |       | 61.6 | 77.4 | 104 | 94.1  | 58.5 | 73.7 | 90   | 74.8  | 57.4 | 71   | 88.1 | 73.1  | 52.7 | 57.6 | 66.7 |  |
|     |                                                                                   |        |     |      | 144 |       |      |     | 140 |       |      |     |     |       | 61.5 | 77.7 | 104 | 94.3  | 58.4 | 73.6 | 90.2 | 74.8  | 58.4 | 73.6 | 90.2 | 74.8  | 52.9 | 57.9 | 66.7 |  |
| 290 | -<br>B<br>B2<br>BW                                                                |        |     |      |     |       |      |     |     |       |      |     |     |       |      |      |     |       |      |      |      |       |      |      |      |       |      |      |      |  |
|     |                                                                                   |        |     |      |     |       |      |     |     |       |      |     |     |       |      |      |     |       |      |      |      |       |      |      |      |       |      |      |      |  |
|     |                                                                                   |        |     |      |     |       |      |     |     |       |      |     |     |       |      |      |     |       |      |      |      |       |      |      |      |       |      |      |      |  |
|     |                                                                                   |        |     |      |     |       |      |     |     |       |      |     |     |       |      |      |     |       |      |      |      |       |      |      |      |       |      |      |      |  |
| 300 | -<br>B<br>B2<br>BW                                                                |        |     |      |     |       |      |     |     |       |      |     |     |       |      |      |     |       |      |      |      |       |      |      |      |       |      |      |      |  |
|     |                                                                                   |        |     |      |     |       |      |     |     |       |      |     |     |       |      |      |     |       |      |      |      |       |      |      |      |       |      |      |      |  |
|     |                                                                                   |        |     |      |     |       |      |     |     |       |      |     |     |       |      |      |     |       |      |      |      |       |      |      |      |       |      |      |      |  |
|     |                                                                                   |        |     |      |     |       |      |     |     |       |      |     |     |       |      |      |     |       |      |      |      |       |      |      |      |       |      |      |      |  |
| 310 | -<br>B<br>B2<br>BW                                                                |        |     |      |     |       |      |     |     |       |      |     |     |       |      |      |     |       |      |      |      |       |      |      |      |       |      |      |      |  |
|     |                                                                                   |        |     |      |     |       |      |     |     |       |      |     |     |       |      |      |     |       |      |      |      |       |      |      |      |       |      |      |      |  |
|     |                                                                                   |        |     |      |     |       |      |     |     |       |      |     |     |       |      |      |     |       |      |      |      |       |      |      |      |       |      |      |      |  |
|     |                                                                                   |        |     |      |     |       |      |     |     |       |      |     |     |       |      |      |     |       |      |      |      |       |      |      |      |       |      |      |      |  |
| 320 | -<br>B<br>B2<br>BW                                                                |        |     |      |     |       |      |     |     |       |      |     |     |       |      |      |     |       |      |      |      |       |      |      |      |       |      |      |      |  |
|     |                                                                                   |        |     |      |     |       |      |     |     |       |      |     |     |       |      |      |     |       |      |      |      |       |      |      |      |       |      |      |      |  |
|     |                                                                                   |        |     |      |     |       |      |     |     |       |      |     |     |       |      |      |     |       |      |      |      |       |      |      |      |       |      |      |      |  |
|     |                                                                                   |        |     |      |     |       |      |     |     |       |      |     |     |       |      |      |     |       |      |      |      |       |      |      |      |       |      |      |      |  |
| 330 | -<br>B<br>B2<br>BW                                                                |        |     |      |     |       |      |     |     |       |      |     |     |       |      |      |     |       |      |      |      |       |      |      |      |       |      |      |      |  |
|     |                                                                                   |        |     |      |     |       |      |     |     |       |      |     |     |       |      |      |     |       |      |      |      |       |      |      |      |       |      |      |      |  |
|     |                                                                                   |        |     |      |     |       |      |     |     |       |      |     |     |       |      |      |     |       |      |      |      |       |      |      |      |       |      |      |      |  |
|     |                                                                                   |        |     |      |     |       |      |     |     |       |      |     |     |       |      |      |     |       |      |      |      |       |      |      |      |       |      |      |      |  |
| 340 | -<br>B<br>B2<br>BW                                                                |        |     |      |     |       |      |     |     |       |      |     |     |       |      |      |     |       |      |      |      |       |      |      |      | </    |      |      |      |  |

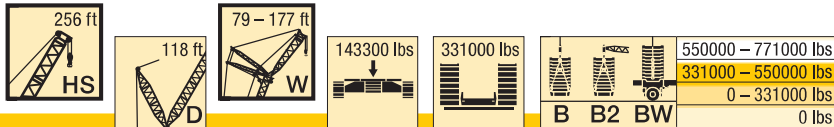
TAB 181391 / 181393 / 181397

H



HSDWB/B2/BW

HS 256



H

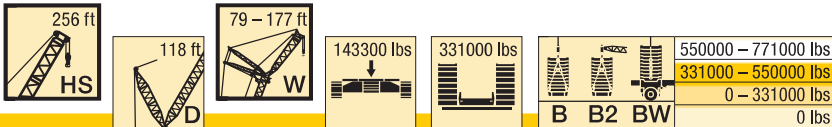
| ft  |                    | HS 256                   |                           |     |                   |                          |                           |      |                           |                           |                           |      |                           |                           |                           |      |                           |                           |                           |                           |      |                           |                           |                           |                           |  |
|-----|--------------------|--------------------------|---------------------------|-----|-------------------|--------------------------|---------------------------|------|---------------------------|---------------------------|---------------------------|------|---------------------------|---------------------------|---------------------------|------|---------------------------|---------------------------|---------------------------|---------------------------|------|---------------------------|---------------------------|---------------------------|---------------------------|--|
|     |                    | W 79                     |                           |     |                   | W 98                     |                           |      |                           | W 118                     |                           |      |                           | W 138                     |                           |      |                           | W 157                     |                           |                           |      | W 177                     |                           |                           |                           |  |
|     |                    | 87°                      | 85°                       | 77° | 67°               | 87°                      | 85°                       | 77°  | 67°                       | 87°                       | 85°                       | 77°  | 67°                       | 87°                       | 85°                       | 77°  | 67°                       | 87°                       | 85°                       | 77°                       | 67°  | 87°                       | 85°                       | 77°                       | 67°                       |  |
| 55  | -<br>B<br>B2<br>BW | 291<br>411<br>414<br>414 |                           |     |                   | 281<br>368<br>371<br>371 |                           |      |                           |                           |                           |      |                           |                           |                           |      |                           |                           |                           |                           |      |                           |                           |                           |                           |  |
| 60  | -<br>B<br>B2<br>BW | 268<br>398<br>400<br>401 | 250<br>424<br>429<br>430  |     |                   | 259<br>358<br>361<br>361 |                           |      |                           | 249<br>320<br>322<br>322  |                           |      |                           |                           |                           |      |                           |                           |                           |                           |      |                           |                           |                           |                           |  |
| 65  | -<br>B<br>B2<br>BW | 248<br>385<br>387<br>388 | 231<br>413<br>417<br>417  |     |                   | 239<br>347<br>349<br>350 | 221<br>369<br>372<br>372  |      |                           | 230<br>312<br>314<br>314  |                           |      |                           | 223<br>280<br>281<br>282  |                           |      |                           | 249<br>250<br>250         |                           |                           |      |                           |                           |                           |                           |  |
| 70  | -<br>B<br>B2<br>BW | 231<br>372<br>374<br>375 | 215<br>400<br>404<br>405  |     |                   | 223<br>337<br>338<br>339 | 207<br>360<br>363<br>364  |      |                           | 214<br>303<br>305<br>306  |                           |      |                           | 209<br>274<br>276<br>276  |                           |      |                           | 194<br>245<br>246<br>246  |                           |                           |      |                           |                           |                           |                           |  |
| 75  | -<br>B<br>B2<br>BW | 215<br>358<br>362<br>363 | 200<br>388<br>391<br>393  |     |                   | 208<br>327<br>328<br>329 | 193<br>351<br>354<br>353  |      |                           | 200<br>295<br>296<br>297  | 185<br>314<br>317<br>317  |      |                           | 196<br>268<br>270<br>270  |                           |      |                           | 187<br>240<br>241<br>241  |                           |                           |      | 184<br>216<br>217<br>217  |                           |                           |                           |  |
| 80  | -<br>B<br>B2<br>BW | 201<br>346<br>350<br>351 | 187<br>376<br>379<br>380  |     |                   | 195<br>316<br>318<br>319 | 180<br>341<br>344<br>343  |      |                           | 187<br>286<br>288<br>289  | 173<br>307<br>309<br>309  |      |                           | 183<br>262<br>263<br>263  | 169<br>277<br>279<br>279  |      |                           | 175<br>235<br>236<br>236  |                           |                           |      | 172<br>212<br>213<br>213  |                           |                           |                           |  |
| 85  | -<br>B<br>B2<br>BW | 189<br>333<br>337<br>338 | 175<br>364<br>367<br>367  |     |                   | 183<br>306<br>308<br>309 | 169<br>330<br>334<br>333  |      |                           | 175<br>279<br>290<br>280  | 162<br>299<br>301<br>302  |      |                           | 172<br>254<br>256<br>256  | 158<br>272<br>273<br>274  |      |                           | 164<br>230<br>230<br>231  | 150<br>242<br>243<br>244  |                           |      | 161<br>209<br>209<br>210  | 217<br>219<br>219         |                           |                           |  |
| 90  | -<br>B<br>B2<br>BW | 178<br>320<br>325<br>325 | 165<br>353<br>355<br>356  |     |                   | 172<br>297<br>299<br>299 | 159<br>321<br>323<br>324  |      |                           | 165<br>271<br>271<br>272  | 152<br>291<br>294<br>294  |      |                           | 162<br>248<br>249<br>250  | 149<br>265<br>267<br>268  |      |                           | 154<br>223<br>225<br>225  | 142<br>238<br>239<br>239  |                           |      | 152<br>204<br>205<br>205  | 136<br>214<br>215<br>216  |                           |                           |  |
| 95  | -<br>B<br>B2<br>BW | 169<br>309<br>314<br>314 | 156<br>341<br>347<br>348  |     |                   | 162<br>287<br>290<br>290 | 150<br>312<br>313<br>315  |      |                           | 156<br>263<br>264<br>265  | 143<br>283<br>286<br>287  |      |                           | 153<br>242<br>242<br>243  | 140<br>260<br>261<br>262  |      |                           | 146<br>218<br>220<br>220  | 133<br>233<br>234<br>235  |                           |      | 143<br>200<br>201<br>201  | 131<br>211<br>212<br>212  |                           |                           |  |
| 100 | -<br>B<br>B2<br>BW | 147<br>333<br>340<br>341 |                           |     |                   | 154<br>276<br>281<br>281 | 142<br>303<br>304<br>305  |      |                           | 147<br>256<br>257<br>257  | 135<br>276<br>278<br>279  |      |                           | 144<br>236<br>236<br>237  | 132<br>254<br>255<br>256  |      |                           | 137<br>213<br>214<br>215  | 126<br>228<br>230<br>230  |                           |      | 135<br>196<br>197<br>197  | 123<br>207<br>208<br>209  |                           |                           |  |
| 105 | -<br>B<br>B2<br>BW |                          | 96.6<br>390<br>398<br>399 |     |                   | 145<br>267<br>271<br>271 | 134<br>294<br>296<br>297  |      |                           | 139<br>249<br>250<br>250  | 128<br>269<br>270<br>271  |      |                           | 136<br>230<br>230<br>231  | 125<br>248<br>249<br>249  |      |                           | 130<br>208<br>209<br>209  | 118<br>224<br>225<br>225  |                           |      | 128<br>191<br>192<br>192  | 117<br>204<br>205<br>205  |                           |                           |  |
| 110 | -<br>B<br>B2<br>BW |                          | 91.1<br>381<br>388<br>390 |     |                   | 138<br>258<br>263<br>263 | 127<br>287<br>290<br>291  |      |                           | 132<br>241<br>243<br>243  | 121<br>262<br>263<br>264  |      |                           | 130<br>224<br>224<br>225  | 119<br>241<br>243<br>243  |      |                           | 123<br>203<br>204<br>205  | 112<br>219<br>220<br>220  |                           |      | 121<br>187<br>188<br>188  | 110<br>200<br>201<br>201  |                           |                           |  |
| 115 | -<br>B<br>B2<br>BW |                          | 86<br>372<br>380<br>381   |     |                   | 132<br>251<br>255<br>255 | 121<br>280<br>284<br>285  |      |                           | 126<br>233<br>236<br>236  | 115<br>255<br>256<br>257  |      |                           | 123<br>219<br>219<br>220  | 113<br>235<br>237<br>237  |      |                           | 117<br>199<br>199<br>200  | 106<br>214<br>215<br>215  |                           |      | 115<br>183<br>184<br>184  | 105<br>196<br>197<br>197  |                           |                           |  |
| 120 | -<br>B<br>B2<br>BW |                          | 81.2<br>363<br>371<br>372 |     |                   |                          | 115<br>330<br>335<br>336  | 76.5 |                           | 119<br>225<br>229<br>229  | 109<br>249<br>250<br>250  |      |                           | 117<br>213<br>213<br>214  | 107<br>229<br>231<br>231  |      |                           | 111<br>194<br>194<br>195  | 101<br>209<br>210<br>210  |                           |      | 109<br>179<br>180<br>180  | 99.1<br>192<br>193<br>193 |                           |                           |  |
| 125 | -<br>B<br>B2<br>BW |                          | 76.8<br>354<br>360<br>362 |     |                   |                          | 72.3<br>322<br>328<br>329 |      |                           | 114<br>218<br>222<br>222  | 104<br>243<br>245<br>246  | 66.5 |                           | 111<br>207<br>207<br>208  | 102<br>224<br>224<br>225  |      |                           | 105<br>190<br>189<br>190  | 95.4<br>204<br>205<br>206 |                           |      | 104<br>175<br>176<br>176  | 94<br>189<br>189<br>190   |                           |                           |  |
| 130 | -<br>B<br>B2<br>BW |                          | 72.7<br>346<br>350<br>353 |     |                   |                          | 68.3<br>315<br>321<br>322 |      |                           | 109<br>211<br>215<br>215  | 98.8<br>238<br>241<br>242 | 62.7 |                           | 106<br>200<br>202<br>202  | 96.8<br>218<br>219<br>220 | 59.7 |                           | 100<br>185<br>185<br>186  | 90.7<br>199<br>200<br>201 |                           |      | 98.9<br>171<br>172<br>172 | 89.4<br>185<br>185<br>185 |                           |                           |  |
| 135 | -<br>B<br>B2<br>BW |                          | 68.9<br>340<br>344<br>344 |     |                   |                          | 64.8<br>308<br>313<br>313 |      |                           |                           | 94.4<br>232<br>236<br>236 | 59.3 |                           | 102<br>194<br>197<br>197  | 92.4<br>214<br>215<br>216 | 57.3 |                           | 95.7<br>180<br>181<br>181 | 86.4<br>195<br>195<br>196 |                           |      | 94.4<br>168<br>168<br>168 | 85.2<br>181<br>181<br>182 |                           |                           |  |
| 140 | -<br>B<br>B2<br>BW |                          | 65.3<br>334<br>338<br>335 |     |                   |                          | 61.3<br>300<br>305<br>305 |      |                           | 90.3<br>225<br>230<br>231 | 56<br>274<br>278<br>279   |      |                           | 97.3<br>188<br>191<br>191 | 88.2<br>210<br>211<br>212 | 54.1 |                           | 91.3<br>175<br>176<br>177 | 82.3<br>190<br>191<br>192 | 45.3                      |      | 90<br>164<br>164<br>165   | 81.1<br>177<br>178<br>178 | 196<br>200<br>200         |                           |  |
| 150 | -<br>B<br>B2<br>BW |                          |                           |     |                   |                          | 55.1<br>290<br>289<br>294 |      |                           |                           | 50<br>263<br>266<br>267   |      |                           | 89.3<br>178<br>181<br>181 | 80.6<br>200<br>204<br>204 | 48.3 |                           | 83.3<br>165<br>168<br>168 | 74.8<br>183<br>183<br>184 | 42.4                      |      | 82.1<br>157<br>157<br>157 | 73.6<br>169<br>170<br>170 | 41.3<br>195<br>198<br>198 |                           |  |
| 160 | -<br>B<br>B2<br>BW |                          |                           |     |                   |                          |                           |      |                           |                           | 44.6<br>252<br>255<br>257 |      |                           |                           | 43.1<br>233<br>235<br>236 |      |                           | 76.2<br>157<br>159<br>159 | 68<br>176<br>177<br>177   | 37.3                      |      | 75<br>149<br>150<br>150   | 67<br>162<br>163<br>164   | 36.3<br>191<br>194<br>194 |                           |  |
| 170 | -<br>B<br>B2<br>BW |                          |                           |     | 274<br>297<br>279 |                          |                           |      | 12.6<br>270<br>293<br>275 |                           |                           |      | 39.9<br>248<br>247<br>251 |                           |                           |      | 38.4<br>223<br>225<br>227 |                           | 70.1<br>148<br>150<br>150 | 62.1<br>168<br>171<br>171 | 32.8 |                           | 68.8<br>141<br>143<br>143 | 61.1<br>157<br>158<br>158 | 31.9<br>186<br>189<br>189 |  |

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HSDWB/B2/BW

HS 256



| ft  |                    |  | HS 256 |     |                   |     |      |     |                          |     |       |     |                           |     |       |     |                           |     |       |     |                           |                           |       |                           |                           |                           |                   |
|-----|--------------------|-----------------------------------------------------------------------------------|--------|-----|-------------------|-----|------|-----|--------------------------|-----|-------|-----|---------------------------|-----|-------|-----|---------------------------|-----|-------|-----|---------------------------|---------------------------|-------|---------------------------|---------------------------|---------------------------|-------------------|
|     |                    |                                                                                   | W 79   |     |                   |     | W 98 |     |                          |     | W 118 |     |                           |     | W 138 |     |                           |     | W 157 |     |                           |                           | W 177 |                           |                           |                           |                   |
|     |                    |                                                                                   | 87°    | 85° | 77°               | 67° | 87°  | 85° | 77°                      | 67° | 87°   | 85° | 77°                       | 67° | 87°   | 85° | 77°                       | 67° | 87°   | 85° | 77°                       | 67°                       | 87°   | 85°                       | 77°                       | 67°                       |                   |
| 180 | -<br>B<br>B2<br>BW |                                                                                   |        |     | 258<br>281<br>263 |     |      |     | 9.9<br>255<br>277<br>259 |     |       |     | 35.7<br>237<br>232<br>239 |     |       |     | 34.4<br>215<br>216<br>217 |     |       |     | 57.1<br>160<br>164<br>164 | 28.9<br>196<br>198<br>199 |       | 63.3<br>134<br>136<br>136 | 55.9<br>152<br>153<br>153 | 28<br>180<br>182<br>183   |                   |
| 190 | -<br>B<br>B2<br>BW |                                                                                   |        |     |                   |     |      |     | 240<br>261<br>244        |     |       |     | 235<br>255<br>240         |     |       |     | 30.7<br>209<br>209<br>211 |     |       |     | 25.3<br>190<br>191<br>191 |                           |       | 58.5<br>127<br>128<br>128 | 51.3<br>145<br>147<br>148 | 24.5<br>175<br>176<br>177 |                   |
| 200 | -<br>B<br>B2<br>BW |                                                                                   |        |     |                   |     |      |     |                          |     |       |     | 222<br>242<br>226         |     |       |     | 215<br>230<br>224         |     |       |     | 22<br>184<br>187<br>184   |                           |       |                           |                           | 21.3<br>169<br>171<br>171 |                   |
| 210 | -<br>B<br>B2<br>BW |                                                                                   |        |     |                   |     |      |     |                          |     |       |     | 209<br>229<br>213         |     |       |     | 207<br>226<br>212         |     |       |     | 180<br>182<br>178         | 192<br>200<br>200         |       |                           |                           | 18.3<br>164<br>166<br>166 |                   |
| 220 | -<br>B<br>B2<br>BW |                                                                                   |        |     |                   |     |      |     |                          |     |       |     | 197<br>217<br>203         |     |       |     | 196<br>215<br>201         |     |       |     | 168<br>169<br>166         | 186<br>197<br>194         |       |                           |                           | 15.7<br>162<br>164<br>164 | 169<br>175<br>175 |
| 230 | -<br>B<br>B2<br>BW |                                                                                   |        |     |                   |     |      |     |                          |     |       |     |                           |     |       |     | 185<br>205<br>191         |     |       |     |                           | 179<br>193<br>185         |       |                           |                           | 13.3<br>157<br>158<br>157 | 167<br>174<br>174 |
| 240 | -<br>B<br>B2<br>BW |                                                                                   |        |     |                   |     |      |     |                          |     |       |     |                           |     |       |     |                           |     |       |     |                           | 170<br>187<br>175         |       |                           |                           |                           | 164<br>172<br>171 |
| 250 | -<br>B<br>B2<br>BW |                                                                                   |        |     |                   |     |      |     |                          |     |       |     |                           |     |       |     |                           |     |       |     |                           | 162<br>180<br>166         |       |                           |                           |                           | 159<br>168<br>165 |
| 260 | -<br>B<br>B2<br>BW |                                                                                   |        |     |                   |     |      |     |                          |     |       |     |                           |     |       |     |                           |     |       |     |                           | 154<br>171<br>158         |       |                           |                           |                           | 152<br>165<br>157 |
| 270 | -<br>B<br>B2<br>BW |                                                                                   |        |     |                   |     |      |     |                          |     |       |     |                           |     |       |     |                           |     |       |     |                           |                           |       |                           |                           |                           | 145<br>160<br>149 |

TAB 181391 / 181393 / 181397

H



# HS 256

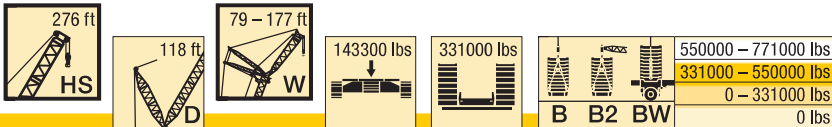






HSDWB/B2/BW

HS 276



| ft  |  | HS 276 |     |     |                   |      |     |                   |     |       |                           |                   |     |       |                           |                   |     |                           |                           |                   |                           |                           |                           |                   |                   |
|-----|-----------------------------------------------------------------------------------|--------|-----|-----|-------------------|------|-----|-------------------|-----|-------|---------------------------|-------------------|-----|-------|---------------------------|-------------------|-----|---------------------------|---------------------------|-------------------|---------------------------|---------------------------|---------------------------|-------------------|-------------------|
|     |                                                                                   | W 79   |     |     |                   | W 98 |     |                   |     | W 118 |                           |                   |     | W 138 |                           |                   |     | W 157                     |                           |                   |                           | W 177                     |                           |                   |                   |
|     |                                                                                   | 87°    | 85° | 77° | 67°               | 87°  | 85° | 77°               | 67° | 87°   | 85°                       | 77°               | 67° | 87°   | 85°                       | 77°               | 67° | 87°                       | 85°                       | 77°               | 67°                       | 87°                       | 85°                       | 77°               | 67°               |
| 180 | -<br>B<br>B2<br>BW                                                                |        |     |     | 252<br>274<br>257 |      |     |                   |     |       | 30.9<br>219<br>231<br>231 |                   |     |       | 28<br>205<br>216<br>216   |                   |     | 54.9<br>148<br>151<br>152 | 24.5<br>191<br>198<br>198 |                   | 60.2<br>121<br>123<br>124 | 52.1<br>140<br>142<br>143 | 21.7<br>174<br>180<br>180 |                   |                   |
| 190 | -<br>B<br>B2<br>BW                                                                |        |     |     |                   |      |     | 232<br>254<br>237 |     |       |                           |                   |     |       | 24.5<br>197<br>208<br>208 |                   |     |                           | 21.2<br>184<br>191<br>192 |                   | 55.5<br>115<br>117<br>117 | 47.6<br>133<br>136<br>136 | 18.5<br>170<br>175<br>176 |                   |                   |
| 200 | -<br>B<br>B2<br>BW                                                                |        |     |     |                   |      |     | 219<br>239<br>223 |     |       |                           | 212<br>231<br>220 |     |       |                           |                   |     |                           | 18.1<br>175<br>184<br>184 |                   |                           |                           | 15.5<br>165<br>171<br>171 |                   |                   |
| 210 | -<br>B<br>B2<br>BW                                                                |        |     |     |                   |      |     |                   |     |       |                           | 203<br>223<br>208 |     |       |                           | 193<br>205<br>204 |     |                           | 166<br>176<br>176         |                   |                           |                           | 12.8<br>160<br>166<br>166 |                   |                   |
| 220 | -<br>B<br>B2<br>BW                                                                |        |     |     |                   |      |     |                   |     |       |                           | 192<br>212<br>197 |     |       |                           | 186<br>201<br>194 |     |                           | 164<br>171<br>174         | 170<br>179<br>180 |                           |                           | 10.4<br>152<br>159<br>159 | 150<br>142<br>156 |                   |
| 230 | -<br>B<br>B2<br>BW                                                                |        |     |     |                   |      |     |                   |     |       |                           |                   |     |       |                           | 178<br>195<br>184 |     |                           |                           | 167<br>177<br>177 |                           |                           | 8.1<br>144<br>155<br>155  | 150<br>158<br>158 |                   |
| 240 | -<br>B<br>B2<br>BW                                                                |        |     |     |                   |      |     |                   |     |       |                           |                   |     |       |                           | 169<br>188<br>174 |     |                           |                           | 163<br>174<br>170 |                           |                           |                           | 149<br>157<br>157 |                   |
| 250 | -<br>B<br>B2<br>BW                                                                |        |     |     |                   |      |     |                   |     |       |                           |                   |     |       |                           |                   |     |                           |                           | 156<br>171<br>162 |                           |                           |                           | 147<br>155<br>155 |                   |
| 260 | -<br>B<br>B2<br>BW                                                                |        |     |     |                   |      |     |                   |     |       |                           |                   |     |       |                           |                   |     |                           |                           |                   | 148<br>166<br>154         |                           |                           |                   | 143<br>153<br>150 |
| 270 | -<br>B<br>B2<br>BW                                                                |        |     |     |                   |      |     |                   |     |       |                           |                   |     |       |                           |                   |     |                           |                           |                   |                           |                           |                           |                   | 138<br>150<br>143 |
| 280 | -<br>B<br>B2<br>BW                                                                |        |     |     |                   |      |     |                   |     |       |                           |                   |     |       |                           |                   |     |                           |                           |                   |                           |                           |                           |                   | 132<br>146<br>136 |

TAB 181391 / 181393 / 181399

TAB 181391 / 181393 / 181397

H



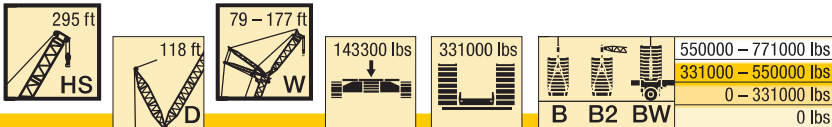






HSDWB/B2/BW

HS 295



| ft  |                    |  | HS 295 |     |                   |     |      |                   |     |     |                           |                   |     |     |                           |                   |     |     |                           |                           |                   |     |                           |                           |                           |     |
|-----|--------------------|-----------------------------------------------------------------------------------|--------|-----|-------------------|-----|------|-------------------|-----|-----|---------------------------|-------------------|-----|-----|---------------------------|-------------------|-----|-----|---------------------------|---------------------------|-------------------|-----|---------------------------|---------------------------|---------------------------|-----|
|     |                    |                                                                                   | W 79   |     |                   |     | W 98 |                   |     |     | W 118                     |                   |     |     | W 138                     |                   |     |     | W 157                     |                           |                   |     | W 177                     |                           |                           |     |
|     |                    |                                                                                   | 87°    | 85° | 77°               | 67° | 87°  | 85°               | 77° | 67° | 87°                       | 85°               | 77° | 67° | 87°                       | 85°               | 77° | 67° | 87°                       | 85°                       | 77°               | 67° | 87°                       | 85°                       | 77°                       | 67° |
| 180 | —<br>B<br>B2<br>BW |                                                                                   |        |     |                   |     |      |                   |     |     | 23.9<br>209<br>223<br>224 |                   |     |     | 23<br>197<br>209<br>209   |                   |     |     | 50.9<br>136<br>138<br>139 | 17.6<br>181<br>189<br>189 |                   |     | 57<br>111<br>112<br>113   | 48.2<br>128<br>130<br>130 | 14.8<br>165<br>170<br>170 |     |
| 190 | —<br>B<br>B2<br>BW |                                                                                   |        |     | 228<br>250<br>233 |     |      |                   |     |     |                           |                   |     |     | 19.8<br>190<br>201<br>202 |                   |     |     |                           | 14.6<br>175<br>184<br>184 |                   |     | 52.5<br>106<br>107<br>107 | 43.9<br>122<br>124<br>125 | 11.9<br>161<br>167<br>167 |     |
| 200 | —<br>B<br>B2<br>BW |                                                                                   |        |     |                   |     |      | 210<br>232<br>217 |     |     |                           | 196<br>226<br>212 |     |     | 183<br>194<br>194         |                   |     |     |                           | 11.8<br>168<br>179<br>179 |                   |     |                           | 40<br>116<br>119<br>119   | 9.2<br>157<br>163<br>164  |     |
| 210 | —<br>B<br>B2<br>BW |                                                                                   |        |     |                   |     |      |                   |     |     | 190<br>215<br>200         |                   |     |     |                           | 178<br>202<br>198 |     |     |                           | 161<br>173<br>173         |                   |     |                           |                           | 151<br>159<br>160         |     |
| 220 | —<br>B<br>B2<br>BW |                                                                                   |        |     |                   |     |      |                   |     |     | 182<br>204<br>189         |                   |     |     |                           | 173<br>199<br>187 |     |     |                           | 156<br>165<br>167         | 157<br>165<br>175 |     |                           |                           | 145<br>155<br>155         |     |
| 230 | —<br>B<br>B2<br>BW |                                                                                   |        |     |                   |     |      |                   |     |     | 173<br>192<br>179         |                   |     |     |                           | 167<br>192<br>177 |     |     |                           |                           | 154<br>175<br>170 |     |                           |                           | 140<br>150<br>150         |     |
| 240 | —<br>B<br>B2<br>BW |                                                                                   |        |     |                   |     |      |                   |     |     |                           |                   |     |     |                           | 161<br>182<br>168 |     |     |                           |                           | 150<br>173<br>162 |     |                           | 136<br>144<br>146         | 138<br>153<br>152         |     |
| 250 | —<br>B<br>B2<br>BW |                                                                                   |        |     |                   |     |      |                   |     |     |                           |                   |     |     |                           |                   |     |     |                           |                           | 144<br>167<br>154 |     |                           |                           | 136<br>153<br>150         |     |
| 260 | —<br>B<br>B2<br>BW |                                                                                   |        |     |                   |     |      |                   |     |     |                           |                   |     |     |                           |                   |     |     |                           |                           | 139<br>159<br>146 |     |                           |                           | 132<br>152<br>143         |     |
| 270 | —<br>B<br>B2<br>BW |                                                                                   |        |     |                   |     |      |                   |     |     |                           |                   |     |     |                           |                   |     |     |                           |                           | 134<br>151<br>139 |     |                           |                           | 127<br>147<br>136         |     |
| 280 | —<br>B<br>B2<br>BW |                                                                                   |        |     |                   |     |      |                   |     |     |                           |                   |     |     |                           |                   |     |     |                           |                           |                   |     |                           |                           | 123<br>141<br>130         |     |

TAB 181391 / 181393 / 181399

TAB 181391 / 181393 / 181397

H



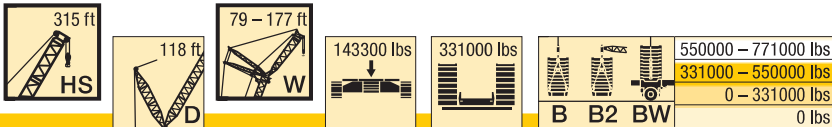






HSDWB/B2/BW

HS 315



| ft  |  | HS 315 |     |     |                   |      |     |     |                   |       |                           |                   |                   |       |                           |                   |     |                           |                           |                   |                   |                              |                           |                           |                   |                   |
|-----|-----------------------------------------------------------------------------------|--------|-----|-----|-------------------|------|-----|-----|-------------------|-------|---------------------------|-------------------|-------------------|-------|---------------------------|-------------------|-----|---------------------------|---------------------------|-------------------|-------------------|------------------------------|---------------------------|---------------------------|-------------------|-------------------|
|     |                                                                                   | W 79   |     |     |                   | W 98 |     |     |                   | W 118 |                           |                   |                   | W 138 |                           |                   |     | W 157                     |                           |                   |                   | W 177                        |                           |                           |                   |                   |
|     |                                                                                   | 87°    | 85° | 77° | 67°               | 87°  | 85° | 77° | 67°               | 87°   | 85°                       | 77°               | 67°               | 87°   | 85°                       | 77°               | 67° | 87°                       | 85°                       | 77°               | 67°               | 87°                          | 85°                       | 77°                       | 67°               |                   |
| 180 | -<br>B<br>B2<br>BW                                                                |        |     |     |                   |      |     |     |                   |       | 19.8<br>191<br>193<br>194 |                   |                   |       | 17<br>177<br>175<br>176   |                   |     | 47.3<br>122<br>121<br>121 | 11.6<br>159<br>158<br>159 |                   |                   | 56.3<br>102<br>100<br>101    | 46.8<br>114<br>111<br>111 | 11.2<br>146<br>144<br>144 |                   |                   |
| 190 | -<br>B<br>B2<br>BW                                                                |        |     |     | 216<br>242<br>227 |      |     |     |                   |       | 184<br>188<br>188         |                   |                   |       | 14.1<br>171<br>169<br>170 |                   |     |                           | 8.8<br>155<br>153<br>154  |                   |                   | 51.7<br>96.8<br>95.7<br>96.4 | 42.6<br>110<br>107<br>107 | 8.5<br>142<br>140<br>140  |                   |                   |
| 200 | -<br>B<br>B2<br>BW                                                                |        |     |     | 206<br>227<br>214 |      |     |     | 193<br>222<br>209 |       |                           |                   |                   |       | 165<br>164<br>165         |                   |     |                           | 151<br>149<br>149         |                   |                   |                              | 38.7<br>105<br>103<br>103 | 138<br>136<br>136         |                   |                   |
| 210 | -<br>B<br>B2<br>BW                                                                |        |     |     |                   |      |     |     | 186<br>208<br>197 |       |                           |                   | 173<br>207<br>193 |       |                           |                   |     |                           | 146<br>144<br>145         |                   |                   |                              |                           | 135<br>132<br>132         |                   |                   |
| 220 | -<br>B<br>B2<br>BW                                                                |        |     |     |                   |      |     |     | 178<br>196<br>186 |       |                           |                   | 167<br>195<br>183 |       |                           | 154<br>183<br>176 |     |                           | 141<br>141<br>142         |                   |                   |                              |                           | 131<br>128<br>129         |                   |                   |
| 230 | -<br>B<br>B2<br>BW                                                                |        |     |     |                   |      |     |     |                   |       |                           |                   | 161<br>184<br>173 |       |                           | 151<br>179<br>170 |     |                           | 137<br>138<br>138         |                   |                   |                              |                           | 128<br>126<br>126         |                   |                   |
| 240 | -<br>B<br>B2<br>BW                                                                |        |     |     |                   |      |     |     |                   |       |                           | 155<br>173<br>164 |                   |       |                           | 147<br>171<br>161 |     |                           |                           | 134<br>158<br>154 |                   |                              |                           | 125<br>123<br>123         |                   |                   |
| 250 | -<br>B<br>B2<br>BW                                                                |        |     |     |                   |      |     |     |                   |       |                           |                   |                   |       |                           | 141<br>161<br>152 |     |                           |                           | 131<br>156<br>147 |                   |                              |                           |                           | 122<br>139<br>139 |                   |
| 260 | -<br>B<br>B2<br>BW                                                                |        |     |     |                   |      |     |     |                   |       |                           |                   |                   |       |                           | 136<br>153<br>145 |     |                           |                           | 127<br>148<br>139 |                   |                              |                           |                           | 119<br>139<br>136 |                   |
| 270 | -<br>B<br>B2<br>BW                                                                |        |     |     |                   |      |     |     |                   |       |                           |                   |                   |       |                           |                   |     |                           |                           | 122<br>140<br>132 |                   |                              |                           |                           | 116<br>136<br>130 |                   |
| 280 | -<br>B<br>B2<br>BW                                                                |        |     |     |                   |      |     |     |                   |       |                           |                   |                   |       |                           |                   |     |                           |                           |                   | 118<br>133<br>126 |                              |                           |                           |                   | 112<br>131<br>124 |
| 290 | -<br>B<br>B2<br>BW                                                                |        |     |     |                   |      |     |     |                   |       |                           |                   |                   |       |                           |                   |     |                           |                           |                   |                   |                              |                           |                           |                   | 109<br>123<br>117 |
| 300 | -<br>B<br>B2<br>BW                                                                |        |     |     |                   |      |     |     |                   |       |                           |                   |                   |       |                           |                   |     |                           |                           |                   |                   |                              |                           |                           |                   | 105<br>117<br>111 |

TAB 181391 / 181393 / 181397

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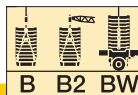






HSDWB/B2/BW

HS 335

|     |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                     |                   |       |     |                           |                   |       |     |                           |                   |                   |                           |                   |     |                   |                              |                            |                     |
|-----|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------|-------|-----|---------------------------|-------------------|-------|-----|---------------------------|-------------------|-------------------|---------------------------|-------------------|-----|-------------------|------------------------------|----------------------------|---------------------|
|     |                                                                                   |  |  |  |  |  |  | <div>550000 – 771000 lbs<br/>331000 – 550000 lbs<br/>0 – 331000 lbs<br/>0 lbs</div> |                   |       |     |                           |                   |       |     |                           |                   |                   |                           |                   |     |                   |                              |                            |                     |
|     |                                                                                   | 335 ft                                                                            | 118 ft                                                                            | 79 – 177 ft                                                                       | 143300 lbs                                                                        | 331000 lbs                                                                        | B B2 BW                                                                           |                                                                                     |                   |       |     |                           |                   |       |     |                           |                   |                   |                           |                   |     |                   |                              |                            |                     |
| ft  |  | HS 335                                                                            |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                     |                   |       |     |                           |                   |       |     |                           |                   |                   |                           |                   |     |                   |                              |                            |                     |
|     |                                                                                   | W 79                                                                              |                                                                                   |                                                                                   |                                                                                   | W 98                                                                              |                                                                                   |                                                                                     |                   | W 118 |     |                           |                   | W 138 |     |                           |                   | W 157             |                           |                   |     | W 177             |                              |                            |                     |
|     |                                                                                   | 87°                                                                               | 85°                                                                               | 77°                                                                               | 67°                                                                               | 87°                                                                               | 85°                                                                               | 77°                                                                                 | 67°               | 87°   | 85° | 77°                       | 67°               | 87°   | 85° | 77°                       | 67°               | 87°               | 85°                       | 77°               | 67° | 87°               | 85°                          | 77°                        | 67°                 |
| 180 | –<br>B<br>B2<br>BW                                                                |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                     |                   |       |     | 13.1<br>161<br>157<br>157 |                   |       |     | 10.2<br>148<br>143<br>143 |                   |                   | 45.5<br>108<br>102<br>102 | 134<br>129<br>129 |     |                   | 53.2<br>89.5<br>89.8<br>89.7 | 43<br>98.8<br>95.3<br>95.6 | 121<br>119<br>119   |
| 190 | –<br>B<br>B2<br>BW                                                                |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                     |                   |       |     | 157<br>151<br>152         |                   |       |     | 142<br>137<br>137         |                   |                   |                           | 130<br>124<br>125 |     |                   | 48.7<br>85.9<br>86.3<br>86.3 | 39<br>95.6<br>91.8<br>92.2 | 118<br>115<br>115   |
| 200 | –<br>B<br>B2<br>BW                                                                |                                                                                   |                                                                                   |                                                                                   | 187<br>213<br>206                                                                 |                                                                                   |                                                                                   |                                                                                     |                   |       |     |                           |                   |       |     | 137<br>132<br>132         |                   |                   |                           | 125<br>120<br>120 |     |                   | 35.2<br>92.5<br>88.2<br>88.5 | 114<br>111<br>111          |                     |
| 210 | –<br>B<br>B2<br>BW                                                                |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                     | 168<br>193<br>190 |       |     |                           |                   |       |     |                           |                   |                   |                           | 121<br>115<br>115 |     |                   |                              | 111<br>107<br>107          |                     |
| 220 | –<br>B<br>B2<br>BW                                                                |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                     | 162<br>185<br>179 |       |     |                           | 148<br>167<br>167 |       |     |                           | 76.2<br>147       |                   |                           | 118<br>112<br>113 |     |                   |                              | 107<br>102<br>103          |                     |
| 230 | –<br>B<br>B2<br>BW                                                                |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                     | 156<br>176<br>170 |       |     |                           | 145<br>165<br>163 |       |     |                           | 134<br>146<br>147 |                   |                           | 114<br>108<br>109 |     |                   |                              | 104<br>99.5<br>100         |                     |
| 240 | –<br>B<br>B2<br>BW                                                                |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                     |                   |       |     |                           | 140<br>160<br>156 |       |     |                           | 130<br>145<br>146 |                   |                           |                   |     | 118<br>127<br>127 |                              |                            | 102<br>97.2<br>97.5 |
| 250 | –<br>B<br>B2<br>BW                                                                |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                     |                   |       |     |                           |                   |       |     |                           | 127<br>143<br>143 |                   |                           |                   |     | 116<br>126<br>126 |                              |                            | 105<br>111<br>111   |
| 260 | –<br>B<br>B2<br>BW                                                                |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                     |                   |       |     |                           |                   |       |     |                           |                   | 122<br>139<br>137 |                           |                   |     | 113<br>124<br>124 |                              |                            | 103<br>111<br>111   |
| 270 | –<br>B<br>B2<br>BW                                                                |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                     |                   |       |     |                           |                   |       |     |                           |                   |                   | 118<br>133<br>130         |                   |     | 110<br>121<br>122 |                              |                            | 101<br>110<br>110   |
| 280 | –<br>B<br>B2<br>BW                                                                |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                     |                   |       |     |                           |                   |       |     |                           |                   |                   |                           |                   |     | 106<br>118<br>118 |                              |                            | 98.5<br>108<br>108  |
| 290 | –<br>B<br>B2<br>BW                                                                |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                     |                   |       |     |                           |                   |       |     |                           |                   |                   |                           |                   |     |                   |                              |                            | 95.8<br>106<br>106  |
| 300 | –<br>B<br>B2<br>BW                                                                |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                     |                   |       |     |                           |                   |       |     |                           |                   |                   |                           |                   |     |                   |                              |                            | 92.9<br>104<br>104  |
| 310 | –<br>B<br>B2<br>BW                                                                |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                     |                   |       |     |                           |                   |       |     |                           |                   |                   |                           |                   |     |                   |                              |                            | 90.6<br>103<br>101  |

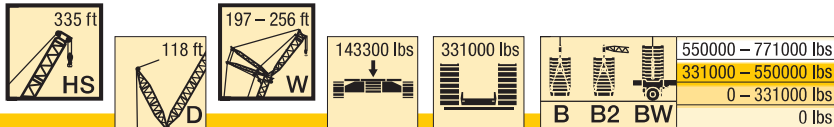
TAB 181391 / 181393 / 181397

H



HSDWB/B2/BW

HS 335



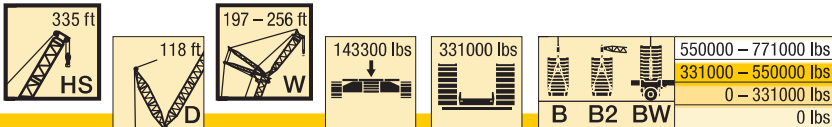
H

| ft  |               | HS 335                       |                              |                     |     |                              |                              |                      |     |                              |                              |                      |     |              |              |              |     |
|-----|---------------|------------------------------|------------------------------|---------------------|-----|------------------------------|------------------------------|----------------------|-----|------------------------------|------------------------------|----------------------|-----|--------------|--------------|--------------|-----|
|     |               | W 197                        |                              |                     |     | W 217                        |                              |                      |     | W 236                        |                              |                      |     | W 256        |              |              |     |
|     |               | 87°                          | 85°                          | 77°                 | 67° | 87°                          | 85°                          | 77°                  | 67° | 87°                          | 85°                          | 77°                  | 67° | 87°          | 85°          | 77°          | 67° |
| 80  | B<br>B2<br>BW | 122                          |                              |                     |     |                              |                              |                      |     |                              |                              |                      |     |              |              |              |     |
| 85  | B<br>B2<br>BW | 122<br>122<br>123            |                              |                     |     | 108<br>108<br>108            |                              |                      |     |                              |                              |                      |     |              |              |              |     |
| 90  | B<br>B2<br>BW | 119<br>120<br>120<br>120     |                              |                     |     | 107<br>107<br>107<br>107     |                              |                      |     |                              |                              |                      |     |              |              |              |     |
| 95  | B<br>B2<br>BW | 115<br>117<br>118<br>118     |                              |                     |     | 104<br>105<br>105<br>105     |                              |                      |     | 92.7<br>92.7<br>92.7<br>92.7 |                              |                      |     |              |              |              |     |
| 100 | B<br>B2<br>BW | 109<br>115<br>115<br>115     | 93.2<br>121<br>122<br>122    |                     |     | 102<br>103<br>103<br>103     |                              |                      |     | 90.8<br>91.3<br>91.4<br>91.4 |                              |                      |     | 80.3<br>80.2 |              |              |     |
| 105 | B<br>B2<br>BW | 103<br>112<br>113<br>113     | 87.7<br>119<br>119<br>119    |                     |     | 98.9<br>101<br>101<br>101    | 83.2<br>106<br>106<br>106    |                      |     | 89.5<br>89.6<br>89.9<br>90.1 |                              |                      |     | 78.8<br>78.7 |              |              |     |
| 110 | B<br>B2<br>BW | 97.8<br>110<br>110<br>110    | 82.7<br>117<br>117<br>117    |                     |     | 93.5<br>98.7<br>99.1<br>99.1 | 78.4<br>104<br>104<br>104    |                      |     | 87.2<br>88<br>88.3<br>88.6   | 71.6<br>91.6<br>91.8<br>91.9 |                      |     | 77.4<br>77.5 |              |              |     |
| 115 | B<br>B2<br>BW | 92.7<br>107<br>108<br>108    | 78.1<br>115<br>115<br>115    |                     |     | 88.4<br>96.8<br>97<br>97.2   | 73.8<br>103<br>103<br>103    |                      |     | 83.3<br>86.5<br>86.8<br>87   | 68.6<br>90.7<br>90.9<br>91   |                      |     | 76<br>76.2   |              |              |     |
| 120 | B<br>B2<br>BW | 87.8<br>105<br>105<br>105    | 73.7<br>114<br>112<br>113    |                     |     | 83.7<br>94.9<br>95.1<br>95.2 | 69.6<br>101<br>101<br>101    |                      |     | 78.7<br>84.9<br>85.1<br>85.3 | 64.5<br>89.3<br>89.6<br>89.7 |                      |     | 74.6<br>74.8 | 78.1<br>78.2 |              |     |
| 125 | B<br>B2<br>BW | 83.3<br>103<br>103<br>103    | 69.6<br>112<br>110<br>110    |                     |     | 79.2<br>93.1<br>93.1<br>93.3 | 65.6<br>99.7<br>98.8<br>99   |                      |     | 74.3<br>83.1<br>83.3<br>83.5 | 60.6<br>88.3<br>88.2<br>88.2 |                      |     | 73.1<br>73.2 | 76.9<br>77.1 |              |     |
| 130 | B<br>B2<br>BW | 79.1<br>100<br>100<br>101    | 65.9<br>110<br>108<br>108    |                     |     | 75.1<br>91.2<br>91.1<br>91.3 | 61.9<br>98.2<br>96.9<br>97.2 |                      |     | 70.3<br>81<br>81.2<br>81.4   | 57<br>87.1<br>86.7<br>86.8   |                      |     | 71.7<br>71.7 | 75.6<br>75.9 |              |     |
| 135 | B<br>B2<br>BW | 75.3<br>98.4<br>98.1<br>98.4 | 62.5<br>107<br>105<br>105    |                     |     | 71.4<br>89.3<br>89.3<br>89.2 | 58.5<br>96.7<br>95.2<br>95.4 |                      |     | 66.6<br>79.1<br>79.1<br>79.3 | 53.7<br>85.8<br>85.1<br>85.2 |                      |     | 70.2<br>70.2 | 74.3<br>74.5 |              |     |
| 140 | B<br>B2<br>BW | 71.6<br>96.3<br>95.9<br>96.1 | 59.1<br>105<br>103<br>103    |                     |     | 67.8<br>87.6<br>87.4<br>87   | 55.3<br>95<br>93.4<br>93.5   |                      |     | 63.1<br>77.1<br>77<br>77.3   | 50.5<br>84.5<br>83.5<br>83.7 |                      |     | 68.7<br>68.7 | 72.9<br>73.1 |              |     |
| 150 | B<br>B2<br>BW | 64.8<br>92.4<br>91.6<br>91.8 | 53<br>101<br>98.4<br>98.4    |                     |     | 61.1<br>84.2<br>83.8<br>82.7 | 49.3<br>91.5<br>89.6<br>89.7 |                      |     | 56.6<br>73.8<br>73.3<br>73.6 | 44.7<br>81.3<br>79.7<br>79.9 |                      |     | 65.7<br>65.7 | 70.2<br>70.3 |              |     |
| 160 | B<br>B2<br>BW | 58.7<br>88.8<br>87.7<br>87.7 | 47.5<br>96.5<br>93.9<br>94.1 |                     |     | 55.1<br>80.6<br>79.9<br>78.4 | 43.9<br>87.8<br>85.5<br>85.9 |                      |     | 50.7<br>70.7<br>70<br>70.2   | 39.4<br>77.8<br>75.7<br>75.9 |                      |     | 62.9<br>62.9 | 67.5<br>67.5 |              |     |
| 170 | B<br>B2<br>BW | 53.3<br>85<br>83.8<br>83.7   | 42.6<br>92.8<br>89.9<br>89.9 | 108<br>107<br>107   |     | 49.8<br>76.7<br>75.5<br>74.8 | 39.1<br>84.4<br>80.7<br>82.3 |                      |     | 45.4<br>67.6<br>66.7<br>66.8 | 34.7<br>74.2<br>72.1<br>72.2 |                      |     | 60.3<br>60.4 | 64.8<br>64.7 |              |     |
| 180 | B<br>B2<br>BW | 48.5<br>81<br>80.3<br>80.2   | 38.3<br>89.3<br>86.1<br>86   | 106<br>105<br>105   |     | 45<br>72.9<br>71.4<br>71.4   | 34.8<br>80.8<br>76.9<br>78   |                      |     | 40.8<br>65<br>63.7<br>63.9   | 30.5<br>71.1<br>68.7<br>68.8 |                      |     | 57.8<br>57.8 | 62.2<br>62.1 |              |     |
| 190 | B<br>B2<br>BW | 44.1<br>77.1<br>76.8<br>76.7 | 34.3<br>86.2<br>82.4<br>82.5 | 104<br>102<br>102   |     | 40.7<br>69.7<br>68.4<br>68.6 | 30.9<br>77.1<br>73.4<br>73.8 | 92.8<br>91.2<br>91.4 |     | 36.5<br>62.4<br>60.8<br>61   | 26.7<br>68.3<br>65.6<br>65.6 |                      |     | 55.3<br>55.4 | 59.5<br>59.6 |              |     |
| 200 | B<br>B2<br>BW | 40.1<br>73.2<br>73.4<br>73.3 | 30.6<br>83.3<br>78.8<br>79.2 | 102<br>99.3<br>99.1 |     | 36.7<br>66.8<br>66<br>66.1   | 27.4<br>73.8<br>70.3<br>70.1 | 90.8<br>89.2<br>89.4 |     | 32.6<br>59.9<br>58.4<br>58.5 | 23.2<br>65.7<br>62.7<br>62.8 | 79.4<br>77<br>77.1   |     | 53<br>53     | 56.8<br>57.1 | 66.9<br>66.9 |     |
| 210 | B<br>B2<br>BW | 27.3<br>80.1<br>75.3<br>75.8 | 27.3<br>98.9<br>95.8<br>96.1 |                     |     | 33.1<br>63.9<br>63.5<br>63.6 | 24.1<br>71.3<br>67.8<br>67.7 | 88.9<br>86.9<br>87.1 |     | 29<br>57.6<br>56.5<br>56.6   | 20<br>63<br>59.8<br>59.9     | 77.6<br>75.3<br>75.5 |     | 50.7<br>50.6 | 54.5<br>54.6 | 65.7<br>65.8 |     |
| 220 | B<br>B2<br>BW | 24.3<br>76.7<br>71.9<br>72.2 | 24.3<br>96.1<br>92.7<br>92.8 |                     |     | 29.8<br>60.9<br>60.9<br>61   | 21.1<br>68.8<br>65.3<br>65.3 | 86.8<br>83.8<br>84.3 |     | 25.8<br>55.3<br>54.7<br>54.7 | 17.1<br>61<br>58.1<br>58.2   | 75.3<br>73<br>73.2   |     | 49.1<br>49   | 52.3<br>52.2 | 64.3<br>64.4 |     |

TAB 181391 / 181393 / 181397

HSDWB/B2/BW

HS 335



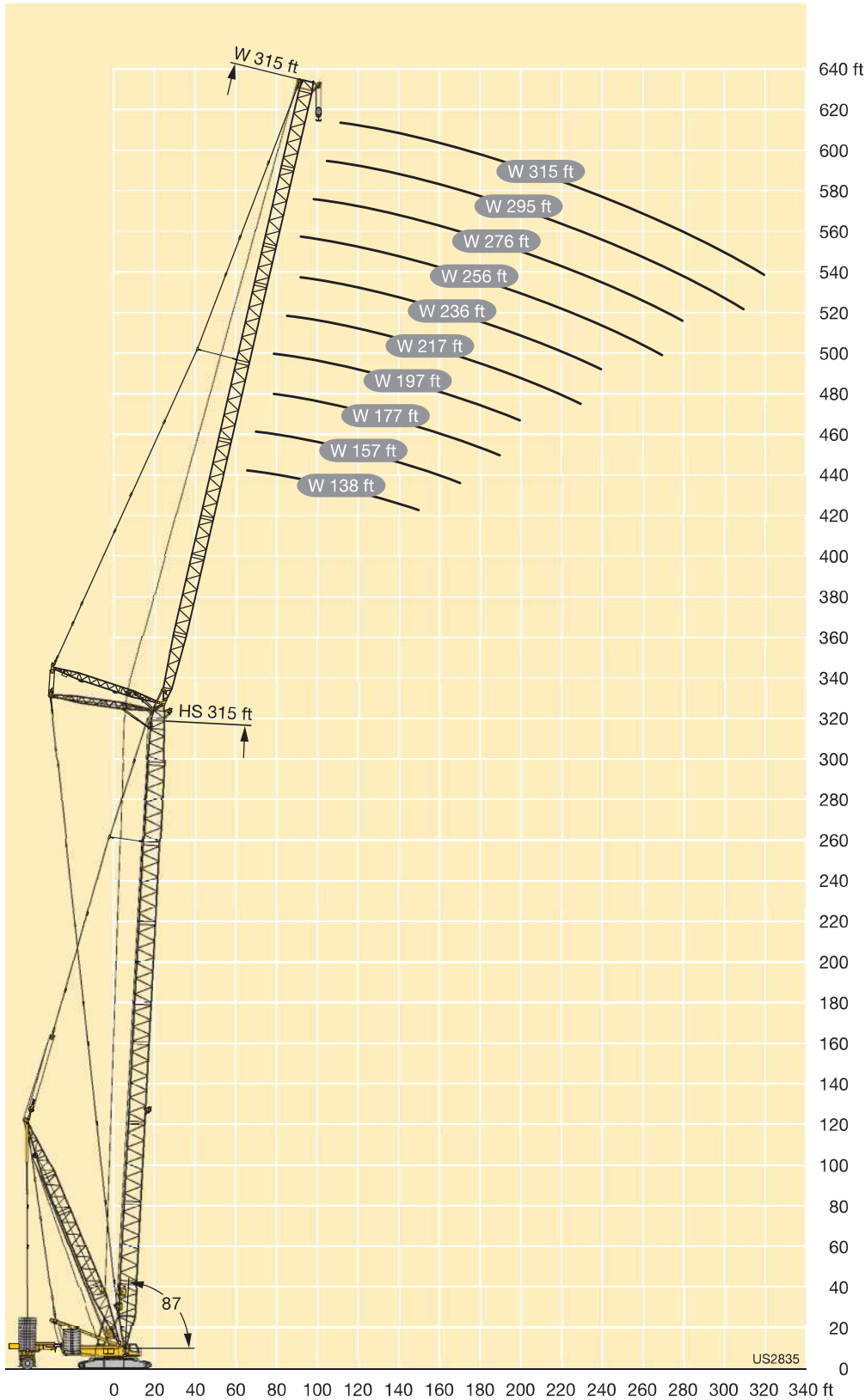
| ft  |               | HS 335 |     |                      |                      |                              |                              |                      |                      |                              |                              |                      |                      |              |              |              |              |
|-----|---------------|--------|-----|----------------------|----------------------|------------------------------|------------------------------|----------------------|----------------------|------------------------------|------------------------------|----------------------|----------------------|--------------|--------------|--------------|--------------|
|     |               | W 197  |     |                      |                      | W 217                        |                              |                      |                      | W 236                        |                              |                      |                      | W 256        |              |              |              |
|     |               | 87°    | 85° | 77°                  | 67°                  | 87°                          | 85°                          | 77°                  | 67°                  | 87°                          | 85°                          | 77°                  | 67°                  | 87°          | 85°          | 77°          | 67°          |
| 230 | B<br>B2<br>BW |        |     | 93.4<br>89.4<br>89.7 |                      | 26.9<br>58.3<br>58.5<br>58.6 | 18.4<br>66.4<br>62.7<br>62.7 | 84.6<br>80.3<br>80.9 |                      | 22.9<br>52.5<br>52.7<br>52.6 | 14.4<br>59.1<br>56.4<br>56.4 | 73.3<br>70.6<br>70.9 |                      | 47.4<br>47.3 | 50.5<br>50.4 | 62.7<br>62.8 |              |
| 240 | B<br>B2<br>BW |        |     | 91<br>86.7<br>87.2   |                      |                              | 64.3<br>60.2<br>60.2         | 81.9<br>77<br>77.4   |                      | 20.1<br>50.2<br>50.5<br>50.6 | 11.9<br>57.2<br>54.5<br>54.4 | 71.2<br>68.2<br>68.6 |                      | 45.4<br>45.2 | 48.9<br>48.9 | 61<br>61.1   |              |
| 250 | B<br>B2<br>BW |        |     | 88.8<br>85<br>85.4   |                      |                              |                              | 78.7<br>74.4<br>74.5 |                      |                              | 9.6<br>55.4<br>52.2<br>52.2  | 69.1<br>65.8<br>66.1 |                      | 42.7<br>42.7 | 47.3<br>47.4 | 59.2<br>59.3 |              |
| 260 | B<br>B2<br>BW |        |     | 86.9<br>82.5<br>82.7 | 91.4<br>88.4<br>95.1 |                              |                              | 76.2<br>72.6<br>72.6 |                      |                              | 7.6<br>53.7<br>50<br>50.1    | 67<br>63.6<br>63.8   |                      | 39.9<br>39.9 | 44.6<br>45.6 | 57.3<br>57.6 |              |
| 270 | B<br>B2<br>BW |        |     | 84.5<br>78.8<br>79   | 90.6<br>95.2<br>95.3 |                              |                              | 74.5<br>70.9<br>70.9 |                      |                              |                              | 65.2<br>61.8<br>61.9 |                      | 37.8<br>37.9 | 41.5<br>43.7 | 55.4<br>55.7 |              |
| 280 | B<br>B2<br>BW |        |     |                      | 89.1<br>94.7<br>94.8 |                              |                              | 72.7<br>68.7<br>68.7 | 78.1<br>82.7<br>82.7 |                              |                              | 63.6<br>60.3<br>60.5 |                      |              | 39.1<br>41   | 53.7<br>54   |              |
| 290 | B<br>B2<br>BW |        |     |                      | 87.2<br>93.6<br>93.7 |                              |                              |                      | 76.8<br>82.4<br>82.6 |                              |                              | 62.3<br>59.1<br>59.3 | 66.3<br>68.2<br>68.1 |              |              | 52.2<br>52.5 |              |
| 300 | B<br>B2<br>BW |        |     |                      | 85.2<br>92.1<br>92.4 |                              |                              |                      | 75.3<br>81.3<br>82.1 |                              |                              | 60.7<br>57.2<br>57.5 | 65.7<br>68.3<br>68.4 |              |              | 51.2<br>51.3 | 57.2<br>52.1 |
| 310 | B<br>B2<br>BW |        |     |                      | 82.2<br>90.5<br>90.7 |                              |                              |                      | 73.5<br>79.6<br>80.7 |                              |                              | 59.2<br>55.2<br>55.5 | 64.7<br>68<br>68.1   |              |              | 49.9<br>50   | 58.3<br>58.4 |
| 320 | B<br>B2<br>BW |        |     |                      | 79.2<br>89.7<br>89.2 |                              |                              |                      | 71.6<br>78<br>78.7   |                              |                              |                      | 63.5<br>67.4<br>67.5 |              |              | 48.5<br>48.5 | 58.3<br>58.3 |
| 330 | B<br>B2<br>BW |        |     |                      |                      |                              |                              |                      | 69.5<br>76.6<br>76.7 |                              |                              |                      | 62.1<br>66.5<br>66.6 |              |              |              | 58.1<br>58.1 |
| 340 | B<br>B2<br>BW |        |     |                      |                      |                              |                              |                      | 67.3<br>76.1<br>75.4 |                              |                              |                      | 60.5<br>65.4<br>65.6 |              |              |              | 57.6<br>57.7 |
| 350 | B<br>B2<br>BW |        |     |                      |                      |                              |                              |                      | 65.6<br>76<br>74.1   |                              |                              |                      | 59<br>64.2<br>64.6   |              |              |              | 56.9<br>56.9 |
| 360 | B<br>B2<br>BW |        |     |                      |                      |                              |                              |                      |                      |                              |                              |                      | 57.5<br>63.7<br>64.2 |              |              |              | 56<br>56.1   |
| 370 | B<br>B2<br>BW |        |     |                      |                      |                              |                              |                      |                      |                              |                              |                      |                      |              |              |              | 55.2<br>55.5 |
| 380 | B<br>B2<br>BW |        |     |                      |                      |                              |                              |                      |                      |                              |                              |                      |                      |              |              |              | 55.2<br>55.5 |
| 390 | B<br>B2<br>BW |        |     |                      |                      |                              |                              |                      |                      |                              |                              |                      |                      |              |              |              | 55.2<br>55.1 |

TAB 181391 / 181393 / 181397

H

**Lifting heights  
Hauteurs de levage**

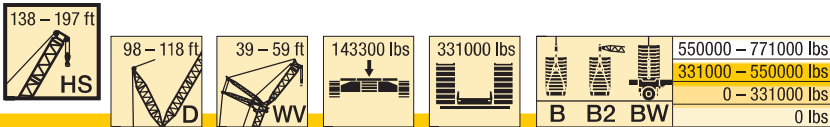
**HSDWB/B2/BW**





HSDWVB/B2/BW

HS 138 - 197



| ft  |    | HS 138 |      |      |      | HS 157 |      |      |      | HS 177 |      |      |      | HS 197 |      |      |      |
|-----|----|--------|------|------|------|--------|------|------|------|--------|------|------|------|--------|------|------|------|
|     |    | D 98   |      |      |      | D 118  |      |      |      | D 118  |      |      |      | D 118  |      |      |      |
|     |    | W 39   |      | W 59 |      | W 39   |      | W 59 |      | W 39   |      | W 59 |      | W 39   |      | W 59 |      |
|     |    | 12°    | 20°  | 12°  | 20°  | 12°    | 20°  | 12°  | 20°  | 12°    | 20°  | 12°  | 20°  | 12°    | 20°  | 12°  | 20°  |
| 140 | -  | 56.2   | 57   | 61.7 | 63.6 | 57     | 58.1 | 61.3 | 64.1 | 50.7   | 52.4 | 55   | 58.2 | 45.3   | 47.2 | 49.7 | 53.2 |
|     | B  | 302    | 304  | 316  | 322  | 365    | 367  | 370  | 372  | 362    | 363  | 366  | 368  | 358    | 359  | 362  | 365  |
|     | B2 | 320    | 322  | 338  | 345  | 393    | 395  | 399  | 401  | 390    | 391  | 395  | 397  | 387    | 388  | 390  | 393  |
|     | BW | 320    | 321  | 337  | 343  | 371    | 372  | 376  | 378  | 367    | 368  | 372  | 374  | 364    | 365  | 368  | 371  |
| 150 | -  | 44.7   | 45.2 | 50.3 | 51.9 | 45.2   | 46   | 49.4 | 51.8 | 39     | 40.3 | 43.2 | 45.9 | 33.6   | 35.2 | 38   | 41.1 |
|     | B  | 265    | 267  | 282  | 288  | 331    | 334  | 339  | 340  | 331    | 331  | 335  | 337  | 327    | 328  | 331  | 334  |
|     | B2 | 278    | 279  | 299  | 305  | 357    | 360  | 366  | 368  | 357    | 358  | 362  | 363  | 354    | 355  | 357  | 359  |
|     | BW | 278    | 279  | 298  | 305  | 339    | 340  | 344  | 346  | 335    | 337  | 340  | 342  | 333    | 334  | 336  | 339  |
| 160 | -  | 34.2   | 34.3 | 40.1 | 41.6 | 34.3   | 34.8 | 39   | 40.9 |        | 29.6 | 32.8 | 35.1 |        |      | 27.6 | 30.3 |
|     | B  | 227    | 228  | 252  | 257  | 299    | 303  | 308  | 311  | 302    | 303  | 307  | 309  | 300    | 300  | 304  | 306  |
|     | B2 | 237    | 238  | 264  | 269  | 322    | 326  | 333  | 336  | 326    | 328  | 333  | 335  | 324    | 325  | 329  | 330  |
|     | BW | 237    | 238  | 263  | 269  | 310    | 311  | 315  | 317  | 307    | 308  | 313  | 314  | 305    | 305  | 309  | 311  |
| 170 | -  | 25.1   | 24.8 | 30.8 | 31.9 | 25     | 25.3 | 29.8 | 31.4 |        | 20.3 | 23.6 | 25.5 |        |      | 18.5 | 20.8 |
|     | B  | 194    | 195  | 221  | 226  | 266    | 268  | 281  | 285  | 278    | 278  | 281  | 283  | 274    | 275  | 279  | 281  |
|     | B2 | 198    | 198  | 229  | 234  | 287    | 290  | 304  | 308  | 301    | 302  | 305  | 307  | 298    | 299  | 303  | 304  |
|     | BW | 198    | 198  | 229  | 235  | 281    | 280  | 292  | 293  | 282    | 283  | 286  | 288  | 279    | 280  | 284  | 286  |
| 180 | -  |        |      | 22.9 | 23.4 |        |      | 21.8 | 23   |        |      |      |      |        |      |      |      |
|     | B  |        |      | 187  | 193  | 229    | 230  | 254  | 257  | 253    | 252  | 260  | 262  | 253    | 254  | 257  | 258  |
|     | B2 |        |      | 198  | 203  | 251    | 252  | 274  | 279  | 274    | 274  | 282  | 285  | 276    | 276  | 279  | 280  |
|     | BW |        |      | 199  | 201  | 247    | 248  | 269  | 269  | 258    | 259  | 266  | 267  | 258    | 258  | 261  | 263  |
| 190 | -  |        |      | 162  | 163  | 198    |      | 225  | 227  | 224    | 224  | 240  | 241  | 233    | 232  | 238  | 239  |
|     | B  |        |      | 165  | 168  | 212    |      | 244  | 248  | 245    | 244  | 260  | 263  | 254    | 254  | 258  | 260  |
|     | B2 |        |      | 166  | 167  | 211    |      | 242  | 243  | 235    | 237  | 246  | 246  | 238    | 238  | 242  | 243  |
|     | BW |        |      |      |      |        |      |      |      |        |      |      |      |        |      |      |      |
| 200 | -  |        |      |      |      |        |      | 194  | 195  | 193    | 194  | 218  | 219  | 211    | 210  | 220  | 221  |
|     | B  |        |      |      |      |        |      | 214  | 216  | 214    | 214  | 237  | 239  | 232    | 231  | 240  | 241  |
|     | B2 |        |      |      |      |        |      | 213  | 215  | 210    | 213  | 225  | 226  | 218    | 219  | 224  | 225  |
|     | BW |        |      |      |      |        |      |      |      |        |      |      |      |        |      |      |      |
| 210 | -  |        |      |      |      |        |      |      |      |        |      | 192  | 194  | 187    | 189  | 203  | 202  |
|     | B  |        |      |      |      |        |      |      |      |        |      | 211  | 214  | 207    | 209  | 221  | 221  |
|     | B2 |        |      |      |      |        |      |      |      |        |      | 205  | 207  | 200    | 203  | 207  | 207  |
|     | BW |        |      |      |      |        |      |      |      |        |      |      |      |        |      |      |      |
| 220 | -  |        |      |      |      |        |      |      |      |        |      | 165  | 167  | 163    | 163  | 183  | 183  |
|     | B  |        |      |      |      |        |      |      |      |        |      | 185  | 187  | 182    | 183  | 200  | 201  |
|     | B2 |        |      |      |      |        |      |      |      |        |      | 184  | 185  | 181    | 181  | 190  | 193  |
|     | BW |        |      |      |      |        |      |      |      |        |      |      |      |        |      |      |      |
| 230 | -  |        |      |      |      |        |      |      |      |        |      | 142  |      | 136    |      | 162  | 164  |
|     | B  |        |      |      |      |        |      |      |      |        |      | 156  |      | 154    |      | 179  | 181  |
|     | B2 |        |      |      |      |        |      |      |      |        |      | 156  |      | 154    |      | 174  | 178  |
|     | BW |        |      |      |      |        |      |      |      |        |      |      |      |        |      |      |      |
| 240 | -  |        |      |      |      |        |      |      |      |        |      |      |      |        |      | 140  | 142  |
|     | B  |        |      |      |      |        |      |      |      |        |      |      |      |        |      | 157  | 158  |
|     | B2 |        |      |      |      |        |      |      |      |        |      |      |      |        |      | 156  | 159  |
|     | BW |        |      |      |      |        |      |      |      |        |      |      |      |        |      |      |      |

Further lengths on request · Autres longueurs sur demande

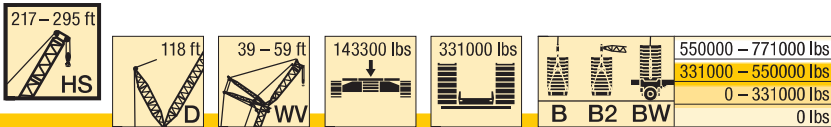
TAB 181470 / 181472 / 181476





HSDWVB/B2/BW

S 217 - 295



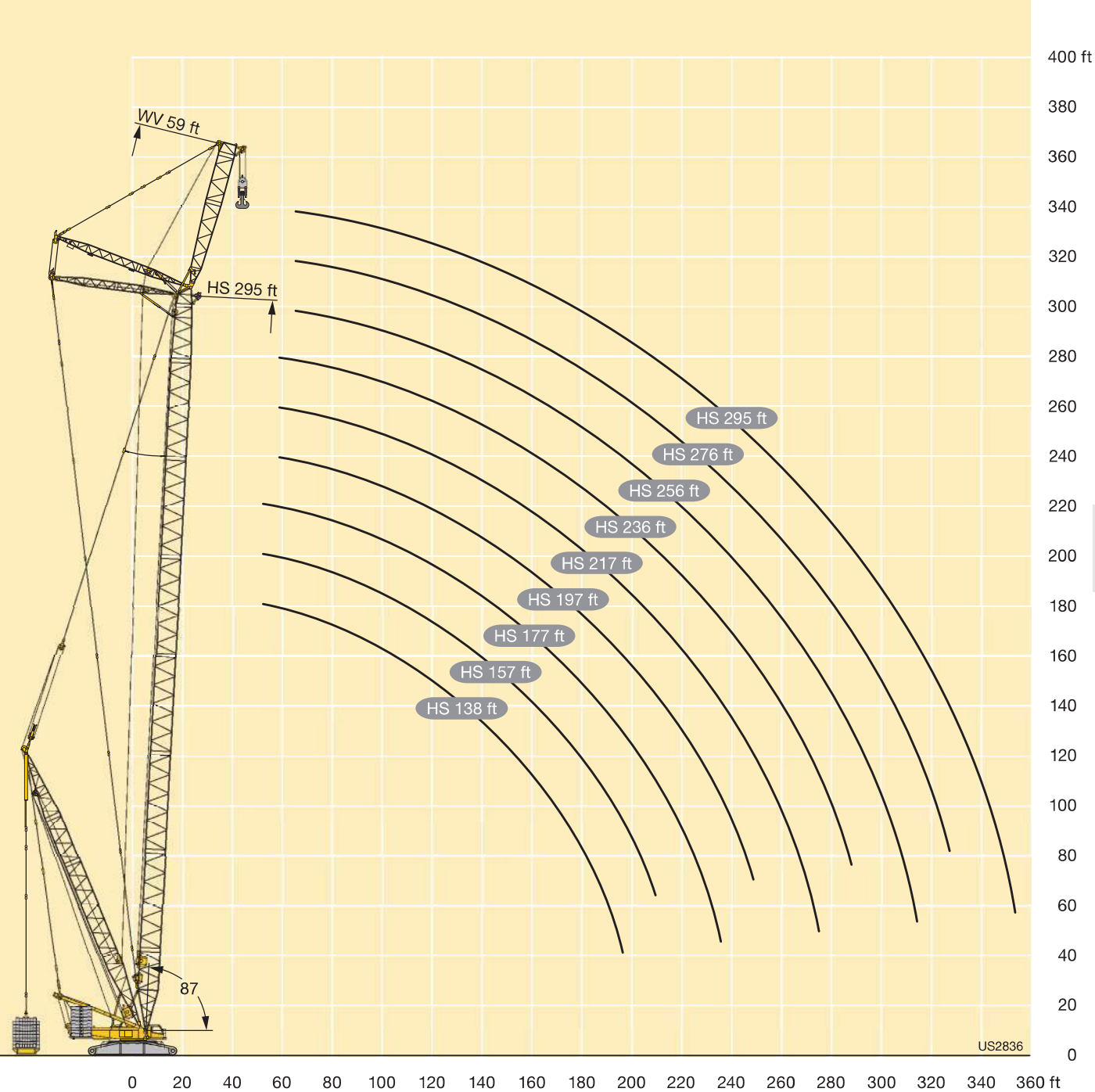
| ft  |  | S 217             |                   |                    |                   | S 236             |                   |                    |                    | S 256              |                    |                      |                    | S 276               |                    |                      |                      | S 295                |                      |
|-----|-----------------------------------------------------------------------------------|-------------------|-------------------|--------------------|-------------------|-------------------|-------------------|--------------------|--------------------|--------------------|--------------------|----------------------|--------------------|---------------------|--------------------|----------------------|----------------------|----------------------|----------------------|
|     |                                                                                   | D 118             |                   |                    |                   | D 118             |                   |                    |                    | D 118              |                    |                      |                    | D 118               |                    |                      |                      | D 118                |                      |
|     |                                                                                   | W 39              |                   | W 59               |                   | W 39              |                   | W 59               |                    | W 39               |                    | W 59                 |                    | W 39                |                    | W 59                 |                      | W 59                 |                      |
|     |                                                                                   | 12°               | 20°               | 12°                | 20°               | 12°               | 20°               | 12°                | 20°                | 12°                | 20°                | 12°                  | 20°                | 12°                 | 20°                | 12°                  | 20°                  | 12°                  | 20°                  |
| 170 | B<br>B2<br>BW                                                                     | 272<br>295<br>275 | 272<br>295<br>276 | 276<br>300<br>281  | 278<br>302<br>283 | 271<br>294<br>275 | 272<br>295<br>276 | 271<br>296<br>277  | 274<br>298<br>279  | 267<br>290<br>271  | 268<br>292<br>273  | 270<br>294<br>275    | 272<br>296<br>277  | 262<br>287<br>267   | 264<br>288<br>269  | 269<br>292<br>273    | 271<br>295<br>276    | 262<br>286<br>267    | 265<br>288<br>269    |
| 180 | B<br>B2<br>BW                                                                     | 250<br>272<br>253 | 251<br>273<br>255 | 254<br>277<br>259  | 256<br>278<br>260 | 248<br>271<br>253 | 248<br>271<br>253 | 252<br>275<br>257  | 254<br>276<br>259  | 246<br>269<br>251  | 247<br>270<br>252  | 248<br>271<br>253    | 250<br>273<br>255  | 242<br>265<br>247   | 244<br>267<br>249  | 246<br>268<br>250    | 248<br>271<br>252    | 241<br>264<br>246    | 244<br>266<br>248    |
| 190 | B<br>B2<br>BW                                                                     | 231<br>252<br>234 | 231<br>252<br>235 | 233<br>256<br>239  | 236<br>257<br>240 | 228<br>250<br>233 | 229<br>250<br>233 | 232<br>254<br>237  | 234<br>256<br>238  | 226<br>248<br>231  | 226<br>248<br>231  | 229<br>251<br>234    | 231<br>253<br>236  | 224<br>245<br>228   | 225<br>247<br>229  | 226<br>247<br>230    | 228<br>250<br>232    | 221<br>242<br>225    | 223<br>245<br>227    |
| 200 | B<br>B2<br>BW                                                                     | 213<br>233<br>216 | 213<br>233<br>217 | 215<br>236<br>220  | 217<br>238<br>222 | 211<br>231<br>215 | 211<br>232<br>216 | 214<br>234<br>218  | 215<br>236<br>219  | 208<br>228<br>212  | 207<br>228<br>212  | 212<br>233<br>216    | 214<br>234<br>218  | 206<br>226<br>210   | 207<br>227<br>211  | 209<br>229<br>213    | 211<br>231<br>215    | 202<br>223<br>206    | 205<br>225<br>208    |
| 210 | B<br>B2<br>BW                                                                     | 195<br>214<br>198 | 195<br>213<br>199 | 200<br>220<br>205  | 202<br>221<br>206 | 195<br>215<br>199 | 195<br>215<br>199 | 197<br>217<br>201  | 199<br>218<br>203  | 192<br>211<br>196  | 192<br>212<br>197  | 195<br>214<br>199    | 196<br>215<br>200  | 188<br>207<br>192   | 188<br>208<br>192  | 193<br>212<br>197    | 195<br>214<br>199    | 187<br>208<br>192    | 190<br>210<br>193    |
| 220 | B<br>B2<br>BW                                                                     | 176<br>195<br>184 | 178<br>195<br>185 | 185<br>204<br>189  | 186<br>204<br>190 | 180<br>198<br>183 | 179<br>198<br>184 | 183<br>202<br>187  | 184<br>204<br>188  | 178<br>197<br>182  | 177<br>197<br>182  | 180<br>199<br>184    | 182<br>200<br>185  | 174<br>193<br>178   | 175<br>194<br>179  | 177<br>195<br>182    | 179<br>197<br>183    | 173<br>193<br>177    | 175<br>194<br>178    |
| 230 | B<br>B2<br>BW                                                                     | 158<br>175<br>170 | 159<br>176<br>170 | 169<br>187<br>175  | 170<br>188<br>176 | 164<br>182<br>170 | 165<br>182<br>170 | 169<br>188<br>174  | 170<br>189<br>174  | 164<br>182<br>168  | 163<br>182<br>167  | 167<br>185<br>170    | 168<br>186<br>172  | 161<br>179<br>165   | 161<br>181<br>165  | 163<br>180<br>167    | 165<br>182<br>169    | 158<br>178<br>162    | 159<br>179<br>163    |
| 240 | B<br>B2<br>BW                                                                     | 137<br>154<br>153 | 138<br>154<br>152 | 153<br>170<br>161  | 155<br>171<br>163 | 149<br>166<br>157 | 151<br>167<br>157 | 155<br>173<br>160  | 156<br>174<br>161  | 150<br>168<br>154  | 150<br>167<br>154  | 154<br>172<br>158    | 155<br>173<br>159  | 148<br>167<br>152   | 148<br>167<br>152  | 151<br>167<br>155    | 152<br>170<br>156    | 145<br>164<br>149    | 146<br>165<br>150    |
| 250 | B<br>B2<br>BW                                                                     |                   |                   | 136<br>153<br>148  | 140<br>155<br>151 | 133<br>149<br>145 | 136<br>151<br>144 | 142<br>159<br>148  | 144<br>160<br>149  | 137<br>154<br>143  | 139<br>154<br>143  | 142<br>160<br>145    | 142<br>160<br>146  | 136<br>154<br>139   | 135<br>153<br>139  | 140<br>156<br>143    | 140<br>158<br>145    | 133<br>152<br>137    | 134<br>153<br>138    |
| 260 | B<br>B2<br>BW                                                                     |                   |                   | 118<br>134<br>133  | 119<br>136<br>134 | 115<br>131<br>130 | 115<br>132<br>130 | 128<br>144<br>138  | 132<br>146<br>138  | 124<br>141<br>132  | 128<br>141<br>131  | 130<br>147<br>134    | 131<br>147<br>135  | 124<br>141<br>128   | 125<br>141<br>129  | 128<br>145<br>132    | 128<br>146<br>133    | 123<br>141<br>126    | 124<br>142<br>127    |
| 270 | B<br>B2<br>BW                                                                     |                   |                   | 94.8<br>112<br>112 |                   | 92<br>110<br>110  |                   | 115<br>130<br>127  | 117<br>131<br>126  | 111<br>127<br>121  | 113<br>126<br>121  | 119<br>134<br>124    | 121<br>135<br>125  | 113<br>128<br>118   | 114<br>128<br>118  | 117<br>134<br>121    | 118<br>135<br>122    | 112<br>130<br>116    | 113<br>130<br>116    |
| 280 | B<br>B2<br>BW                                                                     |                   |                   |                    |                   |                   |                   | 99.4<br>114<br>114 | 99.4<br>114<br>112 | 95.7<br>110<br>108 | 94.8<br>110<br>108 | 108<br>122<br>114    | 110<br>123<br>115  | 102<br>116<br>109   | 103<br>116<br>108  | 106<br>123<br>111    | 108<br>124<br>113    | 102<br>119<br>106    | 102<br>120<br>106    |
| 290 | B<br>B2<br>BW                                                                     |                   |                   |                    |                   |                   |                   |                    |                    |                    |                    | 96.4<br>109<br>105   | 98.2<br>110<br>105 | 90.3<br>102<br>98.6 | 90<br>102<br>98.6  | 96.3<br>112<br>103   | 99.5<br>113<br>103   | 92.6<br>109<br>95.8  | 93.1<br>110<br>96.8  |
| 300 | B<br>B2<br>BW                                                                     |                   |                   |                    |                   |                   |                   |                    |                    |                    |                    | 80.7<br>95<br>94.2   | 82.1<br>95<br>93.4 | 74<br>87.5<br>86.4  | 74.2<br>86.7<br>86 | 86.2<br>101<br>94.8  | 90.2<br>102<br>94.3  | 84.4<br>98.5<br>88   | 84.9<br>101<br>88.4  |
| 310 | B<br>B2<br>BW                                                                     |                   |                   |                    |                   |                   |                   |                    |                    |                    |                    | 62.3<br>77.2<br>77.6 |                    | 56<br>70.3<br>70.3  |                    | 74.8<br>88.4<br>85.1 | 76.3<br>89.2<br>86.5 | 76.1<br>88.6<br>80.2 | 76.6<br>92.5<br>80   |
| 320 | B<br>B2<br>BW                                                                     |                   |                   |                    |                   |                   |                   |                    |                    |                    |                    |                      |                    |                     |                    | 61.4<br>74.6<br>73.4 |                      | 67.7<br>78.6<br>72.4 | 67.9<br>82<br>72.2   |
| 330 | B<br>B2<br>BW                                                                     |                   |                   |                    |                   |                   |                   |                    |                    |                    |                    |                      |                    |                     |                    |                      |                      | 58.5<br>68.5<br>64.7 | 57.9<br>69.7<br>64.9 |
| 340 | B<br>B2<br>BW                                                                     |                   |                   |                    |                   |                   |                   |                    |                    |                    |                    |                      |                    |                     |                    |                      |                      | 46.7<br>58<br>57.5   | 44.9<br>57.3<br>56.3 |
| 350 | B<br>B2<br>BW                                                                     |                   |                   |                    |                   |                   |                   |                    |                    |                    |                    |                      |                    |                     |                    |                      |                      | 31.6<br>43.3<br>43.4 |                      |

Further lengths on request - Autres longueurs sur demande

TAB 181470 / 181472 / 181476

**Lifting heights  
Hauteurs de levage**

**HSDWVB**



# S 138

TAB 181198

TAB 181198



# S 157

|                                                                                      |       |  157 ft |      |  157 – 295 ft |      |  39 – 118 ft |      |  143000 lbs |       |  419000 lbs |       |     |      |     |      |     |      |     |       |      |      |      |                                                                                        |      |      |     |
|--------------------------------------------------------------------------------------|-------|------------------------------------------------------------------------------------------|------|------------------------------------------------------------------------------------------------|------|-----------------------------------------------------------------------------------------------|------|----------------------------------------------------------------------------------------------|-------|----------------------------------------------------------------------------------------------|-------|-----|------|-----|------|-----|------|-----|-------|------|------|------|----------------------------------------------------------------------------------------|------|------|-----|
|  ft | S 157 |                                                                                          |      |                                                                                                |      |                                                                                               |      |                                                                                              |       |                                                                                              |       |     |      |     |      |     |      |     |       |      |      |      |  ft |      |      |     |
|                                                                                      | W 157 |                                                                                          |      |                                                                                                |      |                                                                                               |      |                                                                                              |       |                                                                                              | W 177 |     |      |     |      |     |      |     |       |      |      |      |                                                                                        |      |      |     |
|                                                                                      | F 39  |                                                                                          | F 59 |                                                                                                | F 79 |                                                                                               | F 98 |                                                                                              | F 118 |                                                                                              | F 39  |     | F 59 |     | F 79 |     | F 98 |     | F 118 |      |      |      |                                                                                        |      |      |     |
|                                                                                      | 10°   | 30°                                                                                      | 10°  | 30°                                                                                            | 10°  | 30°                                                                                           | 10°  | 30°                                                                                          | 10°   | 30°                                                                                          | 10°   | 30° | 10°  | 30° | 10°  | 30° | 10°  | 30° | 10°   | 30°  |      |      |                                                                                        |      |      |     |
| 80                                                                                   | 197   |                                                                                          |      |                                                                                                |      |                                                                                               |      |                                                                                              |       |                                                                                              |       |     |      |     |      |     |      |     |       |      |      |      |                                                                                        |      | 80   |     |
| 85                                                                                   | 184   |                                                                                          |      |                                                                                                |      |                                                                                               |      |                                                                                              |       |                                                                                              |       |     |      |     |      |     |      |     |       |      |      |      |                                                                                        |      | 85   |     |
| 90                                                                                   | 173   |                                                                                          |      |                                                                                                |      |                                                                                               |      |                                                                                              |       |                                                                                              |       |     |      |     |      |     |      |     |       |      |      |      |                                                                                        |      | 90   |     |
| 95                                                                                   | 163   | 136                                                                                      | 162  |                                                                                                |      |                                                                                               |      |                                                                                              |       |                                                                                              |       |     |      |     |      |     |      |     |       |      |      |      |                                                                                        |      | 95   |     |
| 100                                                                                  | 153   | 132                                                                                      | 154  |                                                                                                |      | 124                                                                                           |      |                                                                                              |       |                                                                                              |       |     |      |     |      |     |      |     |       |      |      |      |                                                                                        |      | 100  |     |
| 105                                                                                  | 145   | 129                                                                                      | 147  | 98.5                                                                                           | 119  |                                                                                               |      | 106                                                                                          |       |                                                                                              |       |     |      |     |      |     |      |     |       |      |      |      |                                                                                        |      | 105  |     |
| 110                                                                                  | 137   | 126                                                                                      | 139  | 96                                                                                             | 114  |                                                                                               |      | 101                                                                                          |       | 89.5                                                                                         |       |     |      |     |      |     |      |     | 103   |      |      |      |                                                                                        |      | 110  |     |
| 115                                                                                  | 130   | 123                                                                                      | 132  | 93.5                                                                                           | 109  |                                                                                               |      | 96.5                                                                                         |       | 86.5                                                                                         |       |     |      |     |      |     |      |     | 100   |      |      |      |                                                                                        |      | 115  |     |
| 120                                                                                  | 123   | 120                                                                                      | 125  | 91.5                                                                                           | 105  | 78.5                                                                                          |      | 92.5                                                                                         |       | 83                                                                                           |       |     |      |     |      |     |      |     | 96    |      |      | 86   |                                                                                        |      | 120  |     |
| 125                                                                                  | 117   | 118                                                                                      | 119  | 89.5                                                                                           | 100  | 77                                                                                            |      | 88.5                                                                                         |       | 79                                                                                           |       |     |      |     |      |     |      |     | 92.5  |      |      | 82.5 |                                                                                        |      | 125  |     |
| 130                                                                                  | 111   | 115                                                                                      | 114  | 87.5                                                                                           | 97   | 75                                                                                            |      | 85                                                                                           | 63.5  | 75.5                                                                                         |       |     |      |     |      |     |      |     | 89    | 64.5 |      | 79   |                                                                                        |      | 130  |     |
| 135                                                                                  | 106   | 111                                                                                      | 109  | 85.5                                                                                           | 93.5 | 73.5                                                                                          |      | 82                                                                                           | 62    | 72.5                                                                                         |       |     |      |     |      |     |      |     | 88    | 98.5 | 75.5 | 85.5 | 63.5                                                                                   | 76   |      | 135 |
| 140                                                                                  | 101   | 106                                                                                      | 104  | 83.5                                                                                           | 90.5 | 72                                                                                            |      | 79                                                                                           | 60.5  | 69.5                                                                                         | 48.8  |     |      |     |      |     |      |     | 82.5  | 62   | 74   | 82.5 | 62                                                                                     | 73   | 51.3 | 140 |
| 150                                                                                  | 92.5  | 97                                                                                       | 94.5 | 80.5                                                                                           | 84.5 | 68.5                                                                                          |      | 73.5                                                                                         | 57.2  | 64.5                                                                                         | 45.2  |     |      |     |      |     |      |     | 77    | 58.9 | 70.5 | 77   | 58.9                                                                                   | 68   | 48.1 | 150 |
| 160                                                                                  | 84.5  | 88.5                                                                                     | 86.5 | 77.5                                                                                           | 79   | 66                                                                                            |      | 68.5                                                                                         | 54.4  | 60                                                                                           | 38.5  |     |      |     |      |     |      |     | 72    | 56.2 | 68   | 72   | 56.2                                                                                   | 63   | 42.3 | 160 |
| 170                                                                                  | 77.5  | 81                                                                                       | 79.5 | 75.5                                                                                           | 74.5 | 63                                                                                            |      | 64                                                                                           | 51.8  | 55.7                                                                                         | 31.4  |     |      |     |      |     |      |     | 67.5  | 53.6 | 59.1 | 67.5 | 53.6                                                                                   | 59.1 | 36.1 | 170 |
| 180                                                                                  | 71    |                                                                                          | 73.5 | 73.5                                                                                           | 70.5 | 61                                                                                            |      | 60                                                                                           | 49.5  | 51.7                                                                                         | 22.1  |     |      |     |      |     |      |     | 64    | 51.3 | 55.2 | 64   | 51.3                                                                                   | 55.2 | 28.7 | 180 |
| 190                                                                                  | 65.5  |                                                                                          | 67.5 |                                                                                                | 67   | 59.3                                                                                          |      | 56.7                                                                                         | 47.4  | 47.7                                                                                         | 13.9  |     |      |     |      |     |      |     | 60    | 49.2 | 51.4 | 60   | 49.2                                                                                   | 51.4 | 20.5 | 190 |
| 200                                                                                  |       |                                                                                          | 62.5 |                                                                                                | 63   | 57.8                                                                                          |      | 53.6                                                                                         | 45.3  | 41.3                                                                                         |       |     |      |     |      |     |      |     | 57    | 47.3 | 47.4 | 57   | 47.3                                                                                   | 47.4 |      | 200 |
| 210                                                                                  |       |                                                                                          |      |                                                                                                | 58.9 |                                                                                               |      | 50.6                                                                                         | 42.6  | 30.2                                                                                         |       |     |      |     |      |     |      |     | 56    | 58   | 42.8 | 56   | 58                                                                                     | 42.8 |      | 210 |
| 220                                                                                  |       |                                                                                          |      |                                                                                                | 54.7 |                                                                                               |      | 48.3                                                                                         | 39.7  | 19.1                                                                                         |       |     |      |     |      |     |      |     | 51.9  | 54.8 | 43   | 51.9 | 54.8                                                                                   | 43   |      | 220 |
| 230                                                                                  |       |                                                                                          |      |                                                                                                | 50.8 |                                                                                               |      | 46.1                                                                                         | 33.6  |                                                                                              |       |     |      |     |      |     |      |     | 48    | 48.4 | 40.3 | 48   | 48.4                                                                                   | 40.3 | 23.1 | 230 |
| 240                                                                                  |       |                                                                                          |      |                                                                                                |      |                                                                                               |      | 43.3                                                                                         |       |                                                                                              |       |     |      |     |      |     |      |     | 44.5  |      | 36.1 | 44.5 |                                                                                        | 36.1 | 15   | 240 |
| 250                                                                                  |       |                                                                                          |      |                                                                                                |      |                                                                                               |      |                                                                                              |       |                                                                                              |       |     |      |     |      |     |      |     |       |      |      | 42   |                                                                                        |      |      | 250 |
| 260                                                                                  |       |                                                                                          |      |                                                                                                |      |                                                                                               |      |                                                                                              |       |                                                                                              |       |     |      |     |      |     |      |     |       |      |      | 39   |                                                                                        |      |      | 260 |
| 270                                                                                  |       |                                                                                          |      |                                                                                                |      |                                                                                               |      |                                                                                              |       |                                                                                              |       |     |      |     |      |     |      |     |       |      |      | 36.2 |                                                                                        |      |      | 270 |

TAB 181198

J

|                                                                                        |       |  157 ft |      |  157 – 295 ft |      |  39 – 118 ft |      |  143000 lbs |       |  419000 lbs |       |      |      |      |      |      |      |      |       |      |                                                                                          |     |     |  |  |  |  |  |  |  |  |
|----------------------------------------------------------------------------------------|-------|--------------------------------------------------------------------------------------------|------|--------------------------------------------------------------------------------------------------|------|-------------------------------------------------------------------------------------------------|------|------------------------------------------------------------------------------------------------|-------|------------------------------------------------------------------------------------------------|-------|------|------|------|------|------|------|------|-------|------|------------------------------------------------------------------------------------------|-----|-----|--|--|--|--|--|--|--|--|
|  ft | S 157 |                                                                                            |      |                                                                                                  |      |                                                                                                 |      |                                                                                                |       |                                                                                                |       |      |      |      |      |      |      |      |       |      |  ft |     |     |  |  |  |  |  |  |  |  |
|                                                                                        | W 157 |                                                                                            |      |                                                                                                  |      |                                                                                                 |      |                                                                                                |       |                                                                                                | W 177 |      |      |      |      |      |      |      |       |      |                                                                                          |     |     |  |  |  |  |  |  |  |  |
|                                                                                        | F 39  |                                                                                            | F 59 |                                                                                                  | F 79 |                                                                                                 | F 98 |                                                                                                | F 118 |                                                                                                | F 39  |      | F 59 |      | F 79 |      | F 98 |      | F 118 |      |                                                                                          |     |     |  |  |  |  |  |  |  |  |
|                                                                                        | 10°   | 30°                                                                                        | 10°  | 30°                                                                                              | 10°  | 30°                                                                                             | 10°  | 30°                                                                                            | 10°   | 30°                                                                                            | 10°   | 30°  | 10°  | 30°  | 10°  | 30°  | 10°  | 30°  | 10°   | 30°  |                                                                                          |     |     |  |  |  |  |  |  |  |  |
| 95                                                                                     | 151   |                                                                                            |      |                                                                                                  |      |                                                                                                 |      |                                                                                                |       |                                                                                                |       | 147  |      |      |      |      |      |      |       |      |                                                                                          | 95  |     |  |  |  |  |  |  |  |  |
| 100                                                                                    | 142   | 138                                                                                        | 145  |                                                                                                  |      |                                                                                                 |      |                                                                                                |       |                                                                                                |       | 138  |      |      |      |      |      |      |       |      |                                                                                          | 100 |     |  |  |  |  |  |  |  |  |
| 105                                                                                    | 134   | 135                                                                                        | 137  |                                                                                                  |      |                                                                                                 |      |                                                                                                |       |                                                                                                |       | 130  | 136  | 132  |      |      |      |      |       |      |                                                                                          | 105 |     |  |  |  |  |  |  |  |  |
| 110                                                                                    | 127   | 132                                                                                        | 129  | 98.5                                                                                             | 119  |                                                                                                 |      |                                                                                                |       |                                                                                                |       | 123  | 128  | 125  |      | 116  |      |      |       |      |                                                                                          | 110 |     |  |  |  |  |  |  |  |  |
| 115                                                                                    | 120   | 126                                                                                        | 123  | 97                                                                                               | 117  |                                                                                                 |      |                                                                                                |       |                                                                                                |       | 116  | 121  | 118  |      | 115  |      |      |       |      |                                                                                          | 115 |     |  |  |  |  |  |  |  |  |
| 120                                                                                    | 114   | 119                                                                                        | 116  | 95                                                                                               | 113  |                                                                                                 |      | 98.5                                                                                           |       |                                                                                                |       | 110  | 115  | 112  | 96.5 | 112  |      |      |       |      |                                                                                          | 120 |     |  |  |  |  |  |  |  |  |
| 125                                                                                    | 108   | 113                                                                                        | 111  | 93.5                                                                                             | 109  | 79                                                                                              | 95   |                                                                                                |       | 84.5                                                                                           |       | 104  | 109  | 106  | 94.5 | 107  |      | 95.5 |       | 84   |                                                                                          | 125 |     |  |  |  |  |  |  |  |  |
| 130                                                                                    | 102   | 107                                                                                        | 105  | 91.5                                                                                             | 105  | 78                                                                                              | 92   |                                                                                                |       | 81.5                                                                                           |       | 99   | 103  | 101  | 93   | 102  | 79   | 93.5 |       | 82.5 |                                                                                          | 130 |     |  |  |  |  |  |  |  |  |
| 135                                                                                    | 97.5  | 102                                                                                        | 100  | 89.5                                                                                             | 100  | 76.5                                                                                            | 89   |                                                                                                |       | 78.5                                                                                           |       | 94   | 98.5 | 96   | 91.5 | 97   | 78   | 91   |       | 80.5 |                                                                                          | 135 |     |  |  |  |  |  |  |  |  |
| 140                                                                                    | 93    | 97.5                                                                                       | 95.5 | 88                                                                                               | 95.5 | 75                                                                                              | 86   | 61.5                                                                                           |       | 76                                                                                             |       | 89.5 | 93.5 | 91.5 | 90   | 92.5 | 76   | 88.5 | 63    | 78   |                                                                                          | 140 |     |  |  |  |  |  |  |  |  |
| 150                                                                                    | 84    | 88.5                                                                                       | 87   | 85                                                                                               | 87   | 72                                                                                              | 80.5 | 60                                                                                             |       | 71                                                                                             |       | 81   | 84.5 | 83   | 85.5 | 84   | 73.5 | 82.5 | 61.5  | 73.5 |                                                                                          | 150 |     |  |  |  |  |  |  |  |  |
| 160                                                                                    | 76.5  | 80.5                                                                                       | 79   | 81.5                                                                                             | 79.5 | 69.5                                                                                            | 75.5 | 57.5                                                                                           |       | 66                                                                                             | 45    | 73.5 | 76.5 | 75.5 | 79.5 | 76.5 | 71   | 76.5 | 58.8  | 69   | 47.6                                                                                     | 160 |     |  |  |  |  |  |  |  |  |
| 170                                                                                    | 69.5  | 73                                                                                         | 72.5 | 76                                                                                               | 72.5 | 67                                                                                              | 71   | 55.1                                                                                           | 62    | 39.4                                                                                           |       | 66.5 | 69.5 | 68.5 | 72.5 | 70   | 68.5 | 69.5 | 56.5  | 64.5 | 42.5                                                                                     | 170 |     |  |  |  |  |  |  |  |  |
| 180                                                                                    | 63.5  | 67                                                                                         | 66.5 | 69.5                                                                                             | 66.5 | 64.5                                                                                            | 66.5 | 52.9                                                                                           | 58.1  | 33.7                                                                                           |       | 60.5 | 63.5 | 62.5 | 66   | 64   | 66.5 | 64   | 54.3  | 61   | 37.3                                                                                     | 180 |     |  |  |  |  |  |  |  |  |
| 190                                                                                    | 58.1  | 61                                                                                         | 60.5 | 64                                                                                               | 61   | 62.5                                                                                            | 62   | 50.7                                                                                           | 54.4  | 26.7                                                                                           |       | 55.2 | 57.7 | 57.1 | 60.5 | 58.6 | 62.5 | 58.5 | 52.3  | 57.1 | 31.6                                                                                     | 190 |     |  |  |  |  |  |  |  |  |
| 200                                                                                    | 53.1  | 55.9                                                                                       | 55.7 | 58.4                                                                                             | 56.1 | 60                                                                                              | 57   | 48.8                                                                                           | 50.8  | 19.1                                                                                           |       | 50.2 | 52.5 | 52.1 | 55.2 | 53.6 | 57.5 | 53.5 | 50.4  | 53   | 25.2                                                                                     | 200 |     |  |  |  |  |  |  |  |  |
| 210                                                                                    | 48.6  |                                                                                            | 51.1 | 53.5                                                                                             | 51.5 | 55.7                                                                                            | 52.4 | 47.2                                                                                           | 47.2  |                                                                                                |       | 45.7 | 47.8 | 47.6 | 50.3 | 49   | 52.6 | 49   | 48.5  | 48.6 | 18                                                                                       | 210 |     |  |  |  |  |  |  |  |  |
| 220                                                                                    | 44.6  |                                                                                            | 47   | 49.1                                                                                             | 47.4 | 51.3                                                                                            | 48.4 | 45.6                                                                                           | 42.3  |                                                                                                |       | 41.7 | 43.5 | 43.5 | 46   | 45   | 48.3 | 45   | 47.1  | 44.6 | 11.8                                                                                     | 220 |     |  |  |  |  |  |  |  |  |
| 230                                                                                    | 41    |                                                                                            | 43.2 |                                                                                                  | 43.7 | 47.1                                                                                            | 44.6 | 43.3                                                                                           | 34.5  |                                                                                                |       | 38   |      | 39.8 |      | 42   | 41.2 | 44.2 | 41.3  | 44.5 |                                                                                          | 230 |     |  |  |  |  |  |  |  |  |
| 240                                                                                    |       |                                                                                            | 39.7 |                                                                                                  | 40.1 | 43.3                                                                                            | 41.1 | 40.6                                                                                           | 25.4  |                                                                                                |       | 34.6 |      | 36.3 |      |      | 37.7 | 40.4 | 37.8  | 41.3 | 35.8                                                                                     |     | 240 |  |  |  |  |  |  |  |  |
| 250                                                                                    |       |                                                                                            |      |                                                                                                  | 36.9 |                                                                                                 |      | 37.9                                                                                           | 37.8  | 16.6                                                                                           |       |      |      | 33   |      |      | 34.4 | 36.9 | 34.6  | 37.8 | 27.9                                                                                     |     | 250 |  |  |  |  |  |  |  |  |
| 260                                                                                    |       |                                                                                            |      |                                                                                                  | 33.9 |                                                                                                 |      | 34.9                                                                                           | 32.1  | 11.4                                                                                           |       |      |      | 30.1 |      |      | 31.5 | 33.6 | 31.7  | 34.6 | 19.4                                                                                     |     | 260 |  |  |  |  |  |  |  |  |
| 270                                                                                    |       |                                                                                            |      |                                                                                                  |      |                                                                                                 |      | 32.2                                                                                           |       |                                                                                                |       |      |      |      |      |      | 28.7 |      | 28.9  | 31.6 | 13.5                                                                                     |     | 270 |  |  |  |  |  |  |  |  |
| 280                                                                                    |       |                                                                                            |      |                                                                                                  |      |                                                                                                 |      | 29.6                                                                                           |       |                                                                                                |       |      |      |      |      |      | 26.1 |      | 26.4  | 28.6 |                                                                                          |     | 280 |  |  |  |  |  |  |  |  |
| 290                                                                                    |       |                                                                                            |      |                                                                                                  |      |                                                                                                 |      |                                                                                                |       |                                                                                                |       |      |      |      |      |      |      | 23.9 |       |      |                                                                                          |     | 290 |  |  |  |  |  |  |  |  |
| 300                                                                                    |       |                                                                                            |      |                                                                                                  |      |                                                                                                 |      |                                                                                                |       |                                                                                                |       |      |      |      |      |      |      | 21.7 |       |      |                                                                                          |     | 300 |  |  |  |  |  |  |  |  |

TAB 181198











SWF

S 197



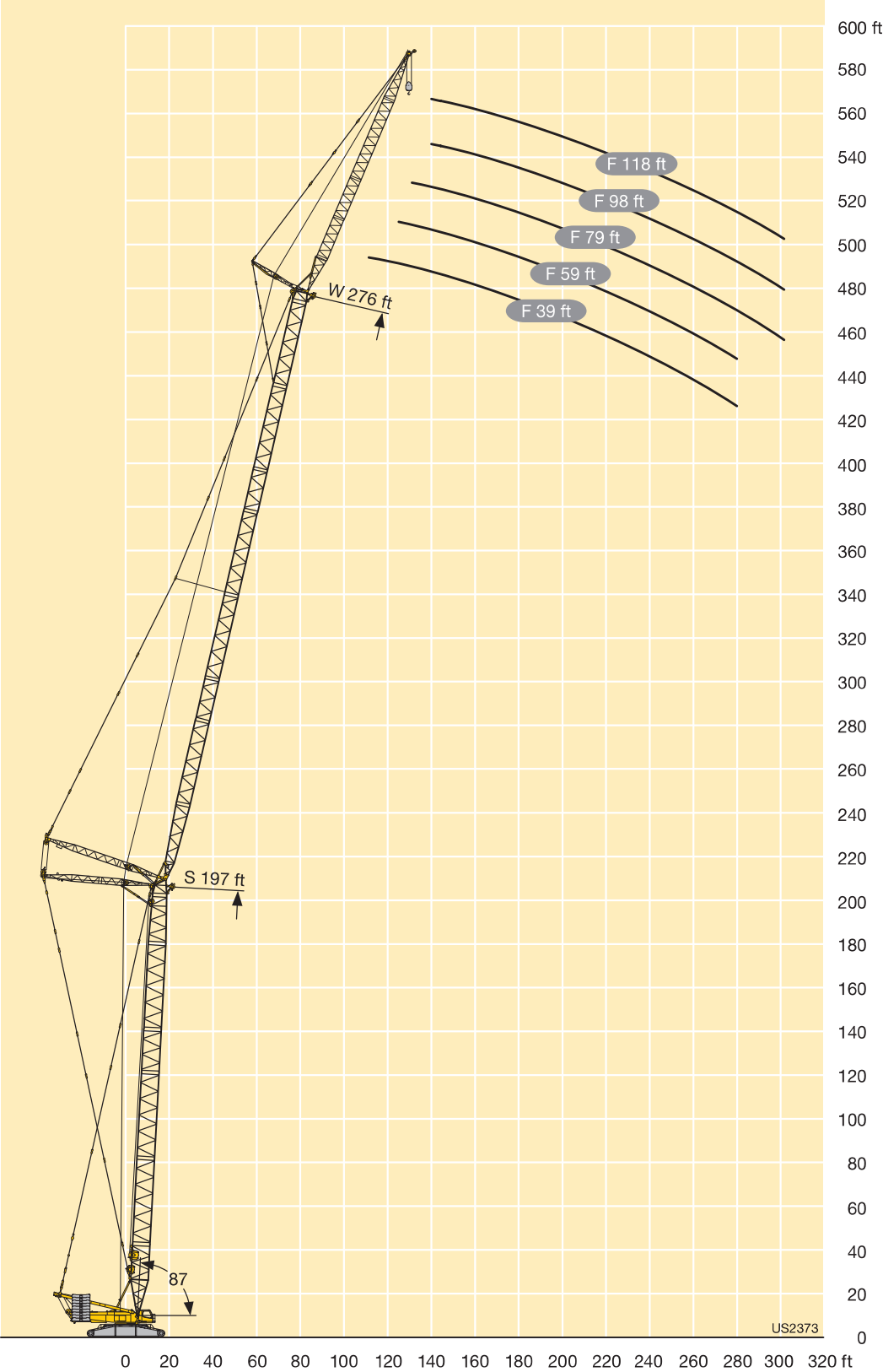
|  ft | S 197 |      |      |      |      |      |      |      |       |      |  ft |
|--------------------------------------------------------------------------------------|-------|------|------|------|------|------|------|------|-------|------|----------------------------------------------------------------------------------------|
|                                                                                      | W 276 |      |      |      |      |      |      |      |       |      |                                                                                        |
|                                                                                      | F 39  |      | F 59 |      | F 79 |      | F 98 |      | F 118 |      |                                                                                        |
|                                                                                      | 10°   | 30°  | 10°  | 30°  | 10°  | 30°  | 10°  | 30°  | 10°   | 30°  |                                                                                        |
| 110                                                                                  | 99.5  |      |      |      |      |      |      |      |       |      | 110                                                                                    |
| 115                                                                                  | 95.5  |      |      |      |      |      |      |      |       |      | 115                                                                                    |
| 120                                                                                  | 90    |      |      |      |      |      |      |      |       |      | 120                                                                                    |
| 125                                                                                  | 85    | 89   | 84   |      |      |      |      |      |       |      | 125                                                                                    |
| 130                                                                                  | 80.5  | 84   | 81   |      | 73.5 |      |      |      |       |      | 130                                                                                    |
| 135                                                                                  | 76    | 79.5 | 77   |      | 73   |      |      |      |       |      | 135                                                                                    |
| 140                                                                                  | 72    | 75.5 | 73   | 75.5 | 72   |      | 63.5 |      | 56.1  |      | 140                                                                                    |
| 150                                                                                  | 64    | 67.5 | 65.5 | 71   | 67.5 |      | 62.5 |      | 55.5  |      | 150                                                                                    |
| 160                                                                                  | 57.3  | 60   | 58.6 | 64   | 60.5 | 62.5 | 60.5 |      | 54.4  |      | 160                                                                                    |
| 170                                                                                  | 51.1  | 53.8 | 52.4 | 57.3 | 54.3 | 58.8 | 54.3 | 53.6 | 53.3  |      | 170                                                                                    |
| 180                                                                                  | 45.7  | 48.1 | 47   | 51.6 | 49   | 53.2 | 48.9 | 52.5 | 48.3  |      | 180                                                                                    |
| 190                                                                                  | 40.8  | 42.9 | 42   | 46.4 | 44   | 47.9 | 44.1 | 48.9 | 43.5  | 42.2 | 190                                                                                    |
| 200                                                                                  | 36.2  | 38.2 | 37.5 | 41.5 | 39.5 | 43.1 | 39.6 | 44.1 | 39.1  | 37.3 | 200                                                                                    |
| 210                                                                                  | 32    | 33.8 | 33.3 | 37.1 | 35.3 | 38.6 | 35.4 | 39.6 | 35    | 32.7 | 210                                                                                    |
| 220                                                                                  | 28.3  | 29.9 | 29.5 | 33.1 | 31.5 | 34.6 | 31.7 | 35.6 | 31.4  | 28   | 220                                                                                    |
| 230                                                                                  | 24.9  | 26.3 | 26.1 | 29.3 | 28   | 30.8 | 28.3 | 31.9 | 28    | 22.5 | 230                                                                                    |
| 240                                                                                  | 21.6  | 22.9 | 22.8 | 25.9 | 24.8 | 27.3 | 25   | 28.4 | 24.8  | 16.7 | 240                                                                                    |
| 250                                                                                  | 18.6  | 19.7 | 19.8 | 22.6 | 21.7 | 24.1 | 22   | 25.1 | 21.9  |      | 250                                                                                    |
| 260                                                                                  | 15.9  | 16.8 | 17   | 19.6 | 18.9 | 21.1 | 19.3 | 22.1 | 19.2  |      | 260                                                                                    |
| 270                                                                                  | 13.4  | 14.1 | 14.5 | 16.8 | 16.3 | 18.3 | 16.7 | 19.3 | 16.6  |      | 270                                                                                    |
| 280                                                                                  | 11    |      | 12   | 14.2 | 13.9 | 15.6 | 14.3 | 16.6 | 14.2  |      | 280                                                                                    |
| 290                                                                                  |       |      |      |      | 11.6 | 13.1 | 12   | 14.1 | 12    |      | 290                                                                                    |
| 300                                                                                  |       |      |      |      | 9.5  | 10.7 | 9.9  | 11.8 | 9.9   |      | 300                                                                                    |

TAB 181198



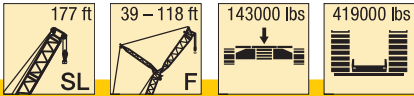
**Lifting heights  
Hauteurs de levage**

**SWF**



SLF

SL 177



|  ft | SL 177 |      |     |      |      |      |      |      |      |      |      |      |       |      |      |  ft |
|--------------------------------------------------------------------------------------|--------|------|-----|------|------|------|------|------|------|------|------|------|-------|------|------|----------------------------------------------------------------------------------------|
|                                                                                      | F 39   |      |     | F 59 |      |      | F 79 |      |      | F 98 |      |      | F 118 |      |      |                                                                                        |
|                                                                                      | 10°    | 15°  | 30° | 10°  | 15°  | 30°  | 10°  | 15°  | 30°  | 10°  | 15°  | 30°  | 10°   | 15°  | 30°  |                                                                                        |
| 32                                                                                   | 303    |      |     |      |      |      |      |      |      |      |      |      |       |      |      | 32                                                                                     |
| 34                                                                                   | 303    |      |     |      |      |      |      |      |      |      |      |      |       |      |      | 34                                                                                     |
| 36                                                                                   | 303    |      |     |      |      |      |      |      |      |      |      |      |       |      |      | 36                                                                                     |
| 38                                                                                   | 303    |      |     |      |      |      |      |      |      |      |      |      |       |      |      | 38                                                                                     |
| 40                                                                                   | 303    | 302  |     |      |      |      |      |      |      |      |      |      |       |      |      | 40                                                                                     |
| 45                                                                                   | 303    | 301  | 167 | 246  | 204  |      |      |      |      |      |      |      |       |      |      | 45                                                                                     |
| 50                                                                                   | 303    | 288  | 162 | 235  | 195  |      |      |      |      |      |      |      |       |      |      | 50                                                                                     |
| 55                                                                                   | 303    | 272  | 157 | 221  | 186  |      | 173  |      |      | 151  |      |      |       |      |      | 55                                                                                     |
| 60                                                                                   | 299    | 258  | 152 | 209  | 177  | 113  | 164  | 139  |      | 142  | 121  |      | 132   |      |      | 60                                                                                     |
| 65                                                                                   | 282    | 247  | 147 | 198  | 169  | 109  | 155  | 133  |      | 135  | 115  |      | 124   | 105  |      | 65                                                                                     |
| 70                                                                                   | 260    | 236  | 143 | 188  | 162  | 106  | 147  | 127  |      | 128  | 110  |      | 117   | 100  |      | 70                                                                                     |
| 75                                                                                   | 239    | 226  | 139 | 179  | 155  | 103  | 140  | 122  | 86.5 | 121  | 105  |      | 111   | 95.5 |      | 75                                                                                     |
| 80                                                                                   | 220    | 216  | 135 | 170  | 149  | 101  | 134  | 116  | 84   | 115  | 100  | 72.5 | 105   | 91   |      | 80                                                                                     |
| 85                                                                                   | 202    | 203  | 132 | 163  | 142  | 98   | 127  | 112  | 81.5 | 110  | 95.5 | 70   | 100   | 86.5 | 62   | 85                                                                                     |
| 90                                                                                   | 186    | 187  | 129 | 156  | 138  | 95.5 | 122  | 108  | 79   | 105  | 92   | 68   | 95.5  | 83   | 59.9 | 90                                                                                     |
| 95                                                                                   | 171    | 173  | 126 | 150  | 133  | 93   | 117  | 104  | 77   | 100  | 88.5 | 66   | 91    | 79.5 | 57.8 | 95                                                                                     |
| 100                                                                                  | 159    | 160  | 123 | 144  | 129  | 90.5 | 113  | 100  | 75   | 95.5 | 85   | 64   | 86.5  | 76   | 55.8 | 100                                                                                    |
| 105                                                                                  | 147    | 148  | 120 | 138  | 124  | 88.5 | 108  | 97   | 73   | 92   | 81.5 | 62   | 82.5  | 73   | 54   | 105                                                                                    |
| 110                                                                                  | 137    | 139  | 118 | 133  | 120  | 86.5 | 104  | 93.5 | 71   | 88.5 | 79   | 60   | 79    | 70   | 52.2 | 110                                                                                    |
| 115                                                                                  | 128    | 129  | 115 | 129  | 116  | 84.5 | 99.5 | 90.5 | 69.5 | 85   | 76.5 | 58.3 | 76    | 67.5 | 50.6 | 115                                                                                    |
| 120                                                                                  | 120    | 121  | 113 | 123  | 113  | 83   | 96   | 87   | 68   | 81.5 | 73.5 | 56.7 | 73    | 65   | 49.2 | 120                                                                                    |
| 125                                                                                  | 113    | 114  | 110 | 116  | 110  | 81.5 | 93   | 84.5 | 66.5 | 78   | 71   | 55.2 | 70    | 62.5 | 47.7 | 125                                                                                    |
| 130                                                                                  | 106    | 107  | 108 | 109  | 106  | 80   | 90.5 | 82   | 65   | 75.5 | 68.5 | 53.9 | 67    | 60.5 | 46.1 | 130                                                                                    |
| 135                                                                                  | 100    | 101  | 103 | 103  | 102  | 78.5 | 87.5 | 80   | 63.5 | 73   | 66.5 | 52.6 | 64.5  | 58.2 | 44.2 | 135                                                                                    |
| 140                                                                                  | 94.5   | 95   | 97  | 97.5 | 97.5 | 77   | 84.5 | 77.5 | 62.5 | 71   | 64.5 | 51.2 | 62.5  | 56   | 42.3 | 140                                                                                    |
| 150                                                                                  | 84     | 84.5 | 86  | 87   | 88   | 74.5 | 79.5 | 73.5 | 60   | 66.5 | 60.5 | 48.9 | 58.1  | 52.4 | 38.4 | 150                                                                                    |
| 160                                                                                  | 75     | 75.5 | 77  | 78   | 78.5 | 72.5 | 75.5 | 70   | 58   | 62   | 57.2 | 46.9 | 54.1  | 49.3 | 33.6 | 160                                                                                    |
| 170                                                                                  | 67.5   | 68   | 69  | 70   | 70.5 | 70.5 | 71.5 | 66.5 | 56.2 | 58.9 | 54.1 | 44.9 | 50.1  | 46.3 | 25.9 | 170                                                                                    |
| 180                                                                                  | 60.5   | 61   |     | 63.5 | 64   | 65   | 65   | 63.5 | 54.5 | 55.7 | 51.6 | 43.3 | 46.7  | 40.5 | 17.7 | 180                                                                                    |
| 190                                                                                  | 54.4   | 54.7 |     | 57.2 | 57.7 | 59   | 59.2 | 59.1 | 53.1 | 52.6 | 49.2 | 41.8 | 43.3  | 33.5 | 11.3 | 190                                                                                    |
| 200                                                                                  |        |      |     | 51.5 | 51.9 |      | 53.6 | 54.2 | 51.7 | 49.9 | 46.9 | 40.4 | 39.5  | 25.8 |      | 200                                                                                    |
| 210                                                                                  |        |      |     | 46.2 |      |      | 48.3 | 48.9 | 50.4 | 47.8 | 45.1 | 38.9 | 34.8  | 18.1 |      | 210                                                                                    |
| 220                                                                                  |        |      |     | 41.6 |      |      | 43.7 | 44.2 | 45.4 | 44.7 | 43.4 | 35.4 | 25.1  | 13.3 |      | 220                                                                                    |
| 230                                                                                  |        |      |     |      |      |      | 39.4 | 39.8 |      | 40.8 | 40.8 | 32   |       |      |      | 230                                                                                    |
| 240                                                                                  |        |      |     |      |      |      |      |      |      | 36.9 | 37.5 |      |       |      |      | 240                                                                                    |
| 250                                                                                  |        |      |     |      |      |      |      |      |      | 33.3 |      |      |       |      |      | 250                                                                                    |
| 260                                                                                  |        |      |     |      |      |      |      |      |      | 30.1 |      |      |       |      |      | 260                                                                                    |

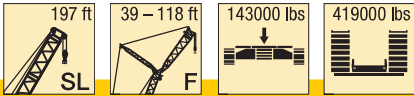
K

TAB 181118



SLF

SL 197



|  ft | SL 197 |      |      |      |      |      |      |      |      |      |      |      |       |      |      |  ft |
|--------------------------------------------------------------------------------------|--------|------|------|------|------|------|------|------|------|------|------|------|-------|------|------|----------------------------------------------------------------------------------------|
|                                                                                      | F 39   |      |      | F 59 |      |      | F 79 |      |      | F 98 |      |      | F 118 |      |      |                                                                                        |
|                                                                                      | 10°    | 15°  | 30°  | 10°  | 15°  | 30°  | 10°  | 15°  | 30°  | 10°  | 15°  | 30°  | 10°   | 15°  | 30°  |                                                                                        |
| 36                                                                                   | 303    |      |      |      |      |      |      |      |      |      |      |      |       |      |      | 36                                                                                     |
| 38                                                                                   | 303    |      |      |      |      |      |      |      |      |      |      |      |       |      |      | 38                                                                                     |
| 40                                                                                   | 303    | 303  |      |      |      |      |      |      |      |      |      |      |       |      |      | 40                                                                                     |
| 45                                                                                   | 303    | 303  |      | 249  |      |      |      |      |      |      |      |      |       |      |      | 45                                                                                     |
| 50                                                                                   | 303    | 293  |      | 238  |      |      |      |      |      |      |      |      |       |      |      | 50                                                                                     |
| 55                                                                                   | 303    | 280  | 158  | 226  | 189  |      | 176  |      |      |      |      |      |       |      |      | 55                                                                                     |
| 60                                                                                   | 298    | 266  | 154  | 215  | 180  | 114  | 166  | 141  |      | 145  |      |      | 133   |      |      | 60                                                                                     |
| 65                                                                                   | 272    | 254  | 149  | 203  | 173  | 110  | 159  | 135  |      | 137  | 116  |      | 126   | 106  |      | 65                                                                                     |
| 70                                                                                   | 250    | 244  | 146  | 194  | 166  | 107  | 151  | 130  |      | 130  | 111  |      | 119   | 102  |      | 70                                                                                     |
| 75                                                                                   | 230    | 230  | 142  | 185  | 159  | 105  | 144  | 124  | 87   | 124  | 107  |      | 114   | 97.5 |      | 75                                                                                     |
| 80                                                                                   | 212    | 214  | 138  | 177  | 153  | 102  | 138  | 119  | 84.5 | 118  | 102  | 72.5 | 108   | 93   |      | 80                                                                                     |
| 85                                                                                   | 197    | 199  | 135  | 169  | 147  | 99.5 | 132  | 115  | 82   | 113  | 98   | 70.5 | 102   | 89   |      | 85                                                                                     |
| 90                                                                                   | 182    | 184  | 132  | 163  | 142  | 97   | 126  | 111  | 80   | 108  | 94   | 68.5 | 98    | 84.5 |      | 90                                                                                     |
| 95                                                                                   | 169    | 170  | 129  | 157  | 138  | 94.5 | 121  | 107  | 78   | 104  | 90.5 | 66.5 | 94    | 81   | 58.2 | 95                                                                                     |
| 100                                                                                  | 156    | 157  | 126  | 151  | 133  | 92.5 | 117  | 103  | 76   | 99   | 87.5 | 64.5 | 89.5  | 78   | 56.3 | 100                                                                                    |
| 105                                                                                  | 145    | 146  | 123  | 145  | 129  | 90.5 | 113  | 99.5 | 74   | 95   | 84   | 62.5 | 85.5  | 75   | 54.6 | 105                                                                                    |
| 110                                                                                  | 135    | 136  | 121  | 138  | 125  | 88.5 | 109  | 96.5 | 72.5 | 92   | 81   | 61   | 82    | 72   | 52.9 | 110                                                                                    |
| 115                                                                                  | 126    | 127  | 118  | 129  | 121  | 86.5 | 105  | 93.5 | 71   | 88.5 | 78.5 | 59.4 | 79    | 69.5 | 51.3 | 115                                                                                    |
| 120                                                                                  | 117    | 118  | 116  | 121  | 117  | 85   | 101  | 90.5 | 69.5 | 85.5 | 76   | 57.8 | 76    | 67   | 49.9 | 120                                                                                    |
| 125                                                                                  | 110    | 111  | 113  | 113  | 114  | 83   | 97   | 88   | 68   | 82   | 74   | 56.1 | 73.5  | 65   | 48.5 | 125                                                                                    |
| 130                                                                                  | 103    | 104  | 106  | 107  | 108  | 81.5 | 94   | 85   | 66.5 | 79   | 71.5 | 54.9 | 70.5  | 62.5 | 47.1 | 130                                                                                    |
| 135                                                                                  | 97     | 98   | 100  | 100  | 102  | 80.5 | 91.5 | 83   | 65   | 76.5 | 69   | 53.7 | 68    | 60.5 | 45.5 | 135                                                                                    |
| 140                                                                                  | 91.5   | 92   | 94.5 | 94.5 | 96   | 79   | 89   | 81   | 64   | 74   | 67   | 52.4 | 65    | 58.4 | 43.8 | 140                                                                                    |
| 150                                                                                  | 81     | 82   | 83.5 | 84   | 85   | 76.5 | 83.5 | 76.5 | 61.5 | 69.5 | 63   | 50.1 | 60.5  | 54.6 | 40.2 | 150                                                                                    |
| 160                                                                                  | 72     | 73   | 74.5 | 75   | 76   | 73.5 | 77   | 73   | 59.5 | 65.5 | 59.8 | 47.9 | 56.9  | 51.3 | 36.3 | 160                                                                                    |
| 170                                                                                  | 64.5   | 65   | 66.5 | 67   | 68   | 69.5 | 69   | 69.5 | 57.5 | 61.5 | 56.4 | 46.1 | 53.2  | 48.5 | 31.4 | 170                                                                                    |
| 180                                                                                  | 57.3   | 57.7 | 59   | 60.5 | 61   | 63   | 62.5 | 63   | 55.9 | 58.6 | 53.8 | 44.3 | 49.7  | 45.6 | 24   | 180                                                                                    |
| 190                                                                                  | 50.9   | 51.3 | 52.4 | 53.9 | 54.6 | 56.2 | 56.1 | 57   | 54.4 | 55.5 | 51.4 | 42.8 | 46.4  | 40.5 | 16.4 | 190                                                                                    |
| 200                                                                                  | 45.1   | 45.4 |      | 48.1 | 48.6 | 50.1 | 50.3 | 51.1 | 51.9 | 51.7 | 49.1 | 41.5 | 43.2  | 33.7 | 10.1 | 200                                                                                    |
| 210                                                                                  | 39.9   |      |      | 42.8 | 43.2 |      | 44.9 | 45.6 | 47.5 | 46.4 | 46.9 | 40.3 | 40    | 26.7 |      | 210                                                                                    |
| 220                                                                                  | 35.3   |      |      | 38.1 | 38.5 |      | 40.3 | 40.9 | 42.5 | 41.7 | 42.4 | 38.8 | 35.4  | 19.6 |      | 220                                                                                    |
| 230                                                                                  |        |      |      | 33.9 | 34.2 |      | 36   | 36.5 | 37.9 | 37.4 | 38.2 | 36.2 | 27.8  | 14.5 |      | 230                                                                                    |
| 240                                                                                  |        |      |      |      |      |      | 32   | 32.5 |      | 33.5 | 34.1 | 33   |       |      |      | 240                                                                                    |
| 250                                                                                  |        |      |      |      |      |      | 28.4 |      |      | 29.8 | 30.4 | 29.9 |       |      |      | 250                                                                                    |
| 260                                                                                  |        |      |      |      |      |      | 25.1 |      |      | 26.6 | 27.1 | 27.2 |       |      |      | 260                                                                                    |
| 270                                                                                  |        |      |      |      |      |      |      |      |      | 23.6 | 24   |      |       |      |      | 270                                                                                    |

TAB 181111

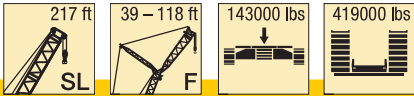
TAB 181118

K



SLF

SL 217



|  ft | SL 217 |      |      |      |      |      |      |      |      |      |      |      |       |      |      |  ft |  |
|--------------------------------------------------------------------------------------|--------|------|------|------|------|------|------|------|------|------|------|------|-------|------|------|----------------------------------------------------------------------------------------|--|
|                                                                                      | F 39   |      |      | F 59 |      |      | F 79 |      |      | F 98 |      |      | F 118 |      |      |                                                                                        |  |
|                                                                                      | 10°    | 15°  | 30°  | 10°  | 15°  | 30°  | 10°  | 15°  | 30°  | 10°  | 15°  | 30°  | 10°   | 15°  | 30°  |                                                                                        |  |
| 40                                                                                   | 303    |      |      |      |      |      |      |      |      |      |      |      |       |      |      | 40                                                                                     |  |
| 45                                                                                   | 303    | 303  |      | 251  |      |      |      |      |      |      |      |      |       |      |      | 45                                                                                     |  |
| 50                                                                                   | 303    | 296  |      | 241  |      |      |      |      |      |      |      |      |       |      |      | 50                                                                                     |  |
| 55                                                                                   | 299    | 286  | 160  | 230  | 192  |      | 178  |      |      |      |      |      |       |      |      | 55                                                                                     |  |
| 60                                                                                   | 288    | 273  | 155  | 219  | 184  |      | 169  | 143  |      | 147  |      |      | 135   |      |      | 60                                                                                     |  |
| 65                                                                                   | 262    | 261  | 151  | 209  | 177  | 111  | 161  | 137  |      | 139  | 118  |      | 128   |      |      | 65                                                                                     |  |
| 70                                                                                   | 240    | 242  | 147  | 199  | 170  | 108  | 154  | 132  |      | 133  | 113  |      | 121   |      |      | 70                                                                                     |  |
| 75                                                                                   | 221    | 223  | 144  | 191  | 163  | 105  | 148  | 127  | 87.5 | 127  | 108  |      | 116   | 98.5 |      | 75                                                                                     |  |
| 80                                                                                   | 204    | 206  | 141  | 183  | 157  | 103  | 141  | 122  | 85   | 121  | 104  |      | 110   | 94   |      | 80                                                                                     |  |
| 85                                                                                   | 189    | 191  | 137  | 176  | 152  | 101  | 136  | 117  | 83   | 116  | 100  | 71   | 105   | 90.5 |      | 85                                                                                     |  |
| 90                                                                                   | 175    | 177  | 134  | 168  | 147  | 98.5 | 131  | 113  | 80.5 | 111  | 96   | 69   | 101   | 86.5 |      | 90                                                                                     |  |
| 95                                                                                   | 163    | 165  | 131  | 162  | 142  | 96   | 125  | 110  | 78.5 | 107  | 92.5 | 67   | 96.5  | 83   | 58.8 | 95                                                                                     |  |
| 100                                                                                  | 152    | 154  | 129  | 154  | 137  | 94   | 120  | 106  | 76.5 | 103  | 89.5 | 65   | 92.5  | 79.5 | 57   | 100                                                                                    |  |
| 105                                                                                  | 142    | 143  | 126  | 144  | 133  | 91.5 | 116  | 102  | 75   | 98   | 86.5 | 63.5 | 88.5  | 77   | 55.3 | 105                                                                                    |  |
| 110                                                                                  | 132    | 133  | 124  | 136  | 129  | 90   | 113  | 99.5 | 73.5 | 94.5 | 83.5 | 62   | 84.5  | 74   | 53.6 | 110                                                                                    |  |
| 115                                                                                  | 123    | 124  | 121  | 127  | 125  | 88.5 | 109  | 96.5 | 72   | 91.5 | 80.5 | 60.5 | 81.5  | 71.5 | 51.9 | 115                                                                                    |  |
| 120                                                                                  | 115    | 116  | 117  | 118  | 120  | 86.5 | 105  | 94   | 70.5 | 88.5 | 78   | 58.7 | 78.5  | 69   | 50.4 | 120                                                                                    |  |
| 125                                                                                  | 107    | 108  | 111  | 111  | 112  | 85   | 102  | 91   | 69   | 85.5 | 76   | 57.2 | 76    | 66.5 | 49.1 | 125                                                                                    |  |
| 130                                                                                  | 100    | 101  | 104  | 104  | 105  | 83.5 | 98   | 88.5 | 67.5 | 82.5 | 74   | 55.7 | 73.5  | 64.5 | 47.8 | 130                                                                                    |  |
| 135                                                                                  | 94.5   | 95   | 98   | 98   | 99   | 82   | 94.5 | 86   | 66.5 | 80   | 71.5 | 54.5 | 70.5  | 62.5 | 46.4 | 135                                                                                    |  |
| 140                                                                                  | 88.5   | 89.5 | 92   | 92   | 93   | 80.5 | 91.5 | 83.5 | 65   | 77   | 69.5 | 53.4 | 68    | 60.5 | 45   | 140                                                                                    |  |
| 150                                                                                  | 78     | 79   | 81   | 81.5 | 82.5 | 78   | 83.5 | 79.5 | 62.5 | 72.5 | 65.5 | 51.1 | 63.5  | 56.6 | 41.8 | 150                                                                                    |  |
| 160                                                                                  | 69     | 70   | 71.5 | 72   | 73   | 74.5 | 74.5 | 75   | 60.5 | 68.5 | 62   | 48.9 | 59.4  | 53   | 38.4 | 160                                                                                    |  |
| 170                                                                                  | 61     | 61.5 | 63.5 | 64.5 | 65   | 67.5 | 66.5 | 67.5 | 58.7 | 64.5 | 58.9 | 47.1 | 55.9  | 50.3 | 34.9 | 170                                                                                    |  |
| 180                                                                                  | 53.7   | 54.3 | 55.9 | 57   | 57.9 | 60   | 59.3 | 60.5 | 56.9 | 60   | 55.8 | 45.4 | 52.5  | 47.7 | 29   | 180                                                                                    |  |
| 190                                                                                  | 47.3   | 47.8 | 49.2 | 50.5 | 51.2 | 53.3 | 52.8 | 53.9 | 54.3 | 54.4 | 53.1 | 43.8 | 49.2  | 44.7 | 22.3 | 190                                                                                    |  |
| 200                                                                                  | 41.5   | 41.9 | 43.1 | 44.6 | 45.3 | 47.1 | 46.9 | 47.8 | 50.4 | 48.4 | 49.6 | 42.4 | 46.1  | 40.5 | 15.4 | 200                                                                                    |  |
| 210                                                                                  | 36.3   | 36.6 |      | 39.2 | 39.8 | 41.4 | 41.5 | 42.3 | 44.6 | 43   | 44.1 | 41.2 | 43    | 33.9 |      | 210                                                                                    |  |
| 220                                                                                  | 31.7   | 32   |      | 34.6 | 35.1 | 36.4 | 36.8 | 37.5 | 39.5 | 38.3 | 39.3 | 40.1 | 38.9  | 27.3 |      | 220                                                                                    |  |
| 230                                                                                  | 27.6   | 27.8 |      | 30.3 | 30.7 |      | 32.5 | 33.1 | 34.9 | 34   | 34.9 | 37   | 34.8  | 20.7 |      | 230                                                                                    |  |
| 240                                                                                  |        |      |      | 26.4 | 26.8 |      | 28.5 | 29.1 | 30.6 | 30   | 30.8 | 33   | 29.4  | 15.1 |      | 240                                                                                    |  |
| 250                                                                                  |        |      |      | 22.8 |      |      | 24.9 | 25.4 |      | 26.3 | 27.1 | 29   | 21.8  | 11.3 |      | 250                                                                                    |  |
| 260                                                                                  |        |      |      | 19.6 |      |      | 21.6 | 22   |      | 23.1 | 23.7 | 25.4 | 13.5  | 7.6  |      | 260                                                                                    |  |
| 270                                                                                  |        |      |      |      |      |      | 18.6 | 18.9 |      | 20.1 | 20.6 | 22   |       |      |      | 270                                                                                    |  |
| 280                                                                                  |        |      |      |      |      |      |      |      |      | 17.3 | 17.7 |      |       |      |      | 280                                                                                    |  |
| 290                                                                                  |        |      |      |      |      |      |      |      |      | 14.7 |      |      |       |      |      | 290                                                                                    |  |
| 300                                                                                  |        |      |      |      |      |      |      |      |      | 12.3 |      |      |       |      |      | 300                                                                                    |  |

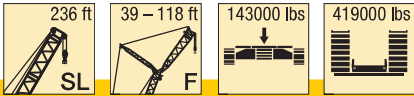
TAB 181118

K



SLF

SL 236



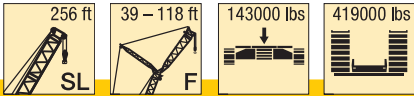
|  ft | SL 236 |      |      |      |      |      |      |      |      |      |      |      |       |      |      |  ft |  |
|--------------------------------------------------------------------------------------|--------|------|------|------|------|------|------|------|------|------|------|------|-------|------|------|----------------------------------------------------------------------------------------|--|
|                                                                                      | F 39   |      |      | F 59 |      |      | F 79 |      |      | F 98 |      |      | F 118 |      |      |                                                                                        |  |
|                                                                                      | 10°    | 15°  | 30°  | 10°  | 15°  | 30°  | 10°  | 15°  | 30°  | 10°  | 15°  | 30°  | 10°   | 15°  | 30°  |                                                                                        |  |
| 40                                                                                   | 303    |      |      |      |      |      |      |      |      |      |      |      |       |      |      | 40                                                                                     |  |
| 45                                                                                   | 303    | 303  |      |      |      |      |      |      |      |      |      |      |       |      |      | 45                                                                                     |  |
| 50                                                                                   | 303    | 298  |      |      |      |      |      |      |      |      |      |      |       |      |      | 50                                                                                     |  |
| 55                                                                                   | 295    | 289  | 160  | 231  | 194  |      |      |      |      |      |      |      |       |      |      | 55                                                                                     |  |
| 60                                                                                   | 277    | 276  | 156  | 222  | 186  |      | 172  | 144  |      | 148  |      |      |       |      |      | 60                                                                                     |  |
| 65                                                                                   | 253    | 255  | 152  | 213  | 179  | 111  | 164  | 139  |      | 141  | 118  |      | 128   |      |      | 65                                                                                     |  |
| 70                                                                                   | 232    | 235  | 149  | 204  | 173  | 108  | 157  | 133  |      | 135  | 114  |      | 123   |      |      | 70                                                                                     |  |
| 75                                                                                   | 213    | 216  | 145  | 196  | 166  | 106  | 151  | 129  |      | 129  | 110  |      | 117   | 99   |      | 75                                                                                     |  |
| 80                                                                                   | 197    | 199  | 142  | 188  | 160  | 104  | 145  | 124  | 85   | 124  | 106  |      | 113   | 95   |      | 80                                                                                     |  |
| 85                                                                                   | 182    | 184  | 139  | 181  | 155  | 101  | 139  | 119  | 83   | 119  | 102  | 71   | 108   | 91.5 |      | 85                                                                                     |  |
| 90                                                                                   | 169    | 171  | 136  | 170  | 150  | 99   | 134  | 115  | 81   | 114  | 98   | 69   | 103   | 88   |      | 90                                                                                     |  |
| 95                                                                                   | 157    | 159  | 133  | 159  | 145  | 97   | 129  | 112  | 79   | 110  | 94.5 | 67.5 | 98.5  | 84.5 | 58.9 | 95                                                                                     |  |
| 100                                                                                  | 146    | 148  | 131  | 149  | 141  | 95   | 124  | 108  | 77.5 | 106  | 91   | 65.5 | 95    | 81   | 57.2 | 100                                                                                    |  |
| 105                                                                                  | 136    | 138  | 128  | 139  | 137  | 93   | 119  | 105  | 75.5 | 102  | 88.5 | 64   | 91    | 78.5 | 55.5 | 105                                                                                    |  |
| 110                                                                                  | 128    | 129  | 126  | 130  | 131  | 91   | 116  | 102  | 74   | 97.5 | 85.5 | 62.5 | 87.5  | 76   | 54   | 110                                                                                    |  |
| 115                                                                                  | 120    | 121  | 123  | 122  | 124  | 89.5 | 112  | 99   | 72.5 | 94   | 82.5 | 61   | 84    | 73   | 52.4 | 115                                                                                    |  |
| 120                                                                                  | 112    | 113  | 117  | 115  | 116  | 88   | 109  | 96.5 | 71   | 91   | 80   | 59.4 | 80.5  | 70.5 | 50.9 | 120                                                                                    |  |
| 125                                                                                  | 105    | 106  | 109  | 108  | 109  | 86.5 | 106  | 94   | 69.5 | 88.5 | 78   | 58   | 78    | 68   | 49.5 | 125                                                                                    |  |
| 130                                                                                  | 98     | 99   | 102  | 101  | 103  | 85   | 102  | 91.5 | 68.5 | 85.5 | 75.5 | 56.5 | 75.5  | 66   | 48.3 | 130                                                                                    |  |
| 135                                                                                  | 92     | 93   | 96   | 95.5 | 97   | 83.5 | 96.5 | 89   | 67.5 | 83   | 73.5 | 55.3 | 73.5  | 64   | 47.1 | 135                                                                                    |  |
| 140                                                                                  | 86.5   | 87.5 | 90   | 89.5 | 91   | 82   | 91   | 86.5 | 66   | 80   | 71.5 | 54.1 | 71    | 62.5 | 45.9 | 140                                                                                    |  |
| 150                                                                                  | 76     | 77   | 79   | 79   | 80.5 | 78.5 | 81   | 80.5 | 64   | 75.5 | 67.5 | 52   | 66    | 58.6 | 43.1 | 150                                                                                    |  |
| 160                                                                                  | 66.5   | 67.5 | 69.5 | 70   | 71   | 74   | 72   | 73.5 | 61.5 | 70.5 | 64   | 49.9 | 61.5  | 55.1 | 39.9 | 160                                                                                    |  |
| 170                                                                                  | 58.2   | 59.1 | 61   | 61.5 | 63   | 65.5 | 64   | 65.5 | 59.8 | 65   | 61   | 47.8 | 58.3  | 51.9 | 36.7 | 170                                                                                    |  |
| 180                                                                                  | 51.1   | 51.9 | 53.7 | 54.4 | 55.4 | 58   | 56.8 | 58.1 | 58   | 58.2 | 58.2 | 46.2 | 55    | 49.4 | 33.1 | 180                                                                                    |  |
| 190                                                                                  | 44.7   | 45.4 | 47   | 47.8 | 48.8 | 51.1 | 50.2 | 51.4 | 53.8 | 51.7 | 53.1 | 44.7 | 51.1  | 46.9 | 27.6 | 190                                                                                    |  |
| 200                                                                                  | 38.9   | 39.5 | 40.9 | 41.9 | 42.8 | 44.8 | 44.2 | 45.3 | 48.1 | 45.7 | 47.1 | 43.2 | 46.4  | 44.1 | 21   | 200                                                                                    |  |
| 210                                                                                  | 33.7   | 34.2 | 35.4 | 36.6 | 37.4 | 39.2 | 38.8 | 39.8 | 42.4 | 40.3 | 41.6 | 41.8 | 41    | 40.3 | 14.5 | 210                                                                                    |  |
| 220                                                                                  | 29.1   | 29.6 | 30.6 | 32   | 32.6 | 34.2 | 34.1 | 35   | 37.3 | 35.5 | 36.7 | 39   | 36.3  | 34.3 | 9.4  | 220                                                                                    |  |
| 230                                                                                  | 25     | 25.4 |      | 27.7 | 28.3 | 29.6 | 29.8 | 30.6 | 32.6 | 31.2 | 32.3 | 35   | 32    | 28.3 |      | 230                                                                                    |  |
| 240                                                                                  | 21.2   | 21.5 |      | 23.8 | 24.3 | 25.4 | 25.8 | 26.6 | 28.3 | 27.2 | 28.2 | 30.7 | 28    | 22.3 |      | 240                                                                                    |  |
| 250                                                                                  | 17.7   |      |      | 20.2 | 20.6 |      | 22.2 | 22.8 | 24.4 | 23.6 | 24.5 | 26.7 | 24.4  | 16.4 |      | 250                                                                                    |  |
| 260                                                                                  | 14.5   |      |      | 17   | 17.3 |      | 18.9 | 19.5 | 20.8 | 20.3 | 21.1 | 23.1 | 21.1  | 12.8 |      | 260                                                                                    |  |
| 270                                                                                  |        |      |      | 14   | 14.3 |      | 15.9 | 16.4 |      | 17.3 | 18   | 19.7 | 15.6  | 9.3  |      | 270                                                                                    |  |
| 280                                                                                  |        |      |      |      |      |      | 13.1 | 13.5 |      | 14.4 | 15.1 | 16.6 |       |      |      | 280                                                                                    |  |
| 290                                                                                  |        |      |      |      |      |      |      |      |      | 11.8 | 12.4 |      |       |      |      | 290                                                                                    |  |
| 300                                                                                  |        |      |      |      |      |      |      |      |      | 9.5  | 10   |      |       |      |      | 300                                                                                    |  |
| 310                                                                                  |        |      |      |      |      |      |      |      |      |      | 7.7  |      |       |      |      | 310                                                                                    |  |

TAB 181118



SLF

SL 256



|  ft | SL 256 |      |      |      |      |      |      |      |      |      |      |      |       |      |      |  ft |  |
|--------------------------------------------------------------------------------------|--------|------|------|------|------|------|------|------|------|------|------|------|-------|------|------|----------------------------------------------------------------------------------------|--|
|                                                                                      | F 39   |      |      | F 59 |      |      | F 79 |      |      | F 98 |      |      | F 118 |      |      |                                                                                        |  |
|                                                                                      | 10°    | 15°  | 30°  | 10°  | 15°  | 30°  | 10°  | 15°  | 30°  | 10°  | 15°  | 30°  | 10°   | 15°  | 30°  |                                                                                        |  |
| 45                                                                                   | 301    | 269  |      |      |      |      |      |      |      |      |      |      |       |      |      | 45                                                                                     |  |
| 50                                                                                   | 294    | 263  |      |      |      |      |      |      |      |      |      |      |       |      |      | 50                                                                                     |  |
| 55                                                                                   | 283    | 256  | 159  | 207  |      |      |      |      |      |      |      |      |       |      |      | 55                                                                                     |  |
| 60                                                                                   | 268    | 250  | 155  | 201  | 181  |      | 164  |      |      |      |      |      |       |      |      | 60                                                                                     |  |
| 65                                                                                   | 244    | 243  | 152  | 195  | 176  | 110  | 159  | 137  |      | 136  |      |      | 123   |      |      | 65                                                                                     |  |
| 70                                                                                   | 224    | 226  | 148  | 190  | 171  | 108  | 154  | 132  |      | 132  |      |      | 120   |      |      | 70                                                                                     |  |
| 75                                                                                   | 206    | 209  | 145  | 184  | 166  | 105  | 149  | 128  |      | 127  | 109  |      | 115   | 97.5 |      | 75                                                                                     |  |
| 80                                                                                   | 190    | 193  | 142  | 179  | 161  | 103  | 144  | 124  | 84.5 | 123  | 105  |      | 111   | 94   |      | 80                                                                                     |  |
| 85                                                                                   | 176    | 178  | 139  | 175  | 156  | 101  | 139  | 120  | 82.5 | 118  | 101  | 70.5 | 107   | 90.5 |      | 85                                                                                     |  |
| 90                                                                                   | 164    | 166  | 137  | 165  | 152  | 99   | 134  | 116  | 80.5 | 113  | 98   | 68.5 | 102   | 87.5 |      | 90                                                                                     |  |
| 95                                                                                   | 152    | 154  | 134  | 154  | 147  | 97   | 130  | 112  | 79   | 109  | 94.5 | 67   | 98    | 84.5 | 58.4 | 95                                                                                     |  |
| 100                                                                                  | 142    | 143  | 131  | 144  | 142  | 95   | 126  | 109  | 77   | 106  | 91.5 | 65.5 | 94.5  | 81.5 | 56.8 | 100                                                                                    |  |
| 105                                                                                  | 132    | 134  | 129  | 134  | 137  | 93.5 | 121  | 106  | 75.5 | 102  | 88.5 | 64   | 91.5  | 78.5 | 55.2 | 105                                                                                    |  |
| 110                                                                                  | 124    | 125  | 127  | 126  | 128  | 92   | 117  | 103  | 74   | 99   | 86   | 62.5 | 88.5  | 76   | 53.8 | 110                                                                                    |  |
| 115                                                                                  | 116    | 117  | 121  | 118  | 120  | 90   | 114  | 100  | 72.5 | 95.5 | 83.5 | 61   | 85    | 73.5 | 52.3 | 115                                                                                    |  |
| 120                                                                                  | 108    | 110  | 114  | 111  | 113  | 88.5 | 110  | 97   | 71   | 92   | 81   | 59.5 | 82    | 71.5 | 50.9 | 120                                                                                    |  |
| 125                                                                                  | 102    | 103  | 107  | 104  | 106  | 87   | 105  | 95   | 70   | 89.5 | 78.5 | 58.2 | 79    | 69   | 49.5 | 125                                                                                    |  |
| 130                                                                                  | 95.5   | 96.5 | 100  | 97.5 | 99.5 | 86   | 98.5 | 92.5 | 68.5 | 87   | 76.5 | 56.9 | 77    | 66.5 | 48.3 | 130                                                                                    |  |
| 135                                                                                  | 89.5   | 91   | 94.5 | 92   | 93.5 | 84.5 | 93   | 90   | 67.5 | 84.5 | 74.5 | 55.6 | 74.5  | 65   | 47.2 | 135                                                                                    |  |
| 140                                                                                  | 84.5   | 85.5 | 88.5 | 86.5 | 88.5 | 83   | 88   | 87.5 | 66.5 | 82   | 73   | 54.4 | 72.5  | 63   | 46.1 | 140                                                                                    |  |
| 150                                                                                  | 74.5   | 75.5 | 78   | 77   | 78.5 | 79   | 78   | 80   | 64.5 | 76.5 | 69   | 52.3 | 68    | 59.7 | 43.6 | 150                                                                                    |  |
| 160                                                                                  | 65.5   | 66.5 | 68.5 | 68   | 69.5 | 73   | 69.5 | 71   | 62   | 69.5 | 65.5 | 50.4 | 63.5  | 56.3 | 40.8 | 160                                                                                    |  |
| 170                                                                                  | 57     | 57.9 | 60   | 60   | 61.5 | 64.5 | 61.5 | 63   | 60.5 | 62   | 62.5 | 48.5 | 59.6  | 53   | 37.5 | 170                                                                                    |  |
| 180                                                                                  | 49.8   | 50.7 | 52.6 | 53   | 54.1 | 56.9 | 55   | 56.4 | 58.2 | 55.4 | 56.8 | 46.8 | 54.6  | 50.4 | 34.3 | 180                                                                                    |  |
| 190                                                                                  | 43.4   | 44.2 | 45.9 | 46.5 | 47.5 | 49.9 | 48.6 | 49.9 | 53.3 | 49.4 | 51   | 45.3 | 49.1  | 48.1 | 30   | 190                                                                                    |  |
| 200                                                                                  | 37.7   | 38.3 | 39.9 | 40.6 | 41.5 | 43.7 | 42.7 | 43.9 | 46.9 | 43.8 | 45.3 | 43.9 | 43.7  | 45.1 | 24.7 | 200                                                                                    |  |
| 210                                                                                  | 32.5   | 33.1 | 34.4 | 35.3 | 36.1 | 38.1 | 37.3 | 38.4 | 41.1 | 38.7 | 40   | 42.5 | 38.7  | 40.4 | 18.5 | 210                                                                                    |  |
| 220                                                                                  | 28     | 28.5 | 29.6 | 30.6 | 31.4 | 33.1 | 32.6 | 33.6 | 36.1 | 33.9 | 35.2 | 38.2 | 34.4  | 35.9 | 12.3 | 220                                                                                    |  |
| 230                                                                                  | 23.8   | 24.3 | 25.3 | 26.4 | 27.1 | 28.6 | 28.3 | 29.2 | 31.5 | 29.6 | 30.8 | 33.7 | 30.2  | 31.7 |      | 230                                                                                    |  |
| 240                                                                                  | 20     | 20.4 |      | 22.5 | 23.1 | 24.4 | 24.4 | 25.2 | 27.2 | 25.6 | 26.7 | 29.4 | 26.4  | 27.4 |      | 240                                                                                    |  |
| 250                                                                                  | 16.5   | 16.9 |      | 18.9 | 19.4 | 20.6 | 20.7 | 21.5 | 23.3 | 22   | 23   | 25.4 | 22.7  | 22.8 |      | 250                                                                                    |  |
| 260                                                                                  | 13.4   | 13.7 |      | 15.7 | 16.2 | 17.1 | 17.5 | 18.2 | 19.7 | 18.7 | 19.6 | 21.8 | 19.4  | 17.1 |      | 260                                                                                    |  |
| 270                                                                                  | 10.6   | 10.8 |      | 12.7 | 13.1 |      | 14.5 | 15.1 | 16.4 | 15.7 | 16.5 | 18.5 | 16.4  | 13.3 |      | 270                                                                                    |  |
| 280                                                                                  |        |      |      | 10   | 10.3 |      | 11.7 | 12.2 | 13.4 | 12.9 | 13.7 | 15.4 | 13.6  | 10.1 |      | 280                                                                                    |  |
| 290                                                                                  |        |      |      |      |      |      |      | 9.6  |      | 10.3 | 11   | 12.5 |       |      |      | 290                                                                                    |  |
| 300                                                                                  |        |      |      |      |      |      |      | 7.2  |      | 8    | 8.5  | 9.9  |       |      |      | 300                                                                                    |  |

TAB 181118

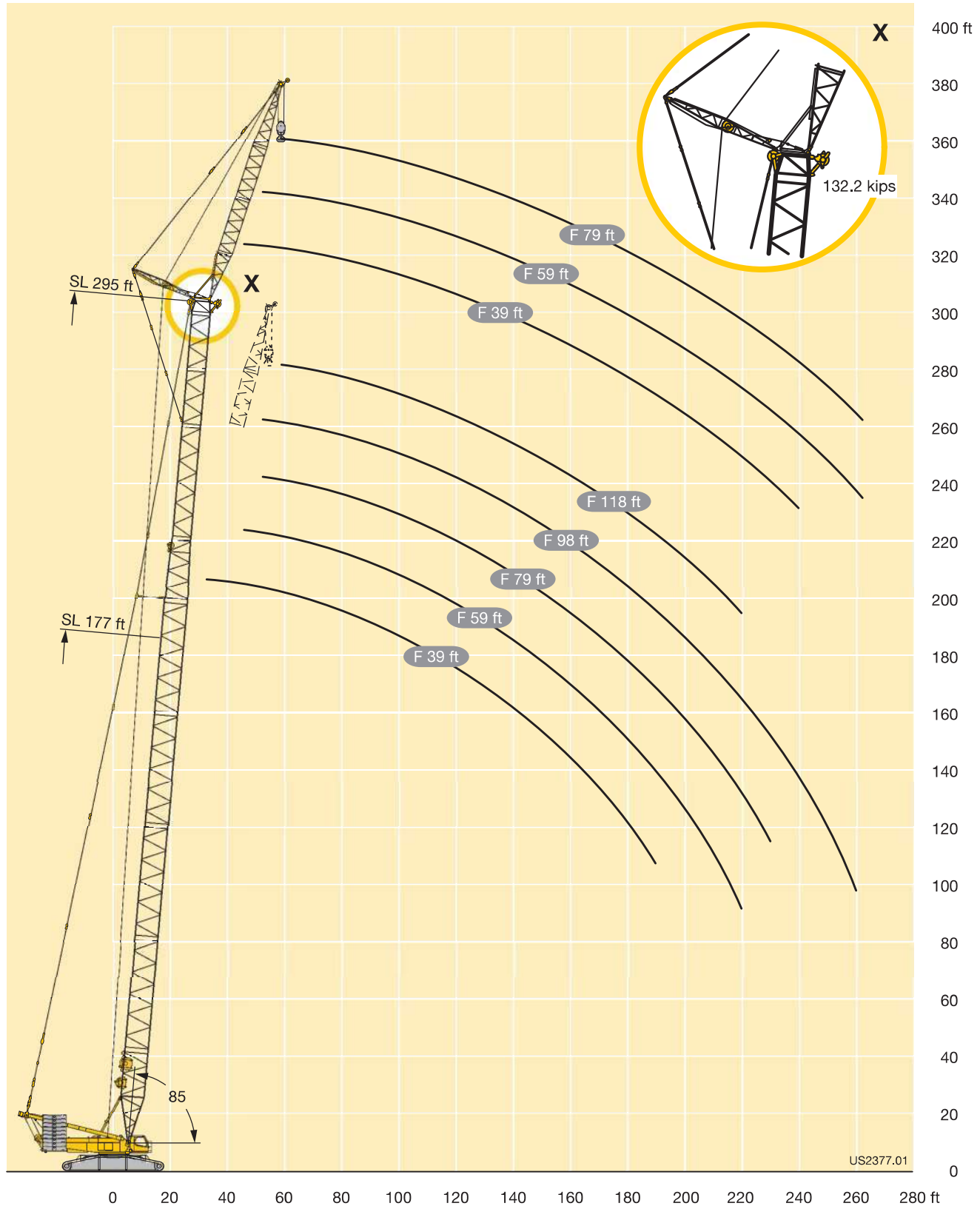
K





**Lifting heights  
Hauteurs de levage**

**SLF**



**K**



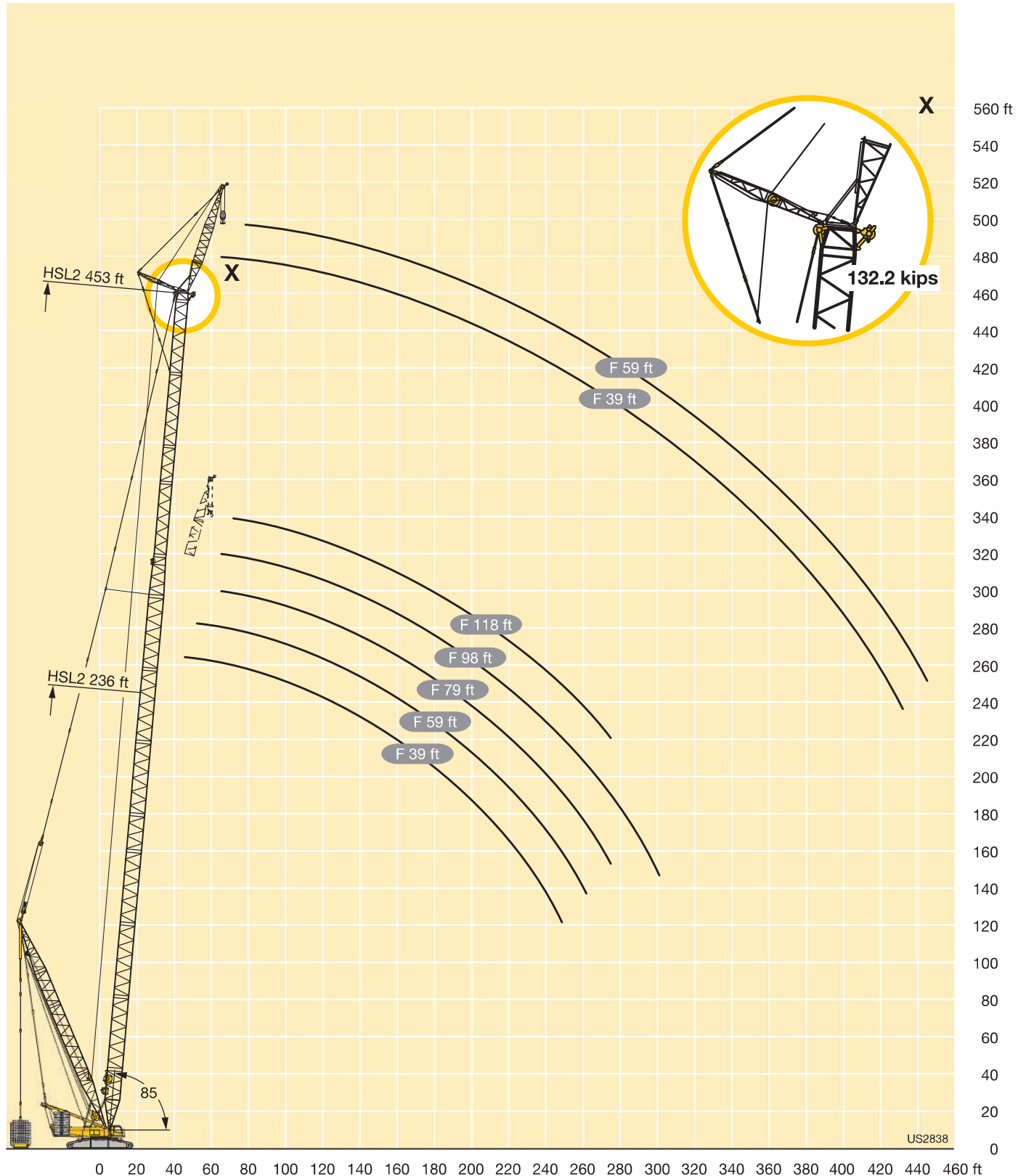






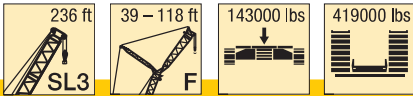
**Lifting heights  
Hauteurs de levage**

**HSL2DFB/B2/BW**



SL3F

SL3 236



|  ft | SL3 236 |      |      |      |      |      |      |      |      |      |      |      |       |      |      |  ft |  |
|--------------------------------------------------------------------------------------|---------|------|------|------|------|------|------|------|------|------|------|------|-------|------|------|----------------------------------------------------------------------------------------|--|
|                                                                                      | F 39    |      |      | F 59 |      |      | F 79 |      |      | F 98 |      |      | F 118 |      |      |                                                                                        |  |
|                                                                                      | 10°     | 15°  | 30°  | 10°  | 15°  | 30°  | 10°  | 15°  | 30°  | 10°  | 15°  | 30°  | 10°   | 15°  | 30°  |                                                                                        |  |
| 40                                                                                   | 303     |      |      |      |      |      |      |      |      |      |      |      |       |      |      | 40                                                                                     |  |
| 45                                                                                   | 303     | 303  |      |      |      |      |      |      |      |      |      |      |       |      |      | 45                                                                                     |  |
| 50                                                                                   | 303     | 298  |      |      |      |      |      |      |      |      |      |      |       |      |      | 50                                                                                     |  |
| 55                                                                                   | 295     | 289  | 160  | 231  | 194  |      |      |      |      |      |      |      |       |      |      | 55                                                                                     |  |
| 60                                                                                   | 277     | 276  | 156  | 222  | 186  |      | 172  | 144  |      | 148  |      |      |       |      |      | 60                                                                                     |  |
| 65                                                                                   | 253     | 255  | 152  | 213  | 179  | 111  | 164  | 139  |      | 141  | 118  |      | 128   |      |      | 65                                                                                     |  |
| 70                                                                                   | 232     | 235  | 149  | 204  | 173  | 108  | 157  | 133  |      | 135  | 114  |      | 123   |      |      | 70                                                                                     |  |
| 75                                                                                   | 213     | 216  | 145  | 196  | 166  | 106  | 151  | 129  |      | 129  | 110  |      | 117   | 99   |      | 75                                                                                     |  |
| 80                                                                                   | 197     | 199  | 142  | 188  | 160  | 104  | 145  | 124  | 85   | 124  | 106  |      | 113   | 95   |      | 80                                                                                     |  |
| 85                                                                                   | 182     | 184  | 139  | 181  | 155  | 101  | 139  | 119  | 83   | 119  | 102  | 71   | 108   | 91.5 |      | 85                                                                                     |  |
| 90                                                                                   | 169     | 171  | 136  | 170  | 150  | 99   | 134  | 115  | 81   | 114  | 98   | 69   | 103   | 88   |      | 90                                                                                     |  |
| 95                                                                                   | 157     | 159  | 133  | 159  | 145  | 97   | 129  | 112  | 79   | 110  | 94.5 | 67.5 | 98.5  | 84.5 | 58.9 | 95                                                                                     |  |
| 100                                                                                  | 146     | 148  | 131  | 149  | 141  | 95   | 124  | 108  | 77.5 | 106  | 91   | 65.5 | 95    | 81   | 57.2 | 100                                                                                    |  |
| 105                                                                                  | 136     | 138  | 128  | 139  | 137  | 93   | 119  | 105  | 75.5 | 102  | 88.5 | 64   | 91    | 78.5 | 55.5 | 105                                                                                    |  |
| 110                                                                                  | 128     | 129  | 126  | 130  | 131  | 91   | 116  | 102  | 74   | 97.5 | 85.5 | 62.5 | 87.5  | 76   | 54   | 110                                                                                    |  |
| 115                                                                                  | 120     | 121  | 123  | 122  | 124  | 89.5 | 112  | 99   | 72.5 | 94   | 82.5 | 61   | 84    | 73   | 52.4 | 115                                                                                    |  |
| 120                                                                                  | 112     | 113  | 117  | 115  | 116  | 88   | 109  | 96.5 | 71   | 91   | 80   | 59.4 | 80.5  | 70.5 | 50.9 | 120                                                                                    |  |
| 125                                                                                  | 105     | 106  | 109  | 108  | 109  | 86.5 | 106  | 94   | 69.5 | 88.5 | 78   | 58   | 78    | 68   | 49.5 | 125                                                                                    |  |
| 130                                                                                  | 98      | 99   | 102  | 101  | 103  | 85   | 102  | 91.5 | 68.5 | 85.5 | 75.5 | 56.5 | 75.5  | 66   | 48.3 | 130                                                                                    |  |
| 135                                                                                  | 92      | 93   | 96   | 95.5 | 97   | 83.5 | 96.5 | 89   | 67.5 | 83   | 73.5 | 55.3 | 73.5  | 64   | 47.1 | 135                                                                                    |  |
| 140                                                                                  | 86.5    | 87.5 | 90   | 89.5 | 91   | 82   | 91   | 86.5 | 66   | 80   | 71.5 | 54.1 | 71    | 62.5 | 45.9 | 140                                                                                    |  |
| 150                                                                                  | 76      | 77   | 79   | 79   | 80.5 | 78.5 | 81   | 80.5 | 64   | 75.5 | 67.5 | 52   | 66    | 58.6 | 43.1 | 150                                                                                    |  |
| 160                                                                                  | 66.5    | 67.5 | 69.5 | 70   | 71   | 74   | 72   | 73.5 | 61.5 | 70.5 | 64   | 49.9 | 61.5  | 55.1 | 39.9 | 160                                                                                    |  |
| 170                                                                                  | 58.2    | 59.1 | 61   | 61.5 | 63   | 65.5 | 64   | 65.5 | 59.8 | 65   | 61   | 47.8 | 58.3  | 51.9 | 36.7 | 170                                                                                    |  |
| 180                                                                                  | 51.1    | 51.9 | 53.7 | 54.4 | 55.4 | 58   | 56.8 | 58.1 | 58   | 58.2 | 58.2 | 46.2 | 55    | 49.4 | 33.1 | 180                                                                                    |  |
| 190                                                                                  | 44.7    | 45.4 | 47   | 47.8 | 48.8 | 51.1 | 50.2 | 51.4 | 53.8 | 51.7 | 53.1 | 44.7 | 51.1  | 46.9 | 27.6 | 190                                                                                    |  |
| 200                                                                                  | 38.9    | 39.5 | 40.9 | 41.9 | 42.8 | 44.8 | 44.2 | 45.3 | 48.1 | 45.7 | 47.1 | 43.2 | 46.4  | 44.1 | 21   | 200                                                                                    |  |
| 210                                                                                  | 33.7    | 34.2 | 35.4 | 36.6 | 37.4 | 39.2 | 38.8 | 39.8 | 42.4 | 40.3 | 41.6 | 41.8 | 41    | 40.3 | 14.5 | 210                                                                                    |  |
| 220                                                                                  | 29.1    | 29.6 | 30.6 | 32   | 32.6 | 34.2 | 34.1 | 35   | 37.3 | 35.5 | 36.7 | 39   | 36.3  | 34.3 | 9.4  | 220                                                                                    |  |
| 230                                                                                  | 25      | 25.4 |      | 27.7 | 28.3 | 29.6 | 29.8 | 30.6 | 32.6 | 31.2 | 32.3 | 35   | 32    | 28.3 |      | 230                                                                                    |  |
| 240                                                                                  | 21.2    | 21.5 |      | 23.8 | 24.3 | 25.4 | 25.8 | 26.6 | 28.3 | 27.2 | 28.2 | 30.7 | 28    | 22.3 |      | 240                                                                                    |  |
| 250                                                                                  | 17.7    |      |      | 20.2 | 20.6 |      | 22.2 | 22.8 | 24.4 | 23.6 | 24.5 | 26.7 | 24.4  | 16.4 |      | 250                                                                                    |  |
| 260                                                                                  | 14.5    |      |      | 17   | 17.3 |      | 18.9 | 19.5 | 20.8 | 20.3 | 21.1 | 23.1 | 21.1  | 12.8 |      | 260                                                                                    |  |
| 270                                                                                  |         |      |      | 14   | 14.3 |      | 15.9 | 16.4 |      | 17.3 | 18   | 19.7 | 15.6  | 9.3  |      | 270                                                                                    |  |
| 280                                                                                  |         |      |      |      |      |      | 13.1 | 13.5 |      | 14.4 | 15.1 | 16.6 |       |      |      | 280                                                                                    |  |
| 290                                                                                  |         |      |      |      |      |      |      |      |      | 11.8 | 12.4 |      |       |      |      | 290                                                                                    |  |
| 300                                                                                  |         |      |      |      |      |      |      |      |      | 9.5  | 10   |      |       |      |      | 300                                                                                    |  |
| 310                                                                                  |         |      |      |      |      |      |      |      |      |      | 7.7  |      |       |      |      | 310                                                                                    |  |

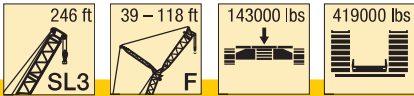
TAB 181111

M



SL3F

SL3 246



|  ft | SL3 246 |      |      |      |      |      |      |      |      |      |      |      |       |      |      |  ft |  |
|--------------------------------------------------------------------------------------|---------|------|------|------|------|------|------|------|------|------|------|------|-------|------|------|----------------------------------------------------------------------------------------|--|
|                                                                                      | F 39    |      |      | F 59 |      |      | F 79 |      |      | F 98 |      |      | F 118 |      |      |                                                                                        |  |
|                                                                                      | 10°     | 15°  | 30°  | 10°  | 15°  | 30°  | 10°  | 15°  | 30°  | 10°  | 15°  | 30°  | 10°   | 15°  | 30°  |                                                                                        |  |
| 40                                                                                   | 303     |      |      |      |      |      |      |      |      |      |      |      |       |      |      | 40                                                                                     |  |
| 45                                                                                   | 303     | 301  |      |      |      |      |      |      |      |      |      |      |       |      |      | 45                                                                                     |  |
| 50                                                                                   | 303     | 296  |      |      |      |      |      |      |      |      |      |      |       |      |      | 50                                                                                     |  |
| 55                                                                                   | 295     | 289  | 161  | 231  | 194  |      |      |      |      |      |      |      |       |      |      | 55                                                                                     |  |
| 60                                                                                   | 279     | 277  | 157  | 223  | 187  |      | 173  |      |      | 148  |      |      |       |      |      | 60                                                                                     |  |
| 65                                                                                   | 254     | 257  | 153  | 215  | 180  | 111  | 165  | 139  |      | 142  | 119  |      | 129   |      |      | 65                                                                                     |  |
| 70                                                                                   | 234     | 236  | 150  | 206  | 174  | 109  | 159  | 134  |      | 136  | 115  |      | 124   |      |      | 70                                                                                     |  |
| 75                                                                                   | 216     | 218  | 146  | 198  | 168  | 106  | 153  | 129  |      | 130  | 110  |      | 118   | 99.5 |      | 75                                                                                     |  |
| 80                                                                                   | 199     | 201  | 143  | 190  | 162  | 104  | 147  | 125  | 85.5 | 125  | 106  |      | 113   | 95.5 |      | 80                                                                                     |  |
| 85                                                                                   | 185     | 187  | 140  | 184  | 157  | 102  | 141  | 121  | 83.5 | 120  | 102  | 71   | 109   | 92   |      | 85                                                                                     |  |
| 90                                                                                   | 172     | 174  | 137  | 173  | 152  | 99.5 | 136  | 116  | 81.5 | 115  | 98.5 | 69   | 104   | 88.5 |      | 90                                                                                     |  |
| 95                                                                                   | 160     | 162  | 134  | 162  | 147  | 97.5 | 131  | 113  | 79.5 | 111  | 95   | 67.5 | 100   | 85.5 | 59   | 95                                                                                     |  |
| 100                                                                                  | 150     | 152  | 132  | 151  | 143  | 95.5 | 126  | 110  | 77.5 | 107  | 92   | 66   | 96    | 82   | 57.3 | 100                                                                                    |  |
| 105                                                                                  | 140     | 142  | 129  | 142  | 138  | 93.5 | 121  | 106  | 76   | 103  | 89   | 64   | 92.5  | 79   | 55.7 | 105                                                                                    |  |
| 110                                                                                  | 132     | 133  | 127  | 133  | 134  | 91.5 | 117  | 103  | 74.5 | 99   | 86.5 | 62.5 | 89    | 76.5 | 54.2 | 110                                                                                    |  |
| 115                                                                                  | 124     | 125  | 125  | 125  | 127  | 90   | 114  | 100  | 73   | 95.5 | 83.5 | 61   | 85.5  | 74   | 52.6 | 115                                                                                    |  |
| 120                                                                                  | 116     | 117  | 121  | 118  | 120  | 88.5 | 111  | 97.5 | 71.5 | 92.5 | 81   | 59.7 | 82    | 71.5 | 51.1 | 120                                                                                    |  |
| 125                                                                                  | 109     | 110  | 113  | 111  | 113  | 87   | 107  | 95   | 70   | 89.5 | 78.5 | 58.3 | 79    | 69   | 49.8 | 125                                                                                    |  |
| 130                                                                                  | 102     | 103  | 106  | 105  | 106  | 85.5 | 104  | 92.5 | 69   | 87   | 76.5 | 57   | 77    | 67   | 48.6 | 130                                                                                    |  |
| 135                                                                                  | 96      | 97   | 99.5 | 99   | 100  | 84   | 99.5 | 90   | 67.5 | 84.5 | 74.5 | 55.7 | 74.5  | 65   | 47.4 | 135                                                                                    |  |
| 140                                                                                  | 90      | 91   | 93.5 | 93   | 94.5 | 82.5 | 94   | 87.5 | 66.5 | 82   | 72.5 | 54.5 | 72    | 63   | 46.2 | 140                                                                                    |  |
| 150                                                                                  | 80      | 80.5 | 83   | 82.5 | 83.5 | 80   | 84.5 | 82.5 | 64.5 | 77   | 69   | 52.4 | 67.5  | 59.6 | 43.6 | 150                                                                                    |  |
| 160                                                                                  | 71      | 71.5 | 73.5 | 73.5 | 74.5 | 76.5 | 75   | 76.5 | 62   | 72   | 65   | 50.3 | 63    | 56.1 | 40.6 | 160                                                                                    |  |
| 170                                                                                  | 62.5    | 63.5 | 65.5 | 65.5 | 66.5 | 68.5 | 67   | 68.5 | 60.5 | 68   | 62   | 48.3 | 59.4  | 52.7 | 37.6 | 170                                                                                    |  |
| 180                                                                                  | 55.6    | 56.3 | 58   | 58.3 | 59.3 | 61.5 | 60   | 61.5 | 58.6 | 61.5 | 59.2 | 46.7 | 56.2  | 50.2 | 34.5 | 180                                                                                    |  |
| 190                                                                                  | 49.2    | 49.9 | 51.4 | 51.9 | 52.7 | 54.9 | 53.7 | 54.9 | 55.7 | 54.9 | 55.2 | 45.2 | 53    | 47.8 | 29.6 | 190                                                                                    |  |
| 200                                                                                  | 43.4    | 44   | 45.4 | 46   | 46.8 | 48.7 | 47.8 | 48.8 | 51.5 | 48.9 | 50.2 | 43.7 | 49.2  | 45.4 | 23.6 | 200                                                                                    |  |
| 210                                                                                  | 38.2    | 38.7 | 39.9 | 40.6 | 41.4 | 43.1 | 42.4 | 43.4 | 45.8 | 43.5 | 44.7 | 42.2 | 44    | 43   | 17.2 | 210                                                                                    |  |
| 220                                                                                  | 33.7    | 34.1 | 35.1 | 36   | 36.7 | 38.2 | 37.7 | 38.6 | 40.8 | 38.8 | 39.9 | 41.2 | 39.3  | 37.2 | 10.9 | 220                                                                                    |  |
| 230                                                                                  | 29.6    | 29.9 | 30.8 | 31.8 | 32.3 | 33.7 | 33.4 | 34.2 | 36.2 | 34.5 | 35.5 | 38   | 35    | 31.5 |      | 230                                                                                    |  |
| 240                                                                                  | 25.7    | 26.1 |      | 27.9 | 28.4 | 29.5 | 29.5 | 30.2 | 31.9 | 30.5 | 31.5 | 33.8 | 31    | 25.7 |      | 240                                                                                    |  |
| 250                                                                                  | 22.2    | 22.5 |      | 24.3 | 24.7 |      | 25.8 | 26.5 | 28   | 26.9 | 27.8 | 29.9 | 27.4  | 19.9 |      | 250                                                                                    |  |
| 260                                                                                  | 19.1    | 19.4 |      | 21.1 | 21.5 |      | 22.6 | 23.2 | 24.5 | 23.6 | 24.4 | 26.3 | 24.2  | 15.3 |      | 260                                                                                    |  |
| 270                                                                                  |         |      |      | 18.1 | 18.5 |      | 19.6 | 20.1 | 21.2 | 20.6 | 21.3 | 23.1 | 19.8  | 11.6 |      | 270                                                                                    |  |
| 280                                                                                  |         |      |      | 15.4 |      |      | 16.8 | 17.3 |      | 17.8 | 18.5 | 20   |       |      |      | 280                                                                                    |  |
| 290                                                                                  |         |      |      |      |      |      | 14.3 | 14.6 |      | 15.2 | 15.8 | 17.1 |       |      |      | 290                                                                                    |  |
| 300                                                                                  |         |      |      |      |      |      | 11.9 | 12.2 |      | 12.9 | 13.4 | 14.5 |       |      |      | 300                                                                                    |  |
| 310                                                                                  |         |      |      |      |      |      |      |      |      | 10.7 | 11.1 |      |       |      |      | 310                                                                                    |  |
| 320                                                                                  |         |      |      |      |      |      |      |      |      | 8.7  |      |      |       |      |      | 320                                                                                    |  |

TAB 181111

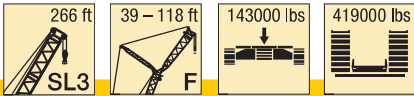
M





SL3F

SL3 266



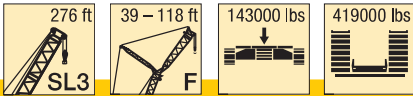
|  ft | SL3 266 |      |      |      |      |      |      |      |      |      |      |      |       |      |      |  ft |
|--------------------------------------------------------------------------------------|---------|------|------|------|------|------|------|------|------|------|------|------|-------|------|------|----------------------------------------------------------------------------------------|
|                                                                                      | F 39    |      |      | F 59 |      |      | F 79 |      |      | F 98 |      |      | F 118 |      |      |                                                                                        |
|                                                                                      | 10°     | 15°  | 30°  | 10°  | 15°  | 30°  | 10°  | 15°  | 30°  | 10°  | 15°  | 30°  | 10°   | 15°  | 30°  |                                                                                        |
| 45                                                                                   | 303     | 273  |      |      |      |      |      |      |      |      |      |      |       |      |      | 45                                                                                     |
| 50                                                                                   | 298     | 268  |      |      |      |      |      |      |      |      |      |      |       |      |      | 50                                                                                     |
| 55                                                                                   | 287     | 261  |      | 210  |      |      |      |      |      |      |      |      |       |      |      | 55                                                                                     |
| 60                                                                                   | 270     | 254  | 156  | 205  | 183  |      | 166  |      |      |      |      |      |       |      |      | 60                                                                                     |
| 65                                                                                   | 247     | 247  | 152  | 199  | 178  | 110  | 161  | 137  |      | 138  |      |      | 125   |      |      | 65                                                                                     |
| 70                                                                                   | 227     | 229  | 149  | 194  | 173  | 108  | 156  | 133  |      | 133  |      |      | 121   |      |      | 70                                                                                     |
| 75                                                                                   | 209     | 211  | 146  | 189  | 168  | 106  | 151  | 129  |      | 128  | 109  |      | 116   | 98   |      | 75                                                                                     |
| 80                                                                                   | 193     | 196  | 143  | 184  | 163  | 103  | 146  | 125  | 84.5 | 124  | 106  |      | 112   | 94.5 |      | 80                                                                                     |
| 85                                                                                   | 179     | 181  | 140  | 179  | 158  | 101  | 140  | 121  | 82.5 | 119  | 102  | 70.5 | 108   | 91   |      | 85                                                                                     |
| 90                                                                                   | 167     | 169  | 138  | 168  | 153  | 99.5 | 136  | 117  | 81   | 115  | 99   | 69   | 104   | 88   |      | 90                                                                                     |
| 95                                                                                   | 156     | 158  | 135  | 157  | 149  | 97.5 | 131  | 114  | 79   | 111  | 95.5 | 67   | 99.5  | 85   |      | 95                                                                                     |
| 100                                                                                  | 145     | 147  | 132  | 147  | 144  | 95.5 | 127  | 110  | 77.5 | 107  | 92.5 | 65.5 | 95.5  | 82   | 57   | 100                                                                                    |
| 105                                                                                  | 136     | 138  | 130  | 137  | 140  | 94   | 123  | 107  | 76   | 104  | 89.5 | 64   | 92.5  | 79.5 | 55.4 | 105                                                                                    |
| 110                                                                                  | 128     | 129  | 128  | 129  | 131  | 92   | 119  | 104  | 74.5 | 100  | 87   | 62.5 | 89.5  | 77   | 54   | 110                                                                                    |
| 115                                                                                  | 120     | 121  | 124  | 121  | 123  | 90.5 | 115  | 101  | 73   | 97   | 84.5 | 61   | 86.5  | 74.5 | 52.6 | 115                                                                                    |
| 120                                                                                  | 113     | 114  | 118  | 114  | 116  | 89   | 112  | 98.5 | 71.5 | 93.5 | 82   | 59.8 | 83.5  | 72   | 51.2 | 120                                                                                    |
| 125                                                                                  | 106     | 107  | 111  | 107  | 109  | 87.5 | 108  | 96   | 70.5 | 90.5 | 79.5 | 58.5 | 80.5  | 70   | 49.8 | 125                                                                                    |
| 130                                                                                  | 99.5    | 101  | 104  | 101  | 103  | 86   | 102  | 94   | 69   | 88.5 | 77.5 | 57.3 | 78    | 67.5 | 48.6 | 130                                                                                    |
| 135                                                                                  | 94      | 95   | 98   | 96   | 97.5 | 85   | 96.5 | 91.5 | 68   | 86   | 75.5 | 56   | 75.5  | 66   | 47.5 | 135                                                                                    |
| 140                                                                                  | 88.5    | 90   | 92.5 | 90.5 | 92   | 83.5 | 91   | 89.5 | 67   | 83.5 | 73.5 | 54.8 | 73.5  | 64   | 46.4 | 140                                                                                    |
| 150                                                                                  | 79      | 79.5 | 82   | 81   | 82   | 80.5 | 81.5 | 83   | 65   | 78.5 | 70   | 52.7 | 69    | 60.5 | 44.1 | 150                                                                                    |
| 160                                                                                  | 69.5    | 70.5 | 72.5 | 72   | 73.5 | 76   | 73   | 74.5 | 63   | 73   | 66.5 | 50.8 | 65    | 57.3 | 41.5 | 160                                                                                    |
| 170                                                                                  | 61.5    | 62.5 | 64.5 | 64.5 | 65.5 | 67.5 | 65.5 | 67   | 61   | 65.5 | 63   | 48.9 | 60.5  | 54   | 38.4 | 170                                                                                    |
| 180                                                                                  | 54.5    | 55.3 | 57.1 | 57.1 | 58.1 | 60.5 | 58.7 | 60   | 59.2 | 58.8 | 59.4 | 47.2 | 57.1  | 51.3 | 35.3 | 180                                                                                    |
| 190                                                                                  | 48.1    | 48.8 | 50.4 | 50.6 | 51.6 | 53.9 | 52.4 | 53.6 | 55.5 | 52.8 | 54.3 | 45.7 | 52.2  | 48.9 | 31.6 | 190                                                                                    |
| 200                                                                                  | 42.4    | 43   | 44.4 | 44.7 | 45.6 | 47.7 | 46.4 | 47.6 | 50.4 | 47.3 | 48.7 | 44.3 | 46.9  | 46.5 | 27   | 200                                                                                    |
| 210                                                                                  | 37.2    | 37.7 | 39   | 39.5 | 40.2 | 42.1 | 41.1 | 42.1 | 44.7 | 42.1 | 43.4 | 43   | 42    | 43.5 | 21   | 210                                                                                    |
| 220                                                                                  | 32.6    | 33.1 | 34.3 | 34.8 | 35.5 | 37.2 | 36.4 | 37.4 | 39.7 | 37.4 | 38.6 | 40.7 | 37.6  | 39.1 | 15   | 220                                                                                    |
| 230                                                                                  | 28.5    | 29   | 29.9 | 30.6 | 31.2 | 32.7 | 32.1 | 33   | 35.1 | 33.1 | 34.2 | 36.9 | 33.5  | 34.8 | 9.7  | 230                                                                                    |
| 240                                                                                  | 24.7    | 25.1 | 25.9 | 26.7 | 27.3 | 28.6 | 28.2 | 29   | 30.9 | 29.1 | 30.2 | 32.7 | 29.6  | 30.5 |      | 240                                                                                    |
| 250                                                                                  | 21.2    | 21.6 |      | 23.1 | 23.7 | 24.8 | 24.6 | 25.3 | 27   | 25.5 | 26.4 | 28.7 | 25.9  | 26   |      | 250                                                                                    |
| 260                                                                                  | 18.1    | 18.4 |      | 19.9 | 20.4 | 21.4 | 21.3 | 22   | 23.5 | 22.3 | 23.1 | 25.2 | 22.7  | 20.5 |      | 260                                                                                    |
| 270                                                                                  | 15.3    | 15.5 |      | 17   | 17.4 |      | 18.4 | 19   | 20.3 | 19.3 | 20   | 22   | 19.7  | 16   |      | 270                                                                                    |
| 280                                                                                  | 12.7    |      |      | 14.3 | 14.6 |      | 15.6 | 16.1 | 17.3 | 16.5 | 17.2 | 18.9 | 16.9  | 12.2 |      | 280                                                                                    |
| 290                                                                                  |         |      |      | 11.8 | 12.1 |      | 13   | 13.5 |      | 13.9 | 14.5 | 16   |       |      |      | 290                                                                                    |
| 300                                                                                  |         |      |      | 9.5  | 9.7  |      | 10.7 | 11.1 |      | 11.5 | 12.1 | 13.4 |       |      |      | 300                                                                                    |
| 310                                                                                  |         |      |      |      |      |      | 8.5  | 8.9  |      | 9.4  | 9.9  | 11   |       |      |      | 310                                                                                    |

TAB 181111



SL3F

SL3 276



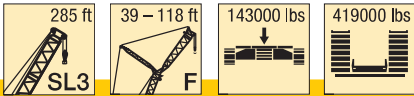
|  ft | SL3 276 |      |      |      |      |      |      |      |      |      |      |      |       |      |      |  ft |
|--------------------------------------------------------------------------------------|---------|------|------|------|------|------|------|------|------|------|------|------|-------|------|------|----------------------------------------------------------------------------------------|
|                                                                                      | F 39    |      |      | F 59 |      |      | F 79 |      |      | F 98 |      |      | F 118 |      |      |                                                                                        |
|                                                                                      | 10°     | 15°  | 30°  | 10°  | 15°  | 30°  | 10°  | 15°  | 30°  | 10°  | 15°  | 30°  | 10°   | 15°  | 30°  |                                                                                        |
| 45                                                                                   | 301     | 270  |      |      |      |      |      |      |      |      |      |      |       |      |      | 45                                                                                     |
| 50                                                                                   | 295     | 265  |      |      |      |      |      |      |      |      |      |      |       |      |      | 50                                                                                     |
| 55                                                                                   | 280     | 259  |      | 209  |      |      |      |      |      |      |      |      |       |      |      | 55                                                                                     |
| 60                                                                                   | 258     | 252  | 157  | 203  | 182  |      | 165  |      |      |      |      |      |       |      |      | 60                                                                                     |
| 65                                                                                   | 235     | 237  | 153  | 198  | 178  |      | 161  | 138  |      | 138  |      |      | 124   |      |      | 65                                                                                     |
| 70                                                                                   | 216     | 218  | 150  | 194  | 174  |      | 156  | 134  |      | 134  |      |      | 120   |      |      | 70                                                                                     |
| 75                                                                                   | 198     | 201  | 147  | 189  | 169  | 106  | 151  | 130  |      | 129  | 110  |      | 116   | 98.5 |      | 75                                                                                     |
| 80                                                                                   | 182     | 185  | 144  | 182  | 164  | 104  | 147  | 126  | 84.5 | 125  | 106  |      | 112   | 95   |      | 80                                                                                     |
| 85                                                                                   | 169     | 171  | 141  | 171  | 159  | 102  | 142  | 122  | 83   | 120  | 103  |      | 108   | 91.5 |      | 85                                                                                     |
| 90                                                                                   | 156     | 159  | 138  | 159  | 155  | 100  | 137  | 118  | 81   | 116  | 99.5 |      | 104   | 88.5 |      | 90                                                                                     |
| 95                                                                                   | 145     | 147  | 136  | 148  | 148  | 98   | 133  | 115  | 79.5 | 112  | 96.5 | 67.5 | 100   | 86   |      | 95                                                                                     |
| 100                                                                                  | 135     | 137  | 134  | 137  | 140  | 96   | 129  | 111  | 78   | 108  | 93   | 65.5 | 96.5  | 83   | 57   | 100                                                                                    |
| 105                                                                                  | 126     | 127  | 131  | 128  | 131  | 94.5 | 125  | 108  | 76   | 105  | 90.5 | 64.5 | 93.5  | 80   | 55.6 | 105                                                                                    |
| 110                                                                                  | 117     | 119  | 123  | 120  | 122  | 93   | 120  | 105  | 74.5 | 102  | 88   | 63   | 90.5  | 77.5 | 54.1 | 110                                                                                    |
| 115                                                                                  | 109     | 111  | 116  | 112  | 114  | 91   | 113  | 102  | 73.5 | 98   | 85.5 | 61.5 | 87.5  | 75   | 52.8 | 115                                                                                    |
| 120                                                                                  | 102     | 104  | 108  | 105  | 107  | 89.5 | 106  | 99.5 | 72   | 95   | 83   | 60   | 84.5  | 73   | 51.4 | 120                                                                                    |
| 125                                                                                  | 95.5    | 97   | 101  | 98   | 100  | 88   | 99.5 | 97   | 71   | 91.5 | 80.5 | 58.8 | 82    | 71   | 50.1 | 125                                                                                    |
| 130                                                                                  | 89.5    | 91   | 94.5 | 92   | 94   | 87   | 93.5 | 94.5 | 69.5 | 89.5 | 78   | 57.6 | 79    | 68.5 | 48.8 | 130                                                                                    |
| 135                                                                                  | 84      | 85.5 | 89   | 86.5 | 88.5 | 85.5 | 88   | 90   | 68.5 | 86   | 76.5 | 56.4 | 76.5  | 66.5 | 47.7 | 135                                                                                    |
| 140                                                                                  | 78.5    | 80   | 83.5 | 81   | 83   | 84   | 82.5 | 84.5 | 67.5 | 81.5 | 74.5 | 55.2 | 74.5  | 64.5 | 46.7 | 140                                                                                    |
| 150                                                                                  | 69      | 70   | 73.5 | 71.5 | 73   | 77.5 | 73   | 75   | 65.5 | 73   | 71   | 53   | 70    | 61.5 | 44.5 | 150                                                                                    |
| 160                                                                                  | 60.5    | 61.5 | 64   | 63   | 64.5 | 68   | 64.5 | 66   | 63.5 | 64.5 | 66.5 | 51.2 | 64    | 58.1 | 42.2 | 160                                                                                    |
| 170                                                                                  | 52.8    | 53.8 | 56.3 | 55.2 | 56.5 | 60   | 56.6 | 58.3 | 61.5 | 57.1 | 59.2 | 49.4 | 56.8  | 55   | 39.2 | 170                                                                                    |
| 180                                                                                  | 46.1    | 47   | 49.2 | 48.5 | 49.8 | 52.9 | 50   | 51.6 | 55.3 | 50.5 | 52.4 | 47.6 | 50.3  | 51.4 | 36.1 | 180                                                                                    |
| 190                                                                                  | 39.8    | 40.6 | 42.6 | 42.5 | 43.6 | 46.5 | 43.9 | 45.4 | 49.1 | 44.5 | 46.3 | 46.1 | 44.4  | 46.5 | 33.1 | 190                                                                                    |
| 200                                                                                  | 34      | 34.8 | 36.5 | 36.9 | 37.9 | 40.5 | 38.4 | 39.8 | 43.2 | 39.1 | 40.7 | 43.8 | 39    | 40.9 | 29.2 | 200                                                                                    |
| 210                                                                                  | 28.8    | 29.4 | 31   | 31.7 | 32.6 | 34.9 | 33.4 | 34.6 | 37.8 | 34.1 | 35.6 | 39.5 | 34.1  | 35.9 | 23.4 | 210                                                                                    |
| 220                                                                                  | 24.2    | 24.8 | 26.2 | 27   | 27.9 | 29.9 | 28.9 | 30.1 | 33   | 29.6 | 31.1 | 34.7 | 29.7  | 31.4 | 17.6 | 220                                                                                    |
| 230                                                                                  | 20.1    | 20.6 | 21.8 | 22.8 | 23.5 | 25.4 | 24.7 | 25.8 | 28.4 | 25.5 | 26.9 | 30.2 | 25.6  | 27.2 | 11.8 | 230                                                                                    |
| 240                                                                                  | 16.2    | 16.7 | 17.8 | 18.8 | 19.5 | 21.2 | 20.8 | 21.8 | 24.1 | 21.8 | 23   | 26.1 | 21.9  | 23.4 |      | 240                                                                                    |
| 250                                                                                  | 12.7    | 13.2 | 14   | 15.2 | 15.9 | 17.3 | 17.2 | 18   | 20.1 | 18.2 | 19.4 | 22.2 | 18.4  | 19.8 |      | 250                                                                                    |
| 260                                                                                  | 9.6     | 10   | 10.7 | 12   | 12.6 | 13.8 | 13.9 | 14.7 | 16.5 | 15.1 | 16.1 | 18.7 | 15.3  | 16.6 |      | 260                                                                                    |
| 270                                                                                  |         |      |      | 9    | 9.5  | 10.6 | 10.9 | 11.6 | 13.2 | 12.1 | 13.1 | 15.4 | 12.4  | 13.6 |      | 270                                                                                    |
| 280                                                                                  |         |      |      |      |      |      |      |      | 10.1 | 9.3  | 10.2 | 12.3 | 9.7   | 10.8 |      | 280                                                                                    |

TAB 181111



SL3F

SL3 285



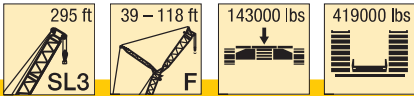
|  ft | SL3 285 |      |      |      |      |      |      |      |      |      |      |      |       |      |      |  ft |
|--------------------------------------------------------------------------------------|---------|------|------|------|------|------|------|------|------|------|------|------|-------|------|------|----------------------------------------------------------------------------------------|
|                                                                                      | F 39    |      |      | F 59 |      |      | F 79 |      |      | F 98 |      |      | F 118 |      |      |                                                                                        |
|                                                                                      | 10°     | 15°  | 30°  | 10°  | 15°  | 30°  | 10°  | 15°  | 30°  | 10°  | 15°  | 30°  | 10°   | 15°  | 30°  |                                                                                        |
| 45                                                                                   | 303     |      |      |      |      |      |      |      |      |      |      |      |       |      |      | 45                                                                                     |
| 50                                                                                   | 298     |      |      |      |      |      |      |      |      |      |      |      |       |      |      | 50                                                                                     |
| 55                                                                                   | 283     | 263  |      | 212  |      |      |      |      |      |      |      |      |       |      |      | 55                                                                                     |
| 60                                                                                   | 260     | 255  | 157  | 207  | 184  |      | 167  |      |      |      |      |      |       |      |      | 60                                                                                     |
| 65                                                                                   | 237     | 239  | 154  | 202  | 180  |      | 162  | 138  |      | 139  |      |      | 125   |      |      | 65                                                                                     |
| 70                                                                                   | 218     | 221  | 151  | 197  | 175  |      | 158  | 135  |      | 135  |      |      | 121   |      |      | 70                                                                                     |
| 75                                                                                   | 201     | 203  | 148  | 193  | 171  | 106  | 153  | 131  |      | 130  | 110  |      | 117   |      |      | 75                                                                                     |
| 80                                                                                   | 186     | 188  | 145  | 186  | 166  | 104  | 148  | 127  | 85   | 126  | 107  |      | 113   | 95.5 |      | 80                                                                                     |
| 85                                                                                   | 172     | 174  | 142  | 173  | 161  | 102  | 143  | 123  | 83   | 122  | 103  |      | 109   | 92.5 |      | 85                                                                                     |
| 90                                                                                   | 160     | 162  | 139  | 162  | 156  | 100  | 139  | 119  | 81.5 | 117  | 100  |      | 106   | 89.5 |      | 90                                                                                     |
| 95                                                                                   | 149     | 151  | 137  | 151  | 151  | 98.5 | 134  | 116  | 79.5 | 113  | 97   | 67.5 | 102   | 86.5 |      | 95                                                                                     |
| 100                                                                                  | 139     | 141  | 135  | 141  | 143  | 96.5 | 130  | 112  | 78   | 109  | 94   | 66   | 98    | 83.5 | 57.1 | 100                                                                                    |
| 105                                                                                  | 130     | 131  | 132  | 131  | 134  | 95   | 127  | 109  | 76.5 | 106  | 91   | 64.5 | 94.5  | 81   | 55.7 | 105                                                                                    |
| 110                                                                                  | 121     | 123  | 126  | 123  | 125  | 93.5 | 122  | 107  | 75   | 103  | 88.5 | 63   | 91.5  | 78   | 54.3 | 110                                                                                    |
| 115                                                                                  | 114     | 115  | 119  | 116  | 118  | 91.5 | 116  | 104  | 73.5 | 99.5 | 86.5 | 61.5 | 88.5  | 76   | 53   | 115                                                                                    |
| 120                                                                                  | 107     | 108  | 112  | 108  | 110  | 90   | 109  | 101  | 72.5 | 96.5 | 84   | 60.5 | 86    | 73.5 | 51.6 | 120                                                                                    |
| 125                                                                                  | 100     | 101  | 105  | 102  | 104  | 88.5 | 103  | 98   | 71   | 93.5 | 81.5 | 59.1 | 83    | 71.5 | 50.3 | 125                                                                                    |
| 130                                                                                  | 94      | 95   | 98.5 | 96   | 97.5 | 87.5 | 96.5 | 96   | 70   | 90.5 | 79   | 57.9 | 80    | 69.5 | 49   | 130                                                                                    |
| 135                                                                                  | 88.5    | 89.5 | 93   | 90.5 | 92   | 86   | 91   | 92   | 69   | 87.5 | 77.5 | 56.7 | 78    | 67.5 | 47.9 | 135                                                                                    |
| 140                                                                                  | 83      | 84.5 | 87.5 | 85   | 86.5 | 85   | 86   | 87.5 | 67.5 | 84   | 75.5 | 55.6 | 75.5  | 65.5 | 46.9 | 140                                                                                    |
| 150                                                                                  | 73.5    | 74.5 | 77.5 | 75.5 | 77   | 79.5 | 76.5 | 78.5 | 65.5 | 76.5 | 72   | 53.4 | 71.5  | 62   | 44.9 | 150                                                                                    |
| 160                                                                                  | 65      | 66   | 68.5 | 67   | 68.5 | 72   | 68   | 69.5 | 64   | 68   | 68   | 51.5 | 66.5  | 59   | 42.7 | 160                                                                                    |
| 170                                                                                  | 57.5    | 58.4 | 61   | 59.4 | 60.5 | 64   | 60.5 | 62   | 62   | 60.5 | 62.5 | 49.8 | 59.8  | 55.9 | 39.9 | 170                                                                                    |
| 180                                                                                  | 50.8    | 51.6 | 53.7 | 52.8 | 53.9 | 56.9 | 53.8 | 55.2 | 58   | 54   | 55.8 | 48   | 53.5  | 52.8 | 37   | 180                                                                                    |
| 190                                                                                  | 44.5    | 45.3 | 47.1 | 46.8 | 47.8 | 50.5 | 47.8 | 49.1 | 52.7 | 48   | 49.7 | 46.5 | 47.6  | 48.8 | 34.1 | 190                                                                                    |
| 200                                                                                  | 38.7    | 39.4 | 41.1 | 41.2 | 42.2 | 44.6 | 42.3 | 43.6 | 46.8 | 42.6 | 44.2 | 44.8 | 42.2  | 44.1 | 30.5 | 200                                                                                    |
| 210                                                                                  | 33.5    | 34.1 | 35.6 | 35.9 | 36.8 | 38.9 | 37.3 | 38.5 | 41.5 | 37.7 | 39.1 | 42.8 | 37.4  | 39.1 | 25.7 | 210                                                                                    |
| 220                                                                                  | 28.9    | 29.5 | 30.9 | 31.3 | 32.1 | 34   | 32.9 | 34   | 36.6 | 33.3 | 34.6 | 38.1 | 33    | 34.6 | 20   | 220                                                                                    |
| 230                                                                                  | 24.8    | 25.3 | 26.5 | 27   | 27.8 | 29.5 | 28.7 | 29.6 | 32   | 29.2 | 30.5 | 33.7 | 29    | 30.5 | 14.4 | 230                                                                                    |
| 240                                                                                  | 21      | 21.4 | 22.5 | 23.1 | 23.8 | 25.3 | 24.7 | 25.6 | 27.8 | 25.5 | 26.6 | 29.6 | 25.3  | 26.7 |      | 240                                                                                    |
| 250                                                                                  | 17.5    | 17.9 | 18.8 | 19.5 | 20.1 | 21.5 | 21.1 | 21.9 | 23.9 | 22   | 23.1 | 25.7 | 21.9  | 23.2 |      | 250                                                                                    |
| 260                                                                                  | 14.3    | 14.7 | 15.5 | 16.3 | 16.9 | 18.1 | 17.8 | 18.6 | 20.3 | 18.8 | 19.7 | 22.2 | 18.8  | 20   |      | 260                                                                                    |
| 270                                                                                  | 11.4    | 11.8 |      | 13.3 | 13.8 | 14.9 | 14.8 | 15.5 | 17.1 | 15.8 | 16.7 | 18.9 | 15.9  | 17   |      | 270                                                                                    |
| 280                                                                                  | 8.8     | 9.1  |      | 10.6 | 11   | 11.9 | 12   | 12.6 | 14   | 13   | 13.8 | 15.8 | 13.2  | 14.3 |      | 280                                                                                    |
| 290                                                                                  |         |      |      |      |      |      | 9.4  | 10   | 11.2 | 10.3 | 11.1 | 12.9 | 10.7  | 11.7 |      | 290                                                                                    |
| 300                                                                                  |         |      |      |      |      |      | 7    | 7.5  | 8.6  | 7.9  | 8.6  | 10.3 | 8.4   | 9.3  |      | 300                                                                                    |
| 310                                                                                  |         |      |      |      |      |      |      |      |      |      |      | 7.8  |       |      |      | 310                                                                                    |

TAB 181111



SL3F

SL3 295



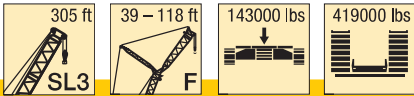
|  ft | SL3 295 |      |      |      |      |      |      |      |      |      |      |      |       |      |      |  ft |
|--------------------------------------------------------------------------------------|---------|------|------|------|------|------|------|------|------|------|------|------|-------|------|------|----------------------------------------------------------------------------------------|
|                                                                                      | F 39    |      |      | F 59 |      |      | F 79 |      |      | F 98 |      |      | F 118 |      |      |                                                                                        |
|                                                                                      | 10°     | 15°  | 30°  | 10°  | 15°  | 30°  | 10°  | 15°  | 30°  | 10°  | 15°  | 30°  | 10°   | 15°  | 30°  |                                                                                        |
| 45                                                                                   | 294     |      |      |      |      |      |      |      |      |      |      |      |       |      |      | 45                                                                                     |
| 50                                                                                   | 289     |      |      |      |      |      |      |      |      |      |      |      |       |      |      | 50                                                                                     |
| 55                                                                                   | 274     | 257  |      | 207  |      |      |      |      |      |      |      |      |       |      |      | 55                                                                                     |
| 60                                                                                   | 249     | 249  | 157  | 203  | 182  |      | 164  |      |      |      |      |      |       |      |      | 60                                                                                     |
| 65                                                                                   | 227     | 230  | 154  | 198  | 179  |      | 160  | 139  |      | 137  |      |      | 122   |      |      | 65                                                                                     |
| 70                                                                                   | 208     | 211  | 151  | 194  | 175  |      | 157  | 135  |      | 134  |      |      | 120   |      |      | 70                                                                                     |
| 75                                                                                   | 191     | 194  | 148  | 188  | 171  | 106  | 153  | 131  |      | 130  | 111  |      | 117   |      |      | 75                                                                                     |
| 80                                                                                   | 176     | 179  | 146  | 178  | 166  | 104  | 148  | 127  |      | 126  | 107  |      | 113   | 96   |      | 80                                                                                     |
| 85                                                                                   | 162     | 165  | 143  | 165  | 162  | 102  | 144  | 124  | 83   | 122  | 104  |      | 110   | 92.5 |      | 85                                                                                     |
| 90                                                                                   | 150     | 153  | 140  | 153  | 154  | 101  | 140  | 120  | 81.5 | 118  | 101  |      | 106   | 89.5 |      | 90                                                                                     |
| 95                                                                                   | 140     | 142  | 138  | 142  | 145  | 99   | 135  | 117  | 80   | 114  | 98   | 67.5 | 102   | 87   |      | 95                                                                                     |
| 100                                                                                  | 130     | 132  | 134  | 132  | 135  | 97   | 131  | 113  | 78.5 | 110  | 95   | 66   | 99    | 84   | 57.1 | 100                                                                                    |
| 105                                                                                  | 120     | 122  | 128  | 123  | 126  | 95.5 | 124  | 110  | 77   | 107  | 92.5 | 64.5 | 95    | 81.5 | 55.8 | 105                                                                                    |
| 110                                                                                  | 112     | 114  | 119  | 115  | 117  | 94   | 116  | 108  | 75.5 | 104  | 89.5 | 63   | 92.5  | 79   | 54.4 | 110                                                                                    |
| 115                                                                                  | 105     | 106  | 111  | 107  | 110  | 92.5 | 108  | 105  | 74   | 101  | 87.5 | 62   | 89.5  | 76.5 | 53.1 | 115                                                                                    |
| 120                                                                                  | 97.5    | 99   | 104  | 100  | 102  | 90.5 | 101  | 102  | 72.5 | 97.5 | 85   | 60.5 | 87    | 74.5 | 51.8 | 120                                                                                    |
| 125                                                                                  | 91      | 92.5 | 96.5 | 93.5 | 95.5 | 89   | 95   | 97.5 | 71.5 | 94.5 | 82.5 | 59.3 | 84    | 72.5 | 50.5 | 125                                                                                    |
| 130                                                                                  | 85      | 86.5 | 90.5 | 87.5 | 89.5 | 88   | 89   | 91.5 | 70.5 | 89   | 80.5 | 58.2 | 81.5  | 70   | 49.2 | 130                                                                                    |
| 135                                                                                  | 79.5    | 81   | 84.5 | 82   | 84   | 85   | 83.5 | 86   | 69   | 83.5 | 78.5 | 57   | 78.5  | 68   | 48.2 | 135                                                                                    |
| 140                                                                                  | 74.5    | 75.5 | 79.5 | 77   | 78.5 | 81.5 | 78.5 | 80.5 | 68   | 78.5 | 76.5 | 55.9 | 76    | 66   | 47.1 | 140                                                                                    |
| 150                                                                                  | 64.5    | 66   | 69.5 | 67.5 | 69   | 73.5 | 69   | 71   | 66   | 69   | 70.5 | 53.8 | 68.5  | 62.5 | 45.1 | 150                                                                                    |
| 160                                                                                  | 56.3    | 57.4 | 60.5 | 58.8 | 60.5 | 64.5 | 60.5 | 62   | 63.5 | 60.5 | 63   | 51.8 | 60.5  | 59.4 | 43   | 160                                                                                    |
| 170                                                                                  | 48.8    | 49.8 | 52.5 | 51.3 | 52.7 | 56.3 | 52.7 | 54.5 | 59   | 53.3 | 55.4 | 50.1 | 52.9  | 55.2 | 40.5 | 170                                                                                    |
| 180                                                                                  | 42.2    | 43.2 | 45.6 | 44.7 | 46   | 49.3 | 46.2 | 47.8 | 52.1 | 46.7 | 48.7 | 48.4 | 46.5  | 48.8 | 37.7 | 180                                                                                    |
| 190                                                                                  | 36.3    | 37.2 | 39.4 | 38.7 | 39.9 | 42.9 | 40.2 | 41.7 | 45.7 | 40.8 | 42.7 | 45.7 | 40.6  | 42.8 | 34.9 | 190                                                                                    |
| 200                                                                                  | 30.9    | 31.7 | 33.7 | 33.2 | 34.3 | 37.1 | 34.7 | 36.1 | 39.8 | 35.4 | 37.1 | 41.6 | 35.3  | 37.3 | 31.8 | 200                                                                                    |
| 210                                                                                  | 25.9    | 26.7 | 28.5 | 28.2 | 29.2 | 31.8 | 29.7 | 31   | 34.4 | 30.4 | 32   | 36.2 | 30.4  | 32.3 | 27.9 | 210                                                                                    |
| 220                                                                                  | 21.6    | 22.2 | 23.9 | 23.8 | 24.7 | 27.1 | 25.3 | 26.5 | 29.6 | 26   | 27.5 | 31.4 | 26    | 27.8 | 22.4 | 220                                                                                    |
| 230                                                                                  | 17.5    | 18.1 | 19.5 | 19.7 | 20.6 | 22.7 | 21.2 | 22.3 | 25.2 | 21.9 | 23.3 | 27   | 22    | 23.7 | 16.9 | 230                                                                                    |
| 240                                                                                  | 13.7    | 14.2 | 15.5 | 16   | 16.8 | 18.6 | 17.4 | 18.4 | 21   | 18.1 | 19.5 | 22.8 | 18.3  | 19.9 | 11.5 | 240                                                                                    |
| 250                                                                                  |         | 10.7 | 11.8 | 12.5 | 13.2 | 14.9 | 13.9 | 14.8 | 17.2 | 14.7 | 15.9 | 19   | 14.8  | 16.3 | 6.5  | 250                                                                                    |
| 260                                                                                  |         | 7.5  | 8.4  | 9.3  | 10   | 11.5 | 10.7 | 11.6 | 13.8 | 11.5 | 12.6 | 15.5 | 11.7  | 13.1 | 5.2  | 260                                                                                    |
| 270                                                                                  |         |      |      |      |      | 8.3  |      | 8.6  | 10.6 | 8.6  | 9.6  | 12.3 | 8.8   | 10.1 |      | 270                                                                                    |
| 280                                                                                  |         |      |      |      |      |      |      |      |      |      | 6.8  | 9.2  |       | 7.3  |      | 280                                                                                    |

TAB 181111



SL3F

SL3 305



|  ft | SL3 305 |      |      |      |      |      |      |      |      |      |      |      |       |      |      |  ft |
|--------------------------------------------------------------------------------------|---------|------|------|------|------|------|------|------|------|------|------|------|-------|------|------|----------------------------------------------------------------------------------------|
|                                                                                      | F 39    |      |      | F 59 |      |      | F 79 |      |      | F 98 |      |      | F 118 |      |      |                                                                                        |
|                                                                                      | 10°     | 15°  | 30°  | 10°  | 15°  | 30°  | 10°  | 15°  | 30°  | 10°  | 15°  | 30°  | 10°   | 15°  | 30°  |                                                                                        |
| 45                                                                                   | 294     |      |      |      |      |      |      |      |      |      |      |      |       |      |      | 45                                                                                     |
| 50                                                                                   | 289     |      |      |      |      |      |      |      |      |      |      |      |       |      |      | 50                                                                                     |
| 55                                                                                   | 275     | 259  |      |      |      |      |      |      |      | 258  | 236  |      |       |      |      | 55                                                                                     |
| 60                                                                                   | 251     | 252  | 158  | 205  | 184  |      |      |      |      | 246  | 230  | 156  | 187   |      |      | 60                                                                                     |
| 65                                                                                   | 229     | 232  | 155  | 201  | 180  |      | 162  | 139  |      | 225  | 225  | 153  | 182   | 164  |      | 65                                                                                     |
| 70                                                                                   | 211     | 214  | 152  | 197  | 177  |      | 159  | 136  |      | 207  | 209  | 150  | 178   | 161  |      | 70                                                                                     |
| 75                                                                                   | 194     | 197  | 149  | 190  | 172  | 107  | 155  | 132  |      | 190  | 193  | 148  | 174   | 158  | 106  | 75                                                                                     |
| 80                                                                                   | 179     | 182  | 146  | 181  | 168  | 105  | 151  | 128  |      | 175  | 178  | 145  | 169   | 155  | 104  | 80                                                                                     |
| 85                                                                                   | 166     | 168  | 144  | 168  | 164  | 103  | 146  | 124  | 83.5 | 162  | 165  | 142  | 164   | 151  | 102  | 85                                                                                     |
| 90                                                                                   | 154     | 156  | 141  | 156  | 157  | 101  | 141  | 121  | 81.5 | 151  | 153  | 140  | 153   | 148  | 100  | 90                                                                                     |
| 95                                                                                   | 143     | 145  | 139  | 145  | 148  | 99.5 | 137  | 118  | 80   | 140  | 142  | 137  | 142   | 143  | 98.5 | 95                                                                                     |
| 100                                                                                  | 134     | 135  | 136  | 136  | 138  | 97.5 | 132  | 114  | 78.5 | 130  | 132  | 134  | 132   | 135  | 97   | 100                                                                                    |
| 105                                                                                  | 125     | 126  | 131  | 126  | 129  | 96   | 127  | 111  | 77   | 121  | 123  | 128  | 123   | 126  | 95   | 105                                                                                    |
| 110                                                                                  | 116     | 118  | 123  | 118  | 121  | 94.5 | 119  | 109  | 75.5 | 113  | 115  | 120  | 115   | 118  | 94   | 110                                                                                    |
| 115                                                                                  | 109     | 111  | 115  | 111  | 113  | 93   | 112  | 106  | 74.5 | 106  | 108  | 112  | 108   | 110  | 92.5 | 115                                                                                    |
| 120                                                                                  | 102     | 103  | 108  | 104  | 106  | 91.5 | 105  | 103  | 73   | 99   | 101  | 105  | 101   | 103  | 91   | 120                                                                                    |
| 125                                                                                  | 95.5    | 97   | 101  | 97.5 | 99.5 | 90   | 98.5 | 100  | 72   | 92.5 | 94   | 98   | 94.5  | 96.5 | 89.5 | 125                                                                                    |
| 130                                                                                  | 89.5    | 91   | 94.5 | 91.5 | 93.5 | 88.5 | 92.5 | 94.5 | 70.5 | 86.5 | 88   | 92   | 89    | 90.5 | 88.5 | 130                                                                                    |
| 135                                                                                  | 84      | 85.5 | 89   | 86   | 88   | 86.5 | 87   | 89   | 69.5 | 81.5 | 82.5 | 86.5 | 83.5  | 85   | 85.5 | 135                                                                                    |
| 140                                                                                  | 79      | 80   | 83.5 | 81   | 82.5 | 84.5 | 82   | 84   | 68.5 | 76   | 77.5 | 81   | 78.5  | 80   | 82.5 | 140                                                                                    |
| 150                                                                                  | 69.5    | 70.5 | 73.5 | 71.5 | 73   | 77   | 72.5 | 74.5 | 66.5 | 66.5 | 68   | 71   | 69    | 70.5 | 74.5 | 150                                                                                    |
| 160                                                                                  | 61      | 62   | 65   | 63   | 64.5 | 68   | 64   | 66   | 64.5 | 58.4 | 59.5 | 62.5 | 60.5  | 62   | 66   | 160                                                                                    |
| 170                                                                                  | 53.6    | 54.6 | 57.1 | 55.6 | 56.9 | 60.5 | 56.6 | 58.3 | 62.5 | 51   | 52   | 54.6 | 53    | 54.4 | 57.9 | 170                                                                                    |
| 180                                                                                  | 47.1    | 48   | 50.3 | 49.1 | 50.3 | 53.4 | 50.1 | 51.6 | 55.7 | 44.5 | 45.4 | 47.8 | 46.5  | 47.8 | 51   | 180                                                                                    |
| 190                                                                                  | 41.2    | 42.1 | 44.2 | 43.1 | 44.2 | 47.1 | 44.2 | 45.6 | 49.3 | 38.6 | 39.5 | 41.7 | 40.6  | 41.8 | 44.8 | 190                                                                                    |
| 200                                                                                  | 35.9    | 36.6 | 38.5 | 37.7 | 38.7 | 41.4 | 38.7 | 40.1 | 43.5 | 33.3 | 34.1 | 36.1 | 35.2  | 36.3 | 39   | 200                                                                                    |
| 210                                                                                  | 31      | 31.7 | 33.4 | 32.8 | 33.7 | 36.1 | 33.8 | 35   | 38.2 | 28.4 | 29.1 | 30.9 | 30.3  | 31.3 | 33.8 | 210                                                                                    |
| 220                                                                                  | 26.5    | 27.1 | 28.7 | 28.4 | 29.2 | 31.4 | 29.4 | 30.6 | 33.5 | 24.1 | 24.8 | 26.4 | 25.9  | 26.8 | 29.1 | 220                                                                                    |
| 230                                                                                  | 22.4    | 22.9 | 24.3 | 24.3 | 25.1 | 27.1 | 25.4 | 26.4 | 29.1 | 20.1 | 20.7 | 22.2 | 21.9  | 22.7 | 24.8 | 230                                                                                    |
| 240                                                                                  | 18.5    | 19   | 20.2 | 20.6 | 21.3 | 23.1 | 21.6 | 22.6 | 25.1 | 16.4 | 17   | 18.3 | 18.1  | 18.9 | 20.8 | 240                                                                                    |
| 250                                                                                  | 15      | 15.5 | 16.5 | 17.1 | 17.8 | 19.4 | 18.1 | 19   | 21.3 | 13   | 13.6 | 14.8 | 14.7  | 15.4 | 17.2 | 250                                                                                    |
| 260                                                                                  | 11.9    | 12.3 | 13.2 | 13.9 | 14.5 | 15.9 | 15   | 15.8 | 17.9 | 9.9  | 10.4 | 11.4 | 11.6  | 12.2 | 13.8 | 260                                                                                    |
| 270                                                                                  | 9       | 9.3  | 10.1 | 10.9 | 11.4 | 12.7 | 12.1 | 12.9 | 14.8 |      |      | 8.3  | 8.7   | 9.3  | 10.7 | 270                                                                                    |
| 280                                                                                  |         |      |      |      |      | 9.7  | 9.4  | 10.1 | 11.8 |      |      |      |       |      |      | 280                                                                                    |

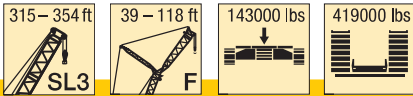
TAB 181111

TAB 181111



SL3F

SL3 315 - 354



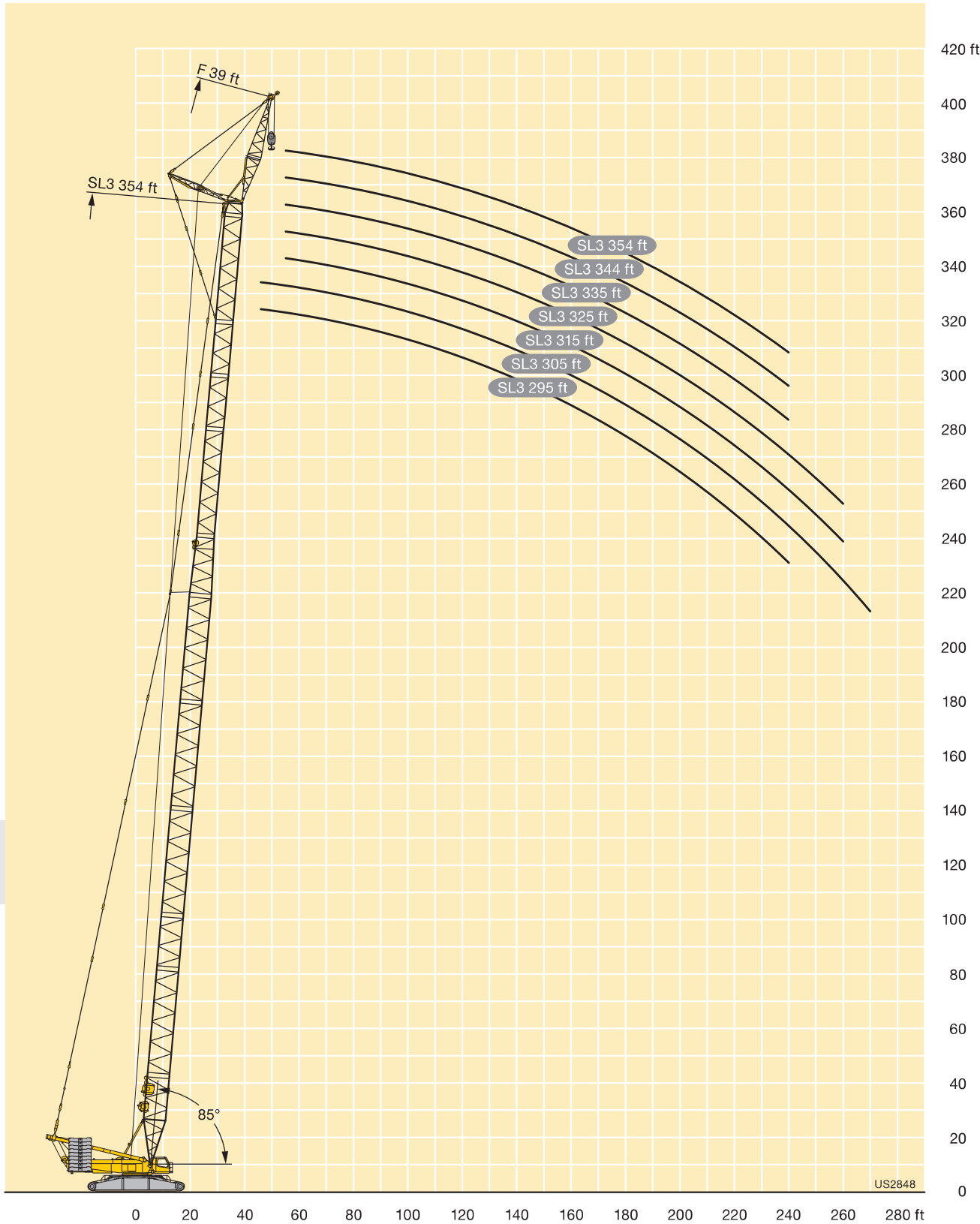
|  ft | SL3 315 |      |      |      |      |      | SL3 325 |      |      |      |      |      | SL3 335 |      |      | SL3 344 |      |      | SL3 354 |      |      |  ft |
|--------------------------------------------------------------------------------------|---------|------|------|------|------|------|---------|------|------|------|------|------|---------|------|------|---------|------|------|---------|------|------|----------------------------------------------------------------------------------------|
|                                                                                      | F 39    |      |      | F 59 |      |      | F 39    |      |      | F 59 |      |      | F 39    |      |      | F 39    |      |      | F 39    |      |      |                                                                                        |
|                                                                                      | 10°     | 15°  | 30°  | 10°  | 15°  | 30°  | 10°     | 15°  | 30°  | 10°  | 15°  | 30°  | 10°     | 15°  | 30°  | 10°     | 15°  | 30°  | 10°     | 15°  | 30°  |                                                                                        |
| 55                                                                                   | 258     | 236  |      | 187  |      |      | 255     | 235  |      | 187  |      |      | 238     | 219  |      | 235     |      |      | 209     |      |      | 55                                                                                     |
| 60                                                                                   | 246     | 230  | 156  | 187  |      |      | 241     | 230  | 156  | 187  |      |      | 231     | 214  |      | 228     | 213  |      | 204     | 190  |      | 60                                                                                     |
| 65                                                                                   | 225     | 225  | 153  | 182  | 164  |      | 220     | 222  | 154  | 183  | 165  |      | 217     | 209  | 154  | 213     | 209  | 154  | 198     | 185  | 154  | 65                                                                                     |
| 70                                                                                   | 207     | 209  | 150  | 178  | 161  |      | 202     | 205  | 151  | 178  | 162  |      | 200     | 200  | 151  | 196     | 197  | 152  | 191     | 181  | 151  | 70                                                                                     |
| 75                                                                                   | 190     | 193  | 148  | 174  | 158  | 106  | 186     | 189  | 148  | 174  | 158  | 106  | 184     | 187  | 148  | 180     | 183  | 149  | 180     | 176  | 148  | 75                                                                                     |
| 80                                                                                   | 175     | 178  | 145  | 169  | 155  | 104  | 172     | 174  | 146  | 169  | 155  | 104  | 170     | 172  | 146  | 166     | 169  | 146  | 166     | 168  | 146  | 80                                                                                     |
| 85                                                                                   | 162     | 165  | 142  | 164  | 151  | 102  | 159     | 161  | 143  | 161  | 152  | 102  | 157     | 159  | 143  | 154     | 156  | 144  | 153     | 156  | 143  | 85                                                                                     |
| 90                                                                                   | 151     | 153  | 140  | 153  | 148  | 100  | 147     | 150  | 140  | 149  | 149  | 100  | 146     | 148  | 141  | 142     | 145  | 142  | 142     | 144  | 140  | 90                                                                                     |
| 95                                                                                   | 140     | 142  | 137  | 142  | 143  | 98.5 | 137     | 139  | 138  | 139  | 142  | 99   | 135     | 137  | 138  | 132     | 134  | 137  | 132     | 134  | 136  | 95                                                                                     |
| 100                                                                                  | 130     | 132  | 134  | 132  | 135  | 97   | 127     | 129  | 134  | 129  | 132  | 97   | 126     | 128  | 133  | 123     | 125  | 130  | 123     | 125  | 130  | 100                                                                                    |
| 105                                                                                  | 121     | 123  | 128  | 123  | 126  | 95   | 118     | 120  | 125  | 121  | 123  | 95.5 | 117     | 119  | 124  | 114     | 116  | 121  | 114     | 116  | 121  | 105                                                                                    |
| 110                                                                                  | 113     | 115  | 120  | 115  | 118  | 94   | 110     | 112  | 117  | 113  | 115  | 94   | 109     | 111  | 116  | 106     | 108  | 113  | 106     | 108  | 113  | 110                                                                                    |
| 115                                                                                  | 106     | 108  | 112  | 108  | 110  | 92.5 | 103     | 105  | 109  | 105  | 107  | 93   | 102     | 104  | 108  | 99      | 101  | 105  | 99      | 101  | 106  | 115                                                                                    |
| 120                                                                                  | 99      | 101  | 105  | 101  | 103  | 91   | 96      | 97.5 | 102  | 98.5 | 100  | 91.5 | 95      | 96.5 | 101  | 92      | 94   | 98.5 | 92.5    | 94   | 98.5 | 120                                                                                    |
| 125                                                                                  | 92.5    | 94   | 98   | 94.5 | 96.5 | 89.5 | 89.5    | 91   | 95.5 | 92   | 94   | 90   | 88.5    | 90   | 94.5 | 86      | 87.5 | 92   | 86      | 88   | 92   | 125                                                                                    |
| 130                                                                                  | 86.5    | 88   | 92   | 89   | 90.5 | 88.5 | 84      | 85.5 | 89   | 86   | 88   | 89   | 83      | 84.5 | 88.5 | 80      | 81.5 | 86   | 80.5    | 82   | 86   | 130                                                                                    |
| 135                                                                                  | 81.5    | 82.5 | 86.5 | 83.5 | 85   | 85.5 | 78.5    | 80   | 83.5 | 81   | 82.5 | 85.5 | 77.5    | 79   | 83   | 75      | 76.5 | 80.5 | 75.5    | 77   | 80.5 | 135                                                                                    |
| 140                                                                                  | 76      | 77.5 | 81   | 78.5 | 80   | 82.5 | 73.5    | 74.5 | 78.5 | 75.5 | 77.5 | 81   | 72.5    | 74   | 77.5 | 70      | 71.5 | 75   | 70.5    | 72   | 75.5 | 140                                                                                    |
| 150                                                                                  | 66.5    | 68   | 71   | 69   | 70.5 | 74.5 | 64      | 65.5 | 68.5 | 66.5 | 68   | 72.5 | 63.5    | 64.5 | 68   | 60.5    | 62   | 65.5 | 61.5    | 62.5 | 66   | 150                                                                                    |
| 160                                                                                  | 58.4    | 59.5 | 62.5 | 60.5 | 62   | 66   | 55.8    | 56.9 | 59.9 | 57.9 | 59.5 | 63.5 | 55      | 56.2 | 59.2 | 52.5    | 53.7 | 56.8 | 53.1    | 54.3 | 57.4 | 160                                                                                    |
| 170                                                                                  | 51      | 52   | 54.6 | 53   | 54.4 | 57.9 | 48.4    | 49.4 | 52.1 | 50.5 | 51.9 | 55.6 | 47.7    | 48.8 | 51.5 | 45.2    | 46.3 | 49.1 | 45.9    | 47   | 49.8 | 170                                                                                    |
| 180                                                                                  | 44.5    | 45.4 | 47.8 | 46.5 | 47.8 | 51   | 41.9    | 42.9 | 45.4 | 44.1 | 45.4 | 48.7 | 41.3    | 42.3 | 44.8 | 38.8    | 39.8 | 42.4 | 39.6    | 40.6 | 43.2 | 180                                                                                    |
| 190                                                                                  | 38.6    | 39.5 | 41.7 | 40.6 | 41.8 | 44.8 | 36.1    | 37   | 39.3 | 38.2 | 39.4 | 42.5 | 35.5    | 36.4 | 38.7 | 33      | 34   | 36.3 | 33.8    | 34.7 | 37.1 | 190                                                                                    |
| 200                                                                                  | 33.3    | 34.1 | 36.1 | 35.2 | 36.3 | 39   | 30.8    | 31.6 | 33.7 | 32.8 | 33.9 | 36.8 | 30.2    | 31   | 33.1 | 27.7    | 28.6 | 30.8 | 28.5    | 29.4 | 31.6 | 200                                                                                    |
| 210                                                                                  | 28.4    | 29.1 | 30.9 | 30.3 | 31.3 | 33.8 | 25.9    | 26.7 | 28.6 | 27.9 | 28.9 | 31.5 | 25.3    | 26.1 | 28   | 22.9    | 23.7 | 25.7 | 23.7    | 24.5 | 26.5 | 210                                                                                    |
| 220                                                                                  | 24.1    | 24.8 | 26.4 | 25.9 | 26.8 | 29.1 | 21.6    | 22.3 | 24   | 23.5 | 24.5 | 26.9 | 21      | 21.7 | 23.5 | 18.6    | 19.3 | 21.2 | 19.4    | 20.2 | 22   | 220                                                                                    |
| 230                                                                                  | 20.1    | 20.7 | 22.2 | 21.9 | 22.7 | 24.8 | 17.6    | 18.3 | 19.9 | 19.5 | 20.4 | 22.6 | 17      | 17.7 | 19.3 | 14.6    | 15.3 | 17   | 15.4    | 16.1 | 17.8 | 230                                                                                    |
| 240                                                                                  | 16.4    | 17   | 18.3 | 18.1 | 18.9 | 20.8 | 14      | 14.6 | 16   | 15.8 | 16.6 | 18.6 | 13.4    | 14   | 15.4 | 11      | 11.6 | 13.1 | 11.8    | 12.4 | 14   | 240                                                                                    |
| 250                                                                                  | 13      | 13.6 | 14.8 | 14.7 | 15.4 | 17.2 | 10.6    | 11.1 | 12.4 | 12.3 | 13.1 | 14.9 |         | 10.5 | 11.9 |         |      |      |         |      |      | 250                                                                                    |
| 260                                                                                  | 9.9     | 10.4 | 11.4 | 11.6 | 12.2 | 13.8 | 7.5     | 8    | 9.2  | 9.2  | 9.9  | 11.6 |         | 7.4  | 8.6  |         |      |      |         |      |      | 260                                                                                    |
| 270                                                                                  |         |      | 8.3  | 8.7  | 9.3  | 10.7 |         |      |      |      |      | 8.5  |         |      |      |         |      |      |         |      |      | 270                                                                                    |

TAB 181111



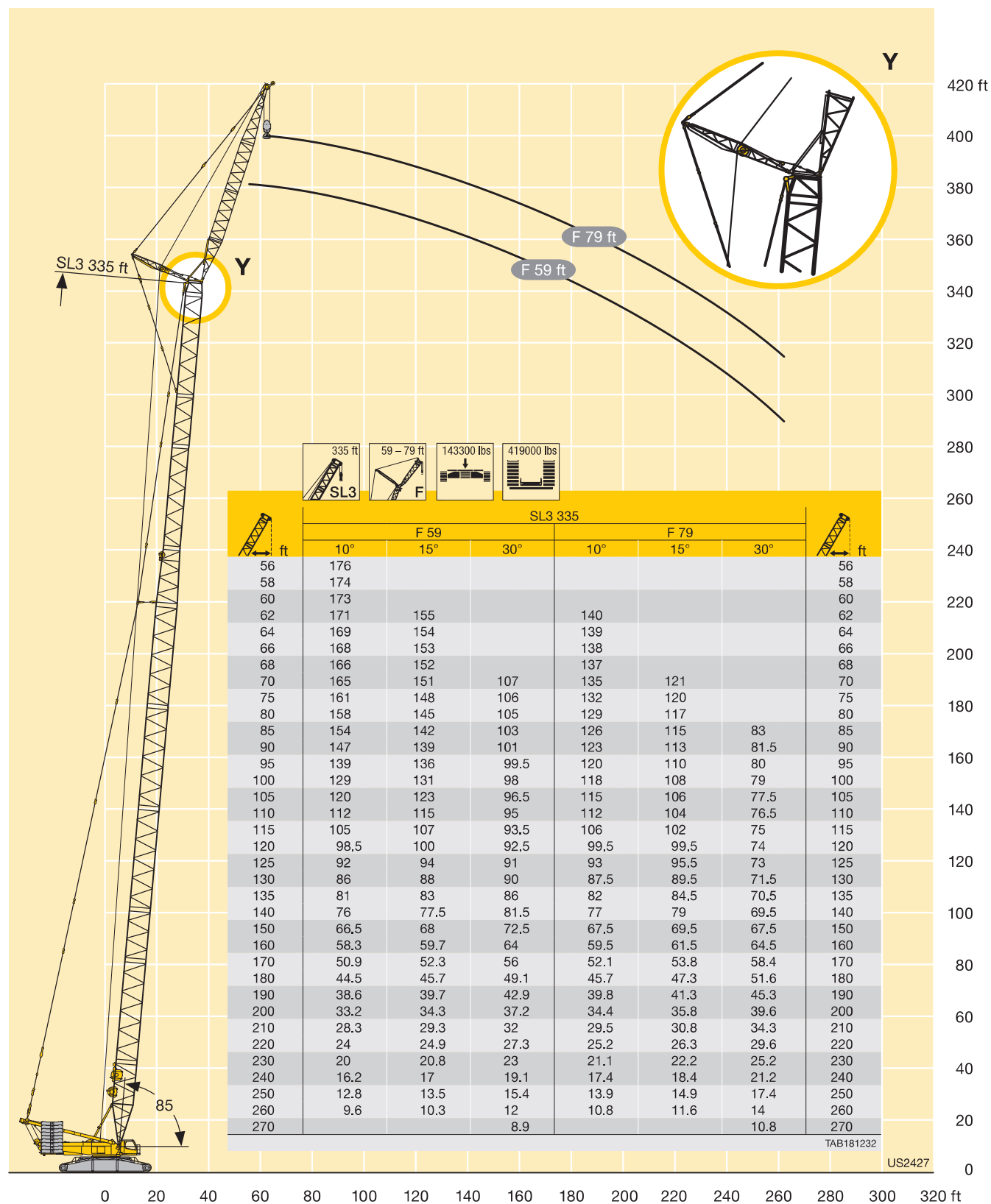
**Lifting heights  
Hauteurs de levage**

**SL3F**



M

## Lifting heights Hauteurs de levage

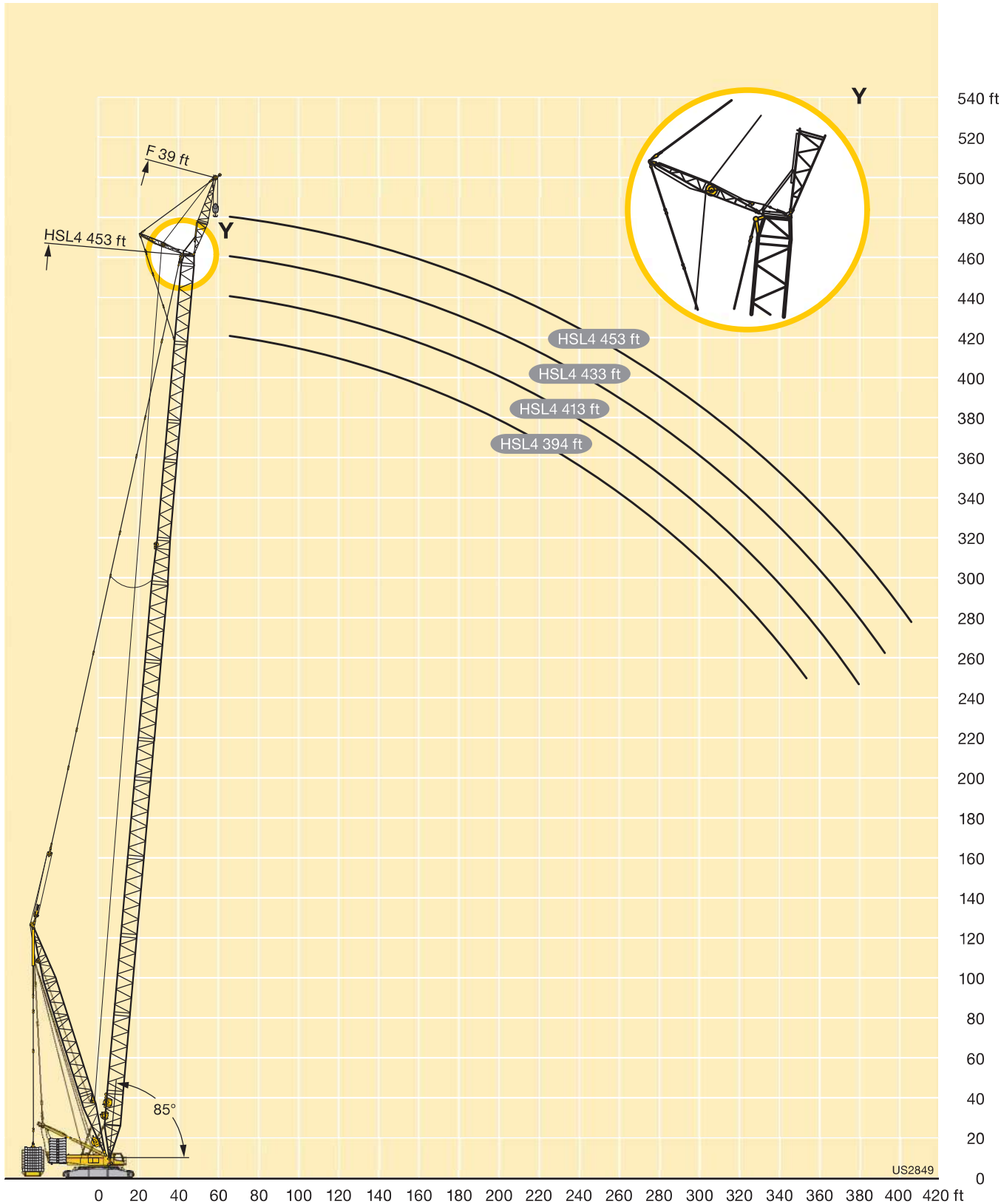
**SL3F**





**Lifting heights  
Hauteurs de levage**

**HSL4DFB/B2/BW**





SL10DFB/B2

SL10 335 - 413

|  |                                                                                   |  |            |  |            |  |            |  |            |  |             |  |             |              |              |              |              |              |              |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|------------|-----------------------------------------------------------------------------------|------------|-----------------------------------------------------------------------------------|------------|-----------------------------------------------------------------------------------|------------|-----------------------------------------------------------------------------------|-------------|-----------------------------------------------------------------------------------|-------------|--------------|--------------|--------------|--------------|--------------|--------------|
| 335 - 413 ft                                                                      |                                                                                   | 118 ft                                                                            |            | 39 ft                                                                             |            | 143300 lbs                                                                        |            | 331000 lbs                                                                        |            | B B2                                                                              |             | 550000 - 771000 lbs<br>331000 - 550000 lbs<br>0 - 331000 lbs<br>0 lbs             |             |              |              |              |              |              |              |
| ft                                                                                |  | SL10 335                                                                          |            | SL10 344                                                                          |            | SL10 354                                                                          |            | SL10 364                                                                          |            | SL10 374                                                                          |             | SL10 384                                                                          |             | SL10 394     |              | SL10 404     |              | SL10 413     |              |
|                                                                                   |                                                                                   | 11°                                                                               | 16°        | 11°                                                                               | 16°        | 11°                                                                               | 16°        | 11°                                                                               | 16°        | 11°                                                                               | 16°         | 11°                                                                               | 16°         | 11°          | 16°          | 11°          | 16°          | 11°          | 16°          |
| 240                                                                               | B<br>B2                                                                           | 133<br>134                                                                        | 129<br>130 | 138<br>139                                                                        | 133<br>135 | 141<br>144                                                                        | 137<br>139 | 146<br>150                                                                        | 141<br>144 | 150<br>154                                                                        | 145<br>147  | 154<br>161                                                                        | 149<br>150  | 160<br>168   | 151<br>152   | 164<br>173   | 153<br>156   | 161<br>176   | 158<br>160   |
| 250                                                                               | B<br>B2                                                                           | 130<br>131                                                                        | 127<br>128 | 135<br>136                                                                        | 131<br>132 | 139<br>141                                                                        | 134<br>136 | 143<br>147                                                                        | 138<br>141 | 146<br>151                                                                        | 141<br>143  | 150<br>157                                                                        | 145<br>145  | 156<br>164   | 147<br>148   | 160<br>169   | 149<br>151   | 156<br>172   | 154<br>156   |
| 260                                                                               | B<br>B2                                                                           | 128<br>128                                                                        | 125<br>125 | 133<br>133                                                                        | 129<br>130 | 136<br>139                                                                        | 132<br>134 | 141<br>144                                                                        | 135<br>138 | 144<br>148                                                                        | 138<br>140  | 146<br>154                                                                        | 141<br>142  | 150<br>159   | 143<br>144   | 155<br>163   | 145<br>147   | 152<br>169   | 151<br>152   |
| 270                                                                               | B<br>B2                                                                           | 126<br>126                                                                        | 123<br>123 | 130<br>130                                                                        | 127<br>127 | 134<br>136                                                                        | 130<br>131 | 138<br>141                                                                        | 133<br>134 | 142<br>145                                                                        | 136<br>137  | 142<br>151                                                                        | 138<br>139  | 144<br>154   | 138<br>141   | 148<br>157   | 139<br>143   | 145<br>162   | 145<br>147   |
| 280                                                                               | B<br>B2                                                                           | 125<br>124                                                                        | 122<br>121 | 128<br>128                                                                        | 125<br>125 | 131<br>133                                                                        | 128<br>129 | 136<br>138                                                                        | 130<br>131 | 139<br>141                                                                        | 133<br>134  | 138<br>148                                                                        | 135<br>136  | 138<br>148   | 134<br>138   | 140<br>150   | 134<br>139   | 138<br>154   | 138<br>142   |
| 290                                                                               | B<br>B2                                                                           | 124<br>122                                                                        | 121<br>120 | 127<br>127                                                                        | 123<br>123 | 129<br>131                                                                        | 126<br>127 | 133<br>135                                                                        | 128<br>128 | 137<br>138                                                                        | 130<br>131  | 134<br>145                                                                        | 132<br>132  | 131<br>143   | 129<br>135   | 132<br>143   | 128<br>136   | 130<br>146   | 131<br>137   |
| 300                                                                               | B<br>B2                                                                           | 122<br>121                                                                        | 120<br>119 | 127<br>125                                                                        | 122<br>122 | 126<br>130                                                                        | 124<br>124 | 128<br>133                                                                        | 124<br>126 | 131<br>135                                                                        | 126<br>127  | 129<br>141                                                                        | 129<br>129  | 125<br>138   | 124<br>132   | 124<br>136   | 122<br>132   | 123<br>137   | 124<br>133   |
| 310                                                                               | B<br>B2                                                                           | 122<br>120                                                                        | 119<br>118 | 125<br>124                                                                        | 120<br>120 | 124<br>128                                                                        | 122<br>122 | 122<br>130                                                                        | 120<br>124 | 125<br>131                                                                        | 121<br>125  | 123<br>135                                                                        | 123<br>126  | 119<br>132   | 119<br>128   | 116<br>129   | 116<br>128   | 115<br>129   | 117<br>128   |
| 320                                                                               | B<br>B2                                                                           | 121<br>120                                                                        | 117<br>116 | 121<br>123                                                                        | 118<br>119 | 120<br>126                                                                        | 119<br>120 | 117<br>128                                                                        | 117<br>122 | 118<br>127                                                                        | 116<br>123  | 116<br>129                                                                        | 117<br>122  | 113<br>126   | 113<br>123   | 110<br>123   | 110<br>123   | 109<br>122   | 110<br>122   |
| 330                                                                               | B<br>B2                                                                           |                                                                                   |            | 116<br>122                                                                        | 116<br>117 | 115<br>124                                                                        | 115<br>119 | 112<br>124                                                                        | 113<br>120 | 112<br>123                                                                        | 112<br>121  | 110<br>122                                                                        | 110<br>119  | 106<br>119   | 107<br>117   | 104<br>116   | 104<br>117   | 103<br>116   | 104<br>117   |
| 340                                                                               | B<br>B2                                                                           |                                                                                   |            | 110<br>120                                                                        | 110<br>115 | 109<br>121                                                                        | 109<br>117 | 106<br>119                                                                        | 107<br>117 | 106<br>118                                                                        | 106<br>117  | 104<br>116                                                                        | 104<br>115  | 100<br>113   | 101<br>112   | 97.7<br>110  | 98<br>111    | 97.1<br>110  | 98.2<br>111  |
| 350                                                                               | B<br>B2                                                                           |                                                                                   |            |                                                                                   |            |                                                                                   |            | 100<br>113                                                                        | 101<br>113 | 100<br>112                                                                        | 101<br>113  | 98.1<br>110                                                                       | 98.5<br>110 | 94.4<br>107  | 94.7<br>107  | 91.7<br>104  | 92<br>105    | 91.4<br>104  | 92.5<br>105  |
| 360                                                                               | B<br>B2                                                                           |                                                                                   |            |                                                                                   |            |                                                                                   |            |                                                                                   |            | 94.3<br>107                                                                       | 95.4<br>107 | 92.7<br>105                                                                       | 92.9<br>105 | 89.1<br>101  | 89.2<br>101  | 86.1<br>98.6 | 86.4<br>99   | 85.9<br>98.7 | 86.9<br>99.3 |
| 370                                                                               | B<br>B2                                                                           |                                                                                   |            |                                                                                   |            |                                                                                   |            |                                                                                   |            |                                                                                   |             |                                                                                   |             | 84.1<br>96   | 84.2<br>96.2 | 80.9<br>93.4 | 81.4<br>93.6 | 80.6<br>93.3 | 81.5<br>93.8 |
| 380                                                                               | B<br>B2                                                                           |                                                                                   |            |                                                                                   |            |                                                                                   |            |                                                                                   |            |                                                                                   |             |                                                                                   |             | 79.5<br>91.3 | 79.5<br>91.3 | 76.1<br>88.5 | 76.6<br>88.6 | 75.8<br>88.5 | 76.7<br>89   |
| 390                                                                               | B<br>B2                                                                           |                                                                                   |            |                                                                                   |            |                                                                                   |            |                                                                                   |            |                                                                                   |             |                                                                                   |             |              |              | 71.8<br>83.9 | 72<br>84.2   | 71.3<br>83.9 | 72.1<br>84.3 |

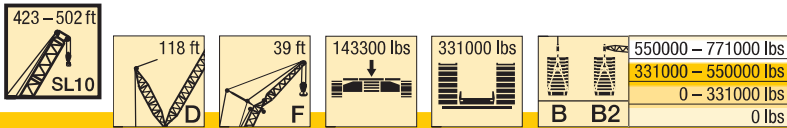
TAB 181337 / 181355

TAB 181337 / 181357



SL10DFB/B2

SL10 423 - 502

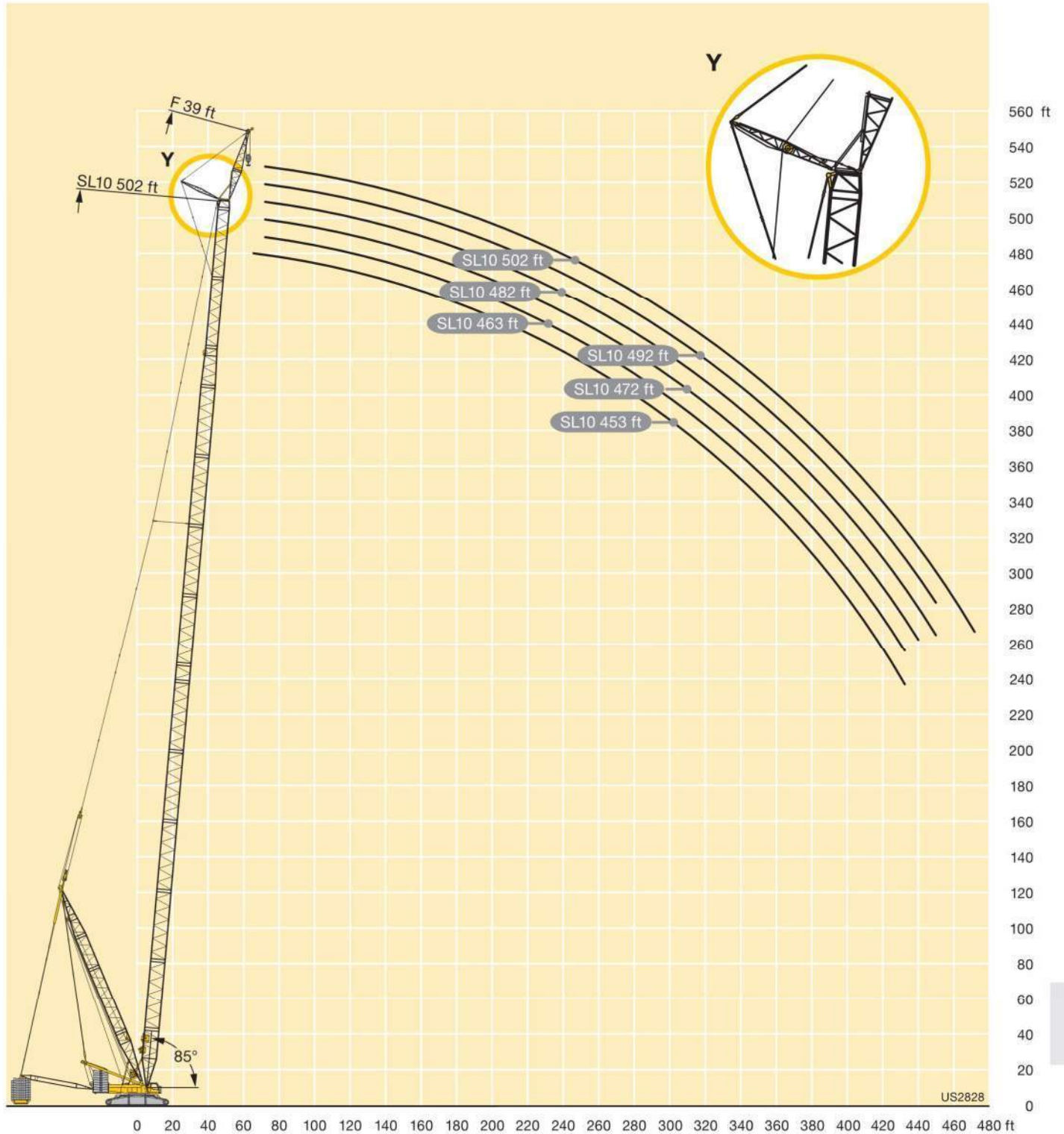


| ft  |         | SL10 423     |              | SL10 433     |              | SL10 443     |              | SL10 453     |              | SL10 463     |              | SL10 472     |              | SL10 482     |              | SL10 492     |              | SL10 502 |      |
|-----|---------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|----------|------|
|     |         | 11°          | 16°          | 11°          | 16°          | 11°          | 16°          | 11°          | 16°          | 11°          | 16°          | 11°          | 16°          | 11°          | 16°          | 11°          | 16°          | 11°      | 16°  |
| 250 | B<br>B2 | 149<br>159   | 145<br>153   | 147<br>162   | 143<br>155   | 139<br>149   | 135<br>143   | 133<br>141   | 128<br>135   | 132<br>144   | 129<br>138   | 125<br>133   | 121<br>127   | 118<br>124   | 114<br>120   | 111<br>115   | 108<br>111   | 115      | 113  |
| 260 | B<br>B2 | 146<br>155   | 143<br>150   | 142<br>159   | 139<br>152   | 135<br>146   | 132<br>140   | 130<br>138   | 126<br>132   | 128<br>141   | 126<br>135   | 122<br>131   | 119<br>126   | 115<br>122   | 112<br>118   | 108<br>113   | 105<br>109   | 113      | 110  |
| 270 | B<br>B2 | 141<br>150   | 139<br>146   | 137<br>155   | 136<br>149   | 131<br>143   | 130<br>137   | 127<br>135   | 124<br>130   | 124<br>138   | 122<br>133   | 118<br>128   | 116<br>123   | 112<br>120   | 110<br>116   | 106<br>110   | 103<br>107   | 111      | 108  |
| 280 | B<br>B2 | 134<br>145   | 134<br>141   | 131<br>149   | 131<br>145   | 127<br>139   | 126<br>134   | 124<br>132   | 121<br>127   | 120<br>135   | 119<br>131   | 115<br>126   | 114<br>121   | 109<br>117   | 108<br>113   | 104<br>108   | 101<br>105   | 109      | 107  |
| 290 | B<br>B2 | 127<br>138   | 127<br>136   | 124<br>142   | 125<br>138   | 121<br>133   | 121<br>129   | 120<br>128   | 119<br>124   | 116<br>132   | 115<br>128   | 112<br>123   | 111<br>119   | 106<br>115   | 106<br>111   | 101<br>106   | 99.1<br>103  | 107      | 105  |
| 300 | B<br>B2 | 120<br>132   | 121<br>131   | 118<br>134   | 118<br>132   | 115<br>127   | 115<br>124   | 115<br>124   | 113<br>120   | 111<br>127   | 111<br>124   | 107<br>119   | 108<br>116   | 103<br>112   | 104<br>109   | 99.1<br>104  | 97.2<br>101  | 104      | 103  |
| 310 | B<br>B2 | 113<br>126   | 114<br>125   | 112<br>127   | 112<br>125   | 108<br>121   | 109<br>119   | 109<br>119   | 108<br>117   | 106<br>121   | 106<br>119   | 103<br>115   | 103<br>112   | 99<br>108    | 99.8<br>106  | 96<br>101    | 94.8<br>98.2 | 102      | 101  |
| 320 | B<br>B2 | 106<br>119   | 107<br>120   | 105<br>120   | 106<br>119   | 102<br>115   | 103<br>114   | 104<br>115   | 103<br>113   | 100<br>116   | 101<br>114   | 97.8<br>110  | 98.2<br>108  | 94.2<br>104  | 95.2<br>103  | 92.3<br>98.5 | 91.4<br>95.9 | 99.1     | 98.2 |
| 330 | B<br>B2 | 99.7<br>113  | 101<br>114   | 98.8<br>112  | 99.5<br>113  | 96<br>109    | 96.4<br>109  | 98.4<br>110  | 98.2<br>109  | 95.3<br>110  | 95.6<br>109  | 92.9<br>106  | 93.4<br>104  | 89.4<br>100  | 90.4<br>99   | 88<br>95.6   | 87.4<br>93.5 | 95.4     | 94.9 |
| 340 | B<br>B2 | 94.2<br>108  | 95.7<br>109  | 93.3<br>107  | 93.8<br>107  | 90.1<br>104  | 90.3<br>104  | 93<br>106    | 93.1<br>106  | 90.2<br>105  | 90.5<br>104  | 88<br>101    | 88.6<br>100  | 84.7<br>96.3 | 85.6<br>95.5 | 83.7<br>92.7 | 83.3<br>91.1 | 91.6     | 91.4 |
| 350 | B<br>B2 | 88.7<br>102  | 90.1<br>103  | 87.9<br>101  | 88.4<br>101  | 84.9<br>98.3 | 85.2<br>98.5 | 87.9<br>101  | 88.1<br>101  | 85.2<br>99   | 85.4<br>99   | 83.2<br>96.9 | 83.7<br>96.4 | 79.9<br>92.3 | 80.8<br>91.9 | 79.5<br>89.9 | 79.3<br>88.7 | 87.9     | 88   |
| 360 | B<br>B2 | 83.2<br>96.3 | 84.6<br>97.4 | 82.6<br>95.6 | 83<br>95.8   | 79.7<br>93   | 80.1<br>93.2 | 82.8<br>95.7 | 83.1<br>96.2 | 80.3<br>93.8 | 80.5<br>94   | 78.4<br>92.1 | 78.9<br>92.1 | 75.2<br>88.2 | 76<br>88.3   | 75.2<br>87   | 75.2<br>86.3 | 84.2     | 84.6 |
| 370 | B<br>B2 | 77.8<br>90.7 | 79.2<br>91.9 | 77.3<br>90.1 | 77.6<br>90.3 | 74.5<br>87.7 | 75<br>87.9   | 77.8<br>90.5 | 78.2<br>91.1 | 75.5<br>88.7 | 75.8<br>88.9 | 73.7<br>87.2 | 74.3<br>87.5 | 70.6<br>83.9 | 71.3<br>84.4 | 70.9<br>83.8 | 71.2<br>83.6 | 80.4     | 81.2 |
| 380 | B<br>B2 | 73<br>85.6   | 74.1<br>86.8 | 72<br>84.6   | 72.2<br>84.9 | 69.3<br>82.4 | 70<br>82.6   | 72.8<br>85.4 | 73.2<br>86   | 70.6<br>83.6 | 71<br>83.8   | 69.1<br>82.2 | 69.6<br>82.6 | 66.1<br>79.1 | 66.8<br>79.7 | 66.7<br>79.9 | 67<br>80.2   | 76.5     | 77.8 |
| 390 | B<br>B2 | 68.5<br>80.8 | 69.3<br>82   | 67.4<br>79.8 | 67.7<br>80.1 | 64.6<br>77.3 | 65.2<br>77.6 | 67.7<br>80.3 | 68.3<br>80.9 | 65.8<br>78.5 | 66.3<br>78.7 | 64.5<br>77.2 | 65<br>77.7   | 61.6<br>74.3 | 62.3<br>74.9 | 62.4<br>75.3 | 62.7<br>75.6 | 72.1     | 73.4 |
| 400 | B<br>B2 | 64.3<br>76.2 | 65<br>77.3   | 63.1<br>75.2 | 63.4<br>75.6 | 60.3<br>72.6 | 60.6<br>72.8 | 63.3<br>75.5 | 63.8<br>76.1 | 61.1<br>73.6 | 61.6<br>73.7 | 59.8<br>72.2 | 60.4<br>72.8 | 57.1<br>69.6 | 57.8<br>70.1 | 58.1<br>70.7 | 58.4<br>71   | 67.7     | 68.9 |
| 410 | B<br>B2 |              |              | 59<br>70.8   | 59.2<br>71.3 | 56.3<br>68.1 | 56.4<br>68.2 | 59.3<br>71.1 | 59.5<br>71.6 | 56.8<br>68.9 | 57.2<br>69   | 55.4<br>67.4 | 55.9<br>68   | 52.6<br>64.8 | 53.3<br>65.4 | 53.8<br>66.1 | 54.1<br>66.4 | 63.2     | 64.4 |
| 420 | B<br>B2 |              |              |              |              |              |              | 55.4<br>66.8 | 55.5<br>67.2 | 53<br>64.7   | 53.1<br>64.9 | 51.4<br>63.1 | 51.7<br>63.5 | 48.3<br>60.2 | 48.8<br>60.6 | 49.5<br>61.4 | 49.8<br>61.8 | 58.8     | 60   |
| 430 | B<br>B2 |              |              |              |              |              |              | 51.7<br>63   | 51.7<br>63.3 | 49.3<br>60.8 | 49.3<br>60.9 | 47.6<br>59   | 47.8<br>59.3 | 44.7<br>56.4 | 44.9<br>56.7 | 45.5<br>57.2 | 45.8<br>57.5 | 54.3     | 55.5 |
| 440 | B<br>B2 |              |              |              |              |              |              |              |              | 45.6<br>57   | 44<br>55.3   | 44.1<br>55.4 | 41.1<br>52.7 | 41.2<br>52.8 | 41.8<br>53.3 | 42<br>53.6   |              | 50.3     | 51.4 |
| 450 | B<br>B2 |              |              |              |              |              |              |              |              |              |              |              |              | 37.6<br>49   | 37.6<br>49   | 38.2<br>49.5 | 38.4<br>49.9 | 46.6     | 47.5 |
| 460 | B<br>B2 |              |              |              |              |              |              |              |              |              |              |              |              |              |              |              | 35<br>46.2   | 43       | 43.7 |
| 470 | B<br>B2 |              |              |              |              |              |              |              |              |              |              |              |              |              |              |              | 31.6<br>42.5 | 39.4     | 40.3 |

TAB 181337 / 181357

**Lifting heights  
Hauteurs de levage**

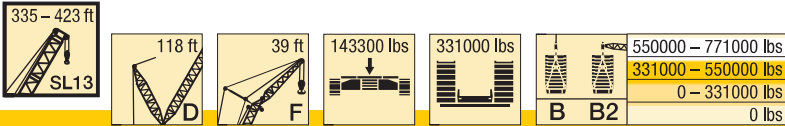
**SL10DFB/B2**





SL13DFB/B2

SL13 335 - 423



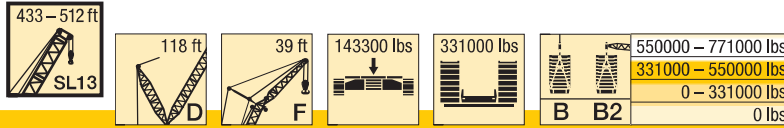
| ft  |         | SL13 335   |            | SL13 344   |            | SL13 354   |            | SL13 364     |            | SL13 374     |              | SL13 384     |             | SL13 394     |              | SL13 404     |              | SL13 413     |              | SL13 423     |              |
|-----|---------|------------|------------|------------|------------|------------|------------|--------------|------------|--------------|--------------|--------------|-------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
|     |         | 11°        | 16°        | 11°        | 16°        | 11°        | 16°        | 11°          | 16°        | 11°          | 16°          | 11°          | 16°         | 11°          | 16°          | 11°          | 16°          | 11°          | 16°          | 11°          | 16°          |
| 230 | B<br>B2 | 137<br>139 | 132<br>133 | 143<br>145 | 137<br>139 | 148<br>150 | 143<br>144 | 152<br>156   | 147<br>149 | 158<br>162   | 150<br>151   | 161<br>168   | 153<br>154  | 167<br>175   | 156<br>157   | 169<br>181   | 159<br>159   | 169<br>184   | 161<br>163   | 159<br>169   | 152<br>160   |
| 240 | B<br>B2 | 135<br>135 | 129<br>130 | 139<br>141 | 134<br>136 | 143<br>146 | 138<br>141 | 147<br>152   | 142<br>145 | 153<br>158   | 146<br>147   | 157<br>163   | 149<br>150  | 163<br>170   | 152<br>152   | 165<br>176   | 154<br>154   | 163<br>180   | 157<br>158   | 155<br>165   | 149<br>157   |
| 250 | B<br>B2 | 132<br>132 | 127<br>127 | 137<br>137 | 132<br>133 | 141<br>143 | 136<br>138 | 145<br>148   | 139<br>142 | 149<br>154   | 142<br>144   | 153<br>160   | 145<br>146  | 159<br>165   | 147<br>148   | 160<br>170   | 150<br>150   | 158<br>175   | 153<br>153   | 151<br>161   | 146<br>153   |
| 260 | B<br>B2 | 129<br>129 | 125<br>125 | 134<br>134 | 130<br>130 | 138<br>139 | 134<br>135 | 143<br>145   | 136<br>138 | 146<br>151   | 139<br>140   | 148<br>156   | 142<br>143  | 153<br>160   | 143<br>145   | 154<br>163   | 145<br>147   | 153<br>167   | 149<br>149   | 147<br>156   | 144<br>149   |
| 270 | B<br>B2 | 128<br>127 | 123<br>123 | 131<br>132 | 128<br>128 | 136<br>137 | 132<br>132 | 140<br>142   | 134<br>135 | 143<br>148   | 136<br>137   | 143<br>153   | 138<br>139  | 146<br>155   | 138<br>141   | 147<br>156   | 139<br>143   | 145<br>159   | 143<br>145   | 141<br>150   | 140<br>144   |
| 280 | B<br>B2 | 127<br>125 | 121<br>121 | 130<br>130 | 126<br>126 | 133<br>134 | 129<br>130 | 138<br>139   | 131<br>132 | 140<br>144   | 134<br>134   | 138<br>149   | 135<br>136  | 138<br>150   | 133<br>138   | 139<br>149   | 133<br>140   | 138<br>151   | 136<br>141   | 135<br>144   | 134<br>139   |
| 290 | B<br>B2 | 125<br>123 | 120<br>120 | 129<br>128 | 124<br>124 | 130<br>132 | 126<br>127 | 134<br>137   | 128<br>129 | 137<br>141   | 131<br>131   | 133<br>144   | 132<br>133  | 131<br>145   | 128<br>134   | 130<br>142   | 127<br>137   | 130<br>143   | 129<br>137   | 127<br>137   | 127<br>135   |
| 300 | B<br>B2 | 124<br>122 | 119<br>119 | 128<br>126 | 122<br>122 | 126<br>130 | 124<br>125 | 128<br>135   | 124<br>127 | 131<br>137   | 126<br>128   | 128<br>139   | 128<br>130  | 124<br>138   | 123<br>130   | 122<br>135   | 121<br>133   | 122<br>135   | 122<br>133   | 120<br>131   | 119<br>130   |
| 310 | B<br>B2 | 124<br>120 | 117<br>117 | 125<br>125 | 120<br>120 | 123<br>129 | 122<br>122 | 122<br>132   | 120<br>124 | 124<br>134   | 121<br>125   | 122<br>133   | 122<br>127  | 117<br>131   | 117<br>125   | 115<br>128   | 115<br>127   | 115<br>128   | 115<br>128   | 112<br>125   | 112<br>125   |
| 320 | B<br>B2 | 121<br>121 | 116<br>116 | 121<br>121 | 118<br>118 | 119<br>127 | 119<br>120 | 116<br>128   | 116<br>122 | 118<br>129   | 116<br>123   | 115<br>127   | 116<br>125  | 111<br>124   | 112<br>121   | 108<br>122   | 108<br>121   | 108<br>121   | 108<br>121   | 105<br>118   | 105<br>119   |
| 330 | B<br>B2 |            |            | 115<br>115 | 113<br>114 | 111<br>123 | 111<br>119 | 111<br>123   | 111<br>120 | 109<br>121   | 109<br>121   | 105<br>117   | 105<br>116  | 102<br>115   | 102<br>114   | 102<br>115   | 102<br>115   | 102<br>115   | 98.5<br>112  | 98.7<br>113  |              |
| 340 | B<br>B2 |            |            | 109<br>109 | 110<br>110 | 107<br>107 | 108<br>108 | 105<br>117   | 106<br>116 | 105<br>117   | 105<br>117   | 103<br>115   | 103<br>115  | 98.6<br>111  | 99.2<br>111  | 96.1<br>108  | 96.3<br>108  | 95.8<br>108  | 96.2<br>109  | 92.9<br>106  | 93.2<br>106  |
| 350 | B<br>B2 |            |            |            |            |            |            | 99.7<br>99.7 | 100<br>100 | 99.5<br>99.5 | 99.8<br>99.8 | 97.1<br>109  | 97.3<br>109 | 92.8<br>105  | 93.3<br>105  | 90<br>102    | 90.3<br>103  | 90<br>102    | 90.4<br>103  | 87.4<br>99.7 | 87.7<br>100  |
| 360 | B<br>B2 |            |            |            |            |            |            |              |            | 94.3<br>94.3 | 94.6<br>94.6 | 91.8<br>91.8 | 92<br>92    | 87.4<br>87.4 | 87.8<br>99.6 | 84.4<br>96.8 | 84.7<br>97.3 | 84.3<br>96.6 | 84.8<br>97   | 81.8<br>94.1 | 82.1<br>94.3 |
| 370 | B<br>B2 |            |            |            |            |            |            |              |            |              |              |              |             | 82.5<br>82.5 | 82.7<br>82.7 | 79.3<br>79.3 | 79.6<br>79.6 | 79<br>91.3   | 79.4<br>91.8 | 76.5<br>89   | 76.8<br>89.2 |
| 380 | B<br>B2 |            |            |            |            |            |            |              |            |              |              |              |             | 77.7<br>77.7 | 77.8<br>77.8 | 74.6<br>74.6 | 74.8<br>74.8 | 74.2<br>86.5 | 74.6<br>87   | 71.4<br>84   | 71.8<br>84.3 |
| 390 | B<br>B2 |            |            |            |            |            |            |              |            |              |              |              |             |              |              | 70.1<br>70.1 | 70.4<br>70.4 | 69.7<br>69.7 | 70.1<br>70.1 | 66.8<br>66.8 | 67.2<br>67.2 |
| 400 | B<br>B2 |            |            |            |            |            |            |              |            |              |              |              |             |              |              |              |              |              |              | 62.6<br>62.6 | 63<br>63     |

TAB 181508 / 181596



SL13DFB/B2

SL13 433 - 512



| ft  |         | SL13 433     |              | SL13 443     |              | SL13 453     |              | SL13 463     |              | SL13 472     |              | SL13 482     |              | SL13 492     |              | SL13 502*    |              | SL13 512*    |              |
|-----|---------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
|     |         | 11°          | 16°          | 11°          | 16°          | 11°          | 16°          | 11°          | 16°          | 11°          | 16°          | 11°          | 16°          | 11°          | 16°          | 11°          | 16°          | 11°          | 16°          |
| 250 | B<br>B2 | 150<br>165   | 147<br>158   | 142<br>152   | 138<br>145   | 136<br>144   | 131<br>137   | 134<br>145   | 130<br>139   | 127<br>135   | 124<br>131   | 121<br>127   | 117<br>122   | 113<br>117   | 110<br>113   | 113<br>117   | 110<br>113   | 106<br>109   | 104<br>106   |
| 260 | B<br>B2 | 145<br>161   | 143<br>154   | 138<br>148   | 136<br>142   | 133<br>140   | 128<br>135   | 130<br>142   | 127<br>137   | 124<br>132   | 122<br>128   | 118<br>124   | 115<br>120   | 110<br>115   | 106<br>111   | 109<br>115   | 106<br>111   | 102<br>107   | 100<br>104   |
| 270 | B<br>B2 | 140<br>154   | 140<br>149   | 134<br>144   | 133<br>138   | 130<br>137   | 126<br>131   | 126<br>139   | 124<br>134   | 121<br>129   | 119<br>126   | 115<br>122   | 113<br>117   | 108<br>112   | 104<br>108   | 106<br>113   | 104<br>109   | 99.3<br>105  | 97.6<br>102  |
| 280 | B<br>B2 | 134<br>147   | 134<br>142   | 130<br>138   | 129<br>133   | 127<br>133   | 123<br>128   | 122<br>135   | 122<br>130   | 118<br>126   | 117<br>123   | 113<br>119   | 111<br>115   | 106<br>110   | 103<br>106   | 104<br>110   | 102<br>107   | 97<br>102    | 95.6<br>99.9 |
| 290 | B<br>B2 | 126<br>139   | 127<br>136   | 123<br>132   | 124<br>129   | 123<br>129   | 120<br>125   | 118<br>130   | 118<br>126   | 114<br>122   | 114<br>120   | 110<br>116   | 109<br>112   | 104<br>107   | 101<br>104   | 101<br>108   | 99.8<br>105  | 94.8<br>99.6 | 93.5<br>97.9 |
| 300 | B<br>B2 | 119<br>132   | 120<br>130   | 116<br>126   | 117<br>124   | 117<br>124   | 114<br>122   | 112<br>124   | 113<br>122   | 110<br>118   | 111<br>116   | 107<br>112   | 107<br>109   | 102<br>105   | 98.6<br>102  | 98<br>105    | 97.6<br>103  | 92.6<br>97.2 | 91.4<br>95.9 |
| 310 | B<br>B2 | 112<br>124   | 113<br>124   | 109<br>121   | 110<br>119   | 110<br>120   | 109<br>118   | 106<br>119   | 107<br>117   | 104<br>114   | 106<br>113   | 102<br>109   | 102<br>106   | 98.2<br>102  | 95.9<br>99.9 | 94.9<br>102  | 95.4<br>100  | 90.4<br>94.6 | 89.3<br>93.7 |
| 320 | B<br>B2 | 104<br>117   | 105<br>118   | 102<br>115   | 103<br>114   | 104<br>116   | 103<br>115   | 100<br>113   | 101<br>112   | 98.7<br>110  | 99.9<br>109  | 96.4<br>105  | 96.8<br>103  | 93.9<br>100  | 92.2<br>98   | 90.9<br>99   | 91.9<br>97   | 87.3<br>92   | 86.6<br>91.3 |
| 330 | B<br>B2 | 97.4<br>111  | 98.4<br>112  | 95.1<br>109  | 96<br>109    | 97.9<br>111  | 97.5<br>111  | 94.5<br>108  | 95.3<br>108  | 92.9<br>105  | 94.2<br>106  | 90.9<br>101  | 91.3<br>100  | 89.2<br>97.7 | 87.8<br>96.1 | 86.1<br>95.7 | 87<br>94.2   | 83.3<br>89.5 | 83.1<br>89   |
| 340 | B<br>B2 | 91.8<br>105  | 92.4<br>106  | 88.7<br>103  | 89.4<br>103  | 91.6<br>106  | 91.8<br>106  | 88.5<br>102  | 89.4<br>103  | 87.2<br>101  | 88.5<br>102  | 85.3<br>97.7 | 85.8<br>97.3 | 84.4<br>95.3 | 83.4<br>94.2 | 81.3<br>92.4 | 82.1<br>91.3 | 78.7<br>87   | 78.6<br>86.6 |
| 350 | B<br>B2 | 86.5<br>99.3 | 87<br>99.9   | 83.4<br>97   | 84<br>97.3   | 86.3<br>100  | 86.6<br>100  | 83<br>96.8   | 83.6<br>97.5 | 81.4<br>95.7 | 82.9<br>97   | 79.8<br>93.3 | 80.2<br>93.5 | 79.6<br>92.9 | 78.9<br>92.3 | 76.5<br>89.1 | 77.2<br>88.5 | 74.1<br>84.5 | 74.2<br>84.2 |
| 360 | B<br>B2 | 81.2<br>93.5 | 81.6<br>94.1 | 78.3<br>91.1 | 78.8<br>91.4 | 81.3<br>94.4 | 81.6<br>94.7 | 77.9<br>91.3 | 78.4<br>92   | 76.3<br>90.3 | 77.6<br>91.7 | 74.5<br>88.3 | 74.8<br>88.8 | 74.8<br>89   | 74.5<br>88.9 | 71.7<br>85.3 | 72.3<br>85.2 | 69.5<br>82   | 69.7<br>81.8 |
| 370 | B<br>B2 | 75.8<br>88.1 | 76.2<br>88.6 | 73.1<br>85.4 | 73.5<br>85.8 | 76.3<br>88.9 | 76.7<br>89.1 | 73.1<br>85.8 | 73.5<br>86.6 | 71.5<br>84.9 | 72.7<br>86.3 | 69.4<br>83.1 | 69.6<br>83.6 | 70.1<br>83.9 | 70.1<br>84.3 | 66.9<br>80.9 | 67.4<br>81.3 | 64.9<br>78.9 | 65.3<br>78.9 |
| 380 | B<br>B2 | 70.6<br>83.1 | 70.8<br>83.3 | 68<br>80.3   | 68.3<br>80.8 | 71.3<br>83.6 | 71.8<br>83.7 | 68.3<br>80.3 | 68.7<br>81.2 | 66.9<br>79.5 | 68<br>80.9   | 64.9<br>77.9 | 65.2<br>78.4 | 65.6<br>78.8 | 65.7<br>79.2 | 62.2<br>76   | 62.6<br>76.4 | 60.3<br>74.2 | 60.8<br>74.5 |
| 390 | B<br>B2 | 66<br>78.3   | 66.2<br>78.5 | 63.3<br>75.4 | 63.4<br>75.9 | 66.3<br>78.8 | 66.9<br>78.9 | 63.5<br>75.5 | 63.8<br>76.2 | 62.3<br>74.3 | 63.4<br>75.6 | 60.3<br>72.7 | 60.7<br>73.1 | 61.3<br>73.8 | 61.3<br>74.2 | 57.9<br>71.1 | 58.3<br>71.5 | 56.1<br>69.5 | 56.5<br>69.8 |
| 400 | B<br>B2 | 61.6         | 61.8         | 58.9<br>70.8 | 59<br>71.2   | 61.8<br>74.2 | 62.4<br>74.4 | 58.9<br>70.9 | 59.1<br>71.5 | 57.7<br>69.6 | 58.7<br>70.7 | 55.8<br>67.8 | 56.2<br>68.2 | 56.9<br>68.7 | 57<br>69.1   | 53.6<br>66.1 | 54<br>66.6   | 51.9<br>64.7 | 52.3<br>65.1 |
| 410 | B<br>B2 | 57.4         | 57.6         | 54.7         | 54.8         | 57.8         | 58.1         | 54.6<br>66.5 | 54.8<br>67   | 53.3<br>65.2 | 54.3<br>66.1 | 51.3<br>63.2 | 51.7<br>63.6 | 52.5<br>63.9 | 52.7<br>64.3 | 49.3<br>61.3 | 49.7<br>61.8 | 47.8<br>60   | 48.2<br>60.4 |
| 420 | B<br>B2 |              |              |              |              | 53.8         | 54.1         | 50.5         | 51           | 49.2         | 50.2         | 46.8<br>58.7 | 47.3<br>59.2 | 48.2<br>59.7 | 48.4<br>60   | 45.1<br>56.8 | 45.5<br>57.1 | 43.7<br>55.3 | 44.1<br>55.7 |
| 430 | B<br>B2 |              |              |              |              | 50.1         | 50.3         | 46.8         | 47.2         | 45.3         | 46.4         | 43.2<br>54.7 | 43.5<br>55.2 | 44.1<br>55.7 | 44.3<br>56   | 40.8<br>52.6 | 41.2<br>52.9 | 39.6<br>51.1 | 39.9<br>51.5 |
| 440 | B<br>B2 |              |              |              |              |              |              |              | 43.5         | 41.7         | 42.7         | 39.6         | 39.8         | 40.2<br>51.8 | 40.4<br>52   | 37<br>48.7   | 37.3<br>48.9 | 35.6<br>47   | 35.9<br>47.5 |
| 450 | B<br>B2 |              |              |              |              |              |              |              |              |              |              | 36           | 36.3         | 36.5         | 36.8         | 33.4         | 33.8         | 31.8<br>43.2 | 32<br>43.6   |
| 460 | B<br>B2 |              |              |              |              |              |              |              |              |              |              |              |              |              | 33.4         | 29.8         | 30.2         | 28.1         | 28.5         |
| 470 | B<br>B2 |              |              |              |              |              |              |              |              |              |              |              |              |              | 30.2         | 26.5         | 26.7         | 24.9         | 25.2         |
| 480 | B<br>B2 |              |              |              |              |              |              |              |              |              |              |              |              |              |              |              |              | 22           | 22.2         |

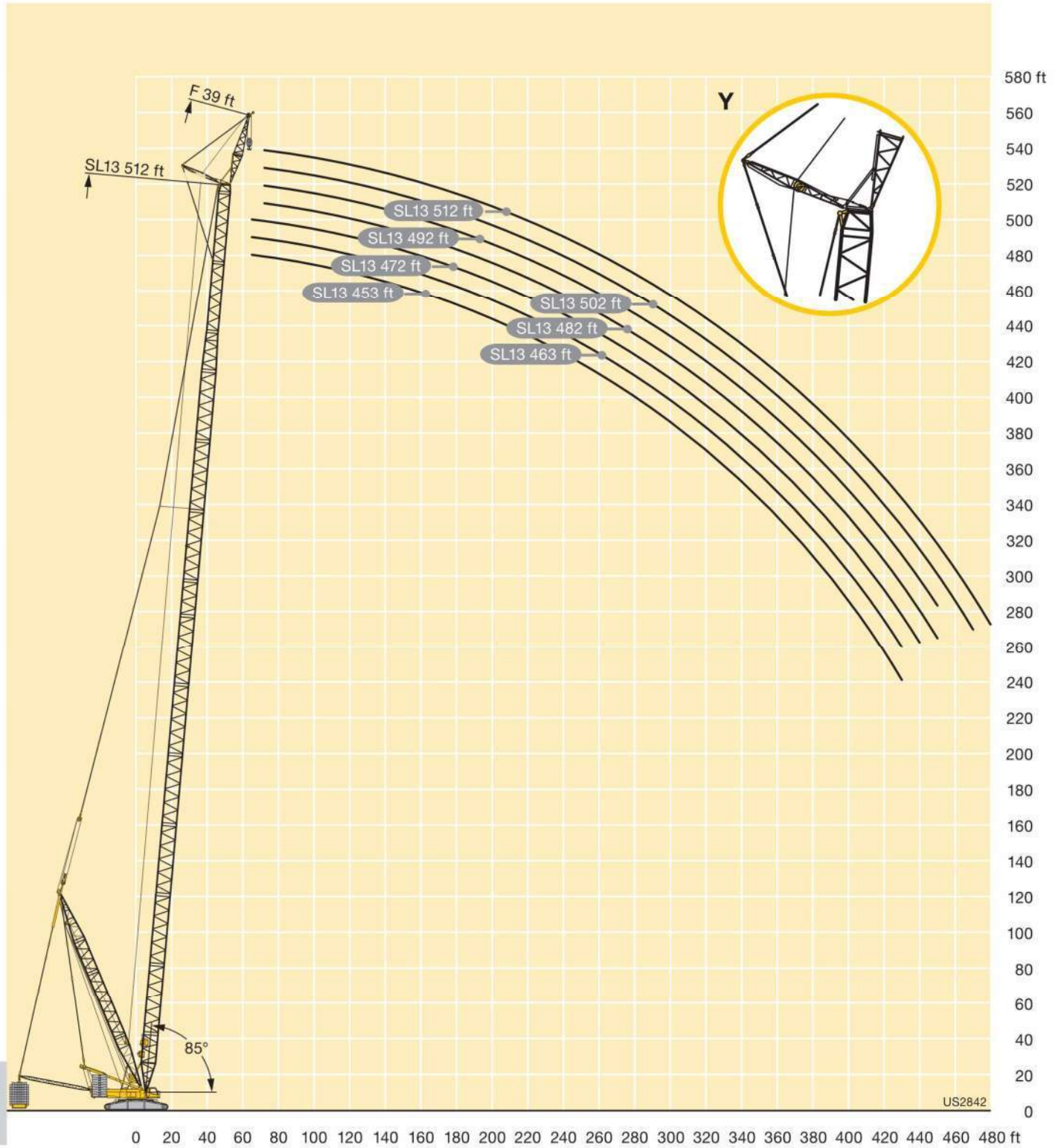
\* raisable only with B2 - seulement relevable avec B2

TAB 181508 / 181596

P

**Lifting heights  
Hauteurs de levage**

**SL13DFB/B2**

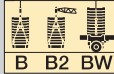


Description of symbols  
Explication des symboles

General symbols  
Symboles généraux

|                                                                                     |                                                               |                                                                                     |                                                              |
|-------------------------------------------------------------------------------------|---------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------|
|    | Hoist gear<br>Treuil de levage                                |    | Page<br>Page                                                 |
|    | Slewing speeds<br>Vitesses d'orientation                      |    | Wind power applications<br>Applications de centrale éolienne |
|    | Driving speed<br>Vitesse de translation                       |    | Central ballast<br>Contrepoids central                       |
|  | Hookblock / Capacity<br>Moufle à crochet / Capacité de charge |  | Counterweight<br>Contrepoids                                 |
|  | Radius<br>Portée                                              |                                                                                     |                                                              |

Crane specific symbols  
Symboles spécifiques à la grue

|                                                                                     |                                        |                                                                                     |                                                                                                     |
|-------------------------------------------------------------------------------------|----------------------------------------|-------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------|
|  | Main boom S<br>Flèche principale S     |  | Lattice type luffing fly jib W<br>Fléchette treillis à volée variable W                             |
|  | Main boom HS<br>Flèche principale HS   |  | Heavy duty jib WV<br>Fléchette pour charge lourde WV                                                |
|  | Main boom SL<br>Flèche principale SL   |  | Fixed lattice jib F<br>Fléchette à treillis fixe F                                                  |
|  | Main boom HSL<br>Flèche principale HSL |  | Counterweight frame B/B2/Counterweight trailer BW<br>Palette de lest B/B2/Remorque à contrepoids BW |
|  | Derrick system D<br>Système derrick D  |                                                                                     |                                                                                                     |

**Remarks referring to load charts**

1. The lifting capacities do not exceed 75 % of the tipping load according to ASME B 30.5.  
The crane's structural steelwork is in accordance with EN 13000 and ASME B 30.5.
2. For the calculation of the load charts at least a wind speed of 29 ft/s (9 m/s, 20.1 miles/hour) and regarding the load a sail area of 1 m<sup>2</sup> per ton load and a wind resistance coefficient of 1.2 on the load have been taken into account. For lifting of loads with large sail areas and/or high wind resistance coefficients the maximum wind speed as stated in the load charts has to be reduced.
3. Lifting capacities are given in kips.
4. The weight of the hook blocks and hooks is part of the load and therefore it must be deducted from the lifting capacities.
5. The working radii are measured from the slewing centreline.
6. The subsoil must be even and of good bearing capacity.
7. Subject to modification of lifting capacities.
8. The data of this brochure serves only for general information. All information is provided without warranty. Instructions for the correct commissioning of the crane please take from the operation manual and the load chart book.

**Remarques relatives aux tableaux des charges**

1. La capacité de charge ne doit pas dépasser 75 % de la charge de basculement conformément à ASME B 30.5.  
La structure métallique de la grue est conforme à EN 13000 et ASME B 30.5.
2. Une vitesse de vent de 29 ft/s (9 m/s, 20.1 miles/hour) minimum, une surface de prise au vent de 1 m<sup>2</sup> par tonne ainsi qu'un coefficient de résistance au vent de la charge 1,2 sont pris en compte pour le calcul des tableaux de charge. Lorsque des charges ayant une surface de prise au vent et/ou un coefficient de résistance au vent plus élevé(e)s sont levées, la vitesse de vent maximale indiquée dans les tableaux de charge doit être réduite.
3. Les charges sont indiquées en kips.
4. Le poids du crochet de levage resp. de la moufle à crochet est une partie de la charge et doit donc être déduit de la capacité de charge.
5. Les portées sont prises à partir de l'axe de rotation de la partie tournante.
6. Le sol doit être plat et résistant.
7. Charges données sous réserve de modification.
8. Les données de cette brochure sont données à titre informatif. Ces renseignements sont sans garantie. Les consignes relatives à la bonne mise en service de la grue sont disponibles dans le manuel d'utilisation et le manuel de tableaux de charge.

Subject to modification / Sous réserve de modifications

Printed in Germany (1)

TD 181.01.US04.2015

**Liebherr-Werk Ebingen GmbH**  
Postfach 1361, 89582 Ebingen, Germany  
☎ +49 73 91 5 02-0, Fax +49 73 91 5 02-33 99  
www.liebherr.com, E-mail: info.lwe@liebherr.com