

SERIAL NUMBER: \_\_\_\_\_

# CRANE RATING MANUAL

## 348 HYLAB 5

LATTICE BOOM CRAWLER CRANE

- 80" X 95" HEAVY DUTY TUBE BOOM  
WITH 15' PEAK SECTION
- 80" X 95" AND 68" X 80" LONG RANGE BOOM  
WITH 30' PEAK SECTION
- BAR PENDANTS
- 19.2' AND 22' GAUGE
- 39" X 48" TUBULAR JIB

For Replacement, Order Part Number: L9P0048  
(120706)

# Link-Belt®

CONSTRUCTION EQUIPMENT

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**WARNING**

**READ AND UNDERSTAND THE OPERATOR'S AND SAFETY MANUALS AND THE FOLLOWING INSTRUCTIONS AND CHART VALUES BEFORE OPERATING THE CRANE. OPERATION WHICH DOES NOT FOLLOW THESE INSTRUCTIONS MAY RESULT IN AN ACCIDENT.**

**Operating Instructions****General:**

1. Rated lifting capacities in pounds as shown on lift charts pertain to this crane as originally manufactured and normally equipped by Link-Belt Construction Equipment Company (LBCE). Modifications to the crane or use of optional equipment other than that specified can result in a reduction of capacity.
2. Construction equipment can be dangerous if improperly operated or maintained. Operation and maintenance of this crane must be in compliance with the information in the Operator's, Parts, and Safety Manuals supplied with this crane. If these manuals are missing, order replacements through the distributor.
3. The operator and other personnel associated with this crane shall read and fully understand the latest applicable American National Standards Institute (ANSI) safety standards for cranes.
4. All capacities listed in this book are in compliance with ASME/ANSI B30.5 at date of manufacture.
3. For recommended reeving, parts of line, wire rope type, and wire rope inspection, see Wire Rope Capacity Chart, Operator's Manual, and Parts Manual. Rated lifting capacities are based on correct reeving. Deduction must be made for excessive reeving. Any reeving over minimum required (see Wire Rope Capacity Chart) is considered excessive and must be accounted for when making lifts. Use Working Range Diagram to estimate the extra feet of rope. See Wire Rope Capacity Chart for the weight to deduct for each extra foot of wire rope before attempting to lift a load.
4. Rated lifting capacities in this Crane Rating Manual are based on freely suspended loads and make no allowances for such factors as the effect of ground conditions and operating speeds. The operator shall therefore reduce load ratings in order to take these conditions into account.
5. Rated lifting capacities do not account for the effects of wind on a suspended load or boom. Lifting capacities should be considered acceptable for wind speeds up to 20 mph and appropriately reduced for wind speeds greater than 20 mph. (See General Wind Restrictions Guide.)

**Lift Crane Operation:**

1. Capacities shown are in pounds and are not more than 75% of the tipping loads with the crane standing level on firm supporting surface. A deduction must be made from these capacities for weight of hook block, hook ball, sling, grapple, etc. When using main hook while jib or 5' tip extension is attached, reduce capacities by values shown in "Capacity Deductions For Lifting Off Main Boom Hook With Jib or Tip Extension Installed". When lifting loads with luffing jib bridle guide rails installed on boom extension(s), reduce capacities by values shown in "Capacity Deductions For Lifting Loads With Luffing Jib Bridle Guide Rails Installed On Boom Extensions". See Operator's Manual for all limitations when raising or lowering attachment.
2. The crane capacities in the shaded areas are based on structural strength. The crane capacities in the non-shaded areas are based on stability.
6. The capacities listed in this Crane Rating Manual are for the crane equipped with heavy duty and long range peak sections.
7. The least stable rated condition is over the side.
8. Booms must be erected and lowered over the end for maximum stability. See Lutoff Capabilities before erecting or lowering boom.
9. Do not operate at radii and boom lengths where the Crane Rating Manual lists no capacity. Do not use longer booms or jibs than those listed in this Crane Rating Manual. Any of the above can cause a tipping condition, or boom and jib failure.
10. These capacities apply only to the crane as originally manufactured and normally equipped by Link-Belt Construction Equipment Company.
11. Capacities above 75° boom angles require optional, long length wire rope. Consult factory.

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**For Over End Blocked Capacities Only**

1. These capacities can be lifted over either end with the crane standing level on a firm supporting surface with adequate blocking placed under the side frame sprockets/idlers, to prevent rocking.
2. Side frames can be either extended or retracted.
3. Do not travel with “Over End Blocked Capacity” loads.

**Traveling With A Load:**

1. All 360° Rotation Capacities listed in this Crane Rating Manual are pick and carry capacities.
2. The boom must be pointing straight over one end of the crawler lower. If the load was lifted over the side, swing the load over the end and/or if the load was lifted at a long radius and the load is at or near capacity for that radius, boom up to obtain a greater lifting capacity before beginning travel.
3. Engage the travel swing lock and apply swing brake.
4. Travel slowly and cautiously on a firm and level supporting surface.

**Definitions:**

1. Load Radius: Horizontal distance from a projection of the axis of rotation to the supporting surface, before loading, to the center of the vertical hoist line or tackle with load applied.
2. Boom Angle: The angle between the centerline of the boom base section and horizontal with freely suspended load at the rated radius.
3. Working Area: Area measured in a circular arc about the centerline of rotation as shown on the Working Areas Diagram.
4. Freely Suspended Load: Load hanging free with no direct external force applied except by the hoist line.
5. Side Load: Horizontal side force applied to the lifted load either on the ground or in the air.

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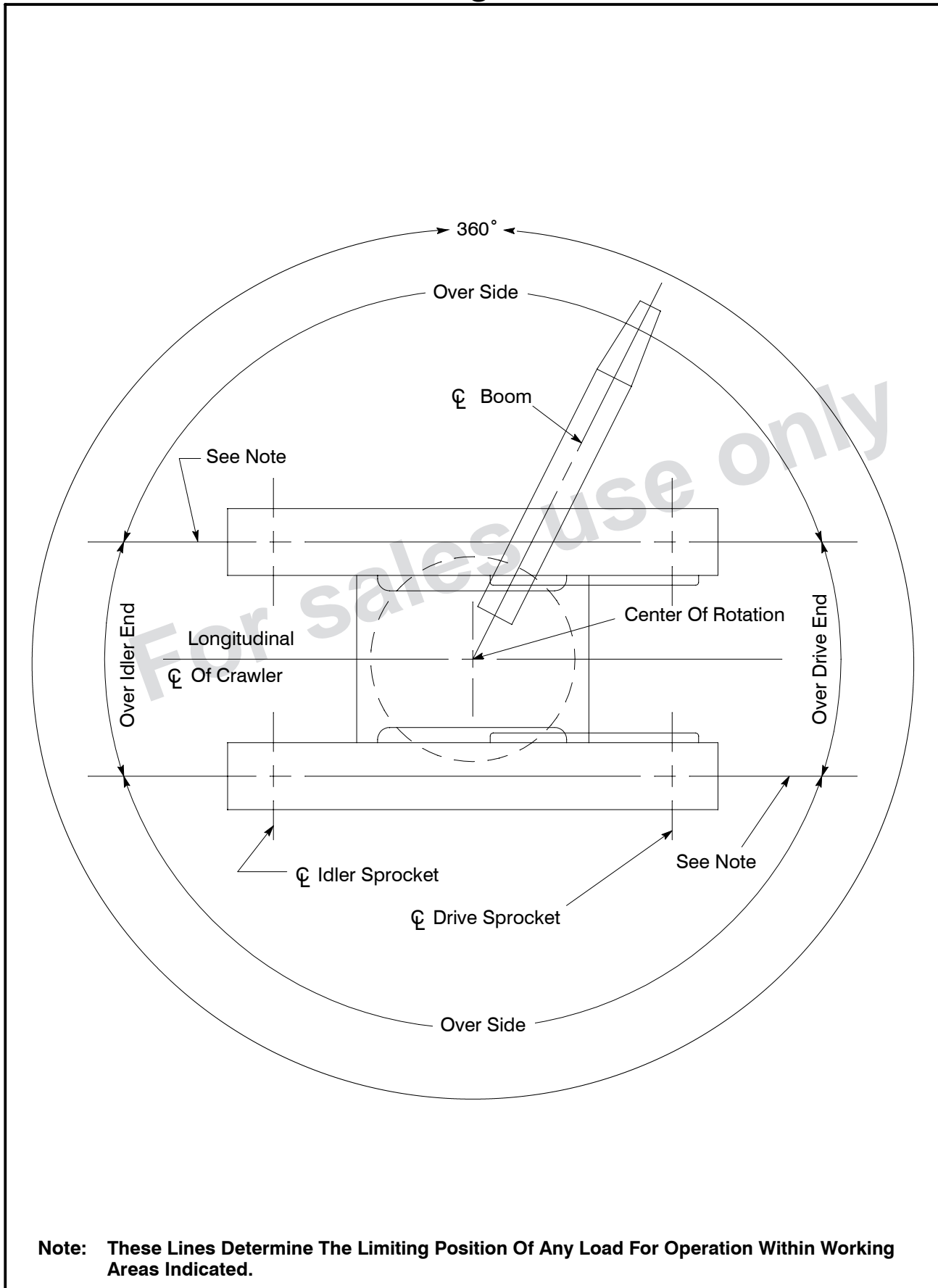
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## Wire Rope Capacity Chart

Parts of Line	28mm (1.10")				26mm (1.02")
	Type "GC" (See Note 3)	Type "EC"	Type "LB"	Type "RB"	Type "LB"
1	47,600	43,700	39,300	27,500	36,900
2	95,200	87,400	78,600	55,000	73,800
3	142,800	131,100	117,900	82,500	110,700
4	190,400	174,800	157,200	110,000	147,600
5	238,000	218,500	196,500	137,500	184,500
6	285,600	262,200	235,800	165,000	221,400
7	333,200	305,900	275,100	192,500	258,300
8	380,800	349,600	314,400	220,000	295,200
9	428,400	393,300	353,700	247,500	332,100
10	476,000	437,000	393,000	275,000	369,000
11	523,600	480,700	432,300	302,500	405,900
12	571,200	524,400	471,600	330,000	442,800
13	618,800	568,100	510,900	357,500	479,700
14	666,400	611,800	550,200	385,000	516,600
Rope Wt./Length [lb/ft]	2.60	3.02	2.43	2.68	2.10
LBCE Type	Description		Description		
GC	4 Strand, Compacted Strand, Swaged, Preformed, Regular Lay				
EC	6 Strand, Compacted Strand, Swaged, Preformed, I.W.R.C., Right Lay, Regular Lay				
LB	6 Strand, Compacted Strand, Seale or Warrington Seale, I.W.R.C., Preformed, Right Lay, Regular Lay				
RB	18 X 19 Rotation Resistant Compacted Strand – High Strength – Preformed, Right Regular Lay				
Notes:					
1. Capacities shown are in pounds and working loads must not exceed the ratings on the capacity charts in this Crane Rating Manual. 2. Study Operator's Manual for wire rope inspection procedures and single part of line applications. 3. Due to the high single line pull allowable when using type "GC" wire rope, it is recommended that the winch available line pull be used to calculate the required parts of line to make the lift.  Using the 8th layer line pull to lift from Heavy Duty or Long Range boom: (Load (lb)/32,908=Parts of line) Using the 5th layer line pull to lift from Jib: (Load (lb)/39,585=Parts of line)  If the above formula(s) is(are) not used to calculate parts of line for type "GC" wire rope, the possibility exists that the wire rope single line pull will over power the winch available line pull, causing the winch to stall when working above the second layer of rope on the winch.					

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## Working Areas



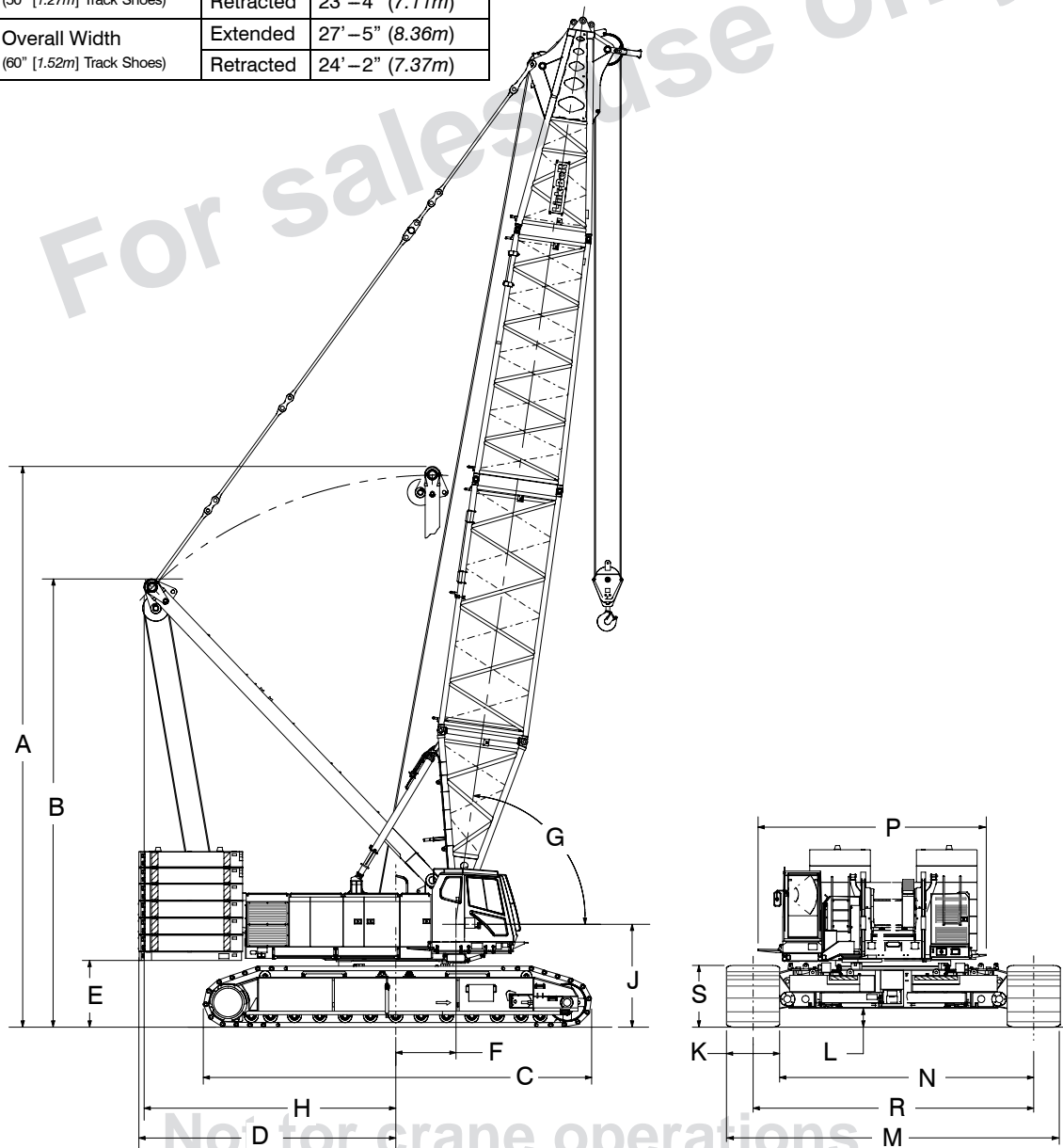
**Note:** These Lines Determine The Limiting Position Of Any Load For Operation Within Working Areas Indicated.

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## General Dimensions – Heavy Duty Boom

A	Live Mast Height (Minimum Boom Angle)	44'–3.0" (13.49m)	
B	Live Mast Height (Maximum Boom Angle)	35'–4.2" (10.77m)	
C	Overall Length (Lower)	30'–8.0" (9.35m)	
D	Tail Swing (Upper Counterweight)	20'–6.0" (6.25m)	
E	Ground Clearance (Upper Counterweight)	5'–3.4" (1.61m)	
F	Centerline Of Rotation To Centerline Of Boom Foot	57.1" (1.45m)	
G	Boom Angle (Maximum)	83°	
H	Live Mast Tail Swing	19'–10.4" (6.06m)	
J	Boom Foot Pin Height	8'–1.4" (2.47m)	
K	Track Shoe Width	50" (1.27m)	
		60" (1.52m)	
L	Ground Clearance (Frame)	1'–5.4" (0.44m)	
M	Overall Width (50" [1.27m] Track Shoes)	Extended	26'–7.0" (8.10m)
		Retracted	23'–4" (7.11m)
	Overall Width (60" [1.52m] Track Shoes)	Extended	27'–5" (8.36m)
		Retracted	24'–2" (7.37m)

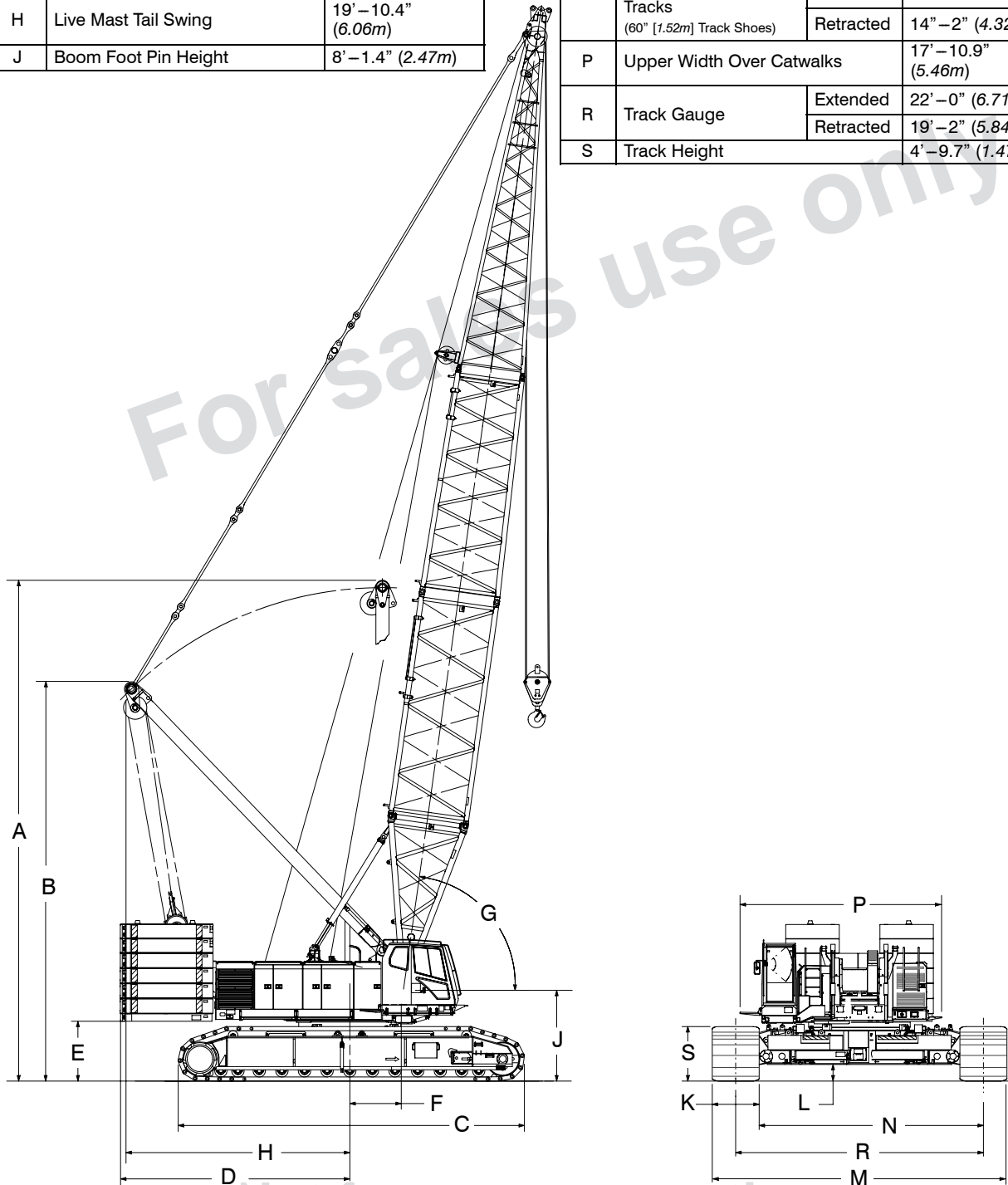
N	Distance Between Tracks (50" [1.27m] Track Shoes)	Extended	17'–10.0" (5.44m)
		Retracted	15'–0" (4.57m)
	Distance Between Tracks (60" [1.52m] Track Shoes)	Extended	17'–0" (5.18m)
		Retracted	14'–2" (4.32m)
P	Upper Width Over Catwalks	17'–10.9" (5.46m)	
R	Track Gauge	Extended	22'–0" (6.71m)
		Retracted	19'–2" (5.84m)
S	Track Height	4'–9.7" (1.47m)	



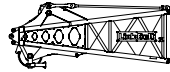
## General Dimensions – Long Range Boom

A	Live Mast Height (Minimum Boom Angle)	44'–3.0" (13.49m)
B	Live Mast Height (Maximum Boom Angle)	35'–4.2" (10.77m)
C	Overall Length (Lower)	30'–8.0" (9.35m)
D	Tail Swing (Upper Counterweight)	20'–6.0" (6.25m)
E	Ground Clearance (Upper Counterweight)	5'–3.4" (1.61m)
F	Centerline Of Rotation To Centerline Of Boom Foot	57.1" (1.45m)
G	Boom Angle (Maximum)	82°
H	Live Mast Tail Swing	19'–10.4" (6.06m)
J	Boom Foot Pin Height	8'–1.4" (2.47m)

K	Track Shoe Width		50" (1.27m)
			60" (1.52m)
L	Ground Clearance (Frame)		1'–5.4" (0.44m)
M	Overall Width (50" [1.27m] Track Shoes)	Extended	26'–7.0" (8.10m)
		Retracted	23'–4" (7.11m)
	Overall Width (60" [1.52m] Track Shoes)	Extended	27'–5" (8.36m)
		Retracted	24'–2" (7.37m)
N	Distance Between Tracks (50" [1.27m] Track Shoes)	Extended	17'–10.0" (5.44m)
		Retracted	15'–0" (4.57m)
	Distance Between Tracks (60" [1.52m] Track Shoes)	Extended	17'–0" (5.18m)
		Retracted	14'–2" (4.32m)
P	Upper Width Over Catwalks		17'–10.9" (5.46m)
R	Track Gauge	Extended	22'–0" (6.71m)
		Retracted	19'–2" (5.84m)
S	Track Height		4'–9.7" (1.47m)



## Liftoff Capabilities – Heavy Duty Boom



Counterweight (Side Frames)	Over End	
	Maximum Boom (ft)	Maximum Boom + Jib (ft)
A + A (Retracted)	180	N/A
A + A (Extended)	210	N/A
AB + A (Retracted)	240	N/A
AB + A (Extended)	250	N/A
ABC + A (Retracted)	300 See Notes 3 & 4	N/A
ABC + A (Extended)	300 See Notes 3 & 4	240 + 140 See Notes 3 & 4
Counterweight (Side Frames)	Over Side	
	Maximum Boom (ft)	Maximum Boom + Jib (ft)
A + A (Retracted)	180	N/A
A + A (Extended)	210	N/A
AB + A (Retracted)	240	N/A
AB + A (Extended)	250	N/A
ABC + A (Retracted)	260	N/A
ABC + A (Extended)	270	220 + 140

**Notes:**

1. For maximum stability, booms must be erected or lowered over the end with no load and with the hook block on the ground.
2. Crane on firm and level surface.
3. For Maximum Boom and Maximum Boom + Jib Combinations only – Boom must be lifted over the end with adequate blocking placed under the side frame sprockets/idlers to prevent rocking. The ramps supplied with the crane are considered to be adequate blocking.
4. Boom must be raised to minimum boom angle, from the capacity chart listed in the Crane Rating Manual, for the particular boom length in use before swinging over the side.

## Liftoff Capabilities – Long Range Boom



Counterweight (Side Frames)	Over End	
	Maximum Boom (ft)	Maximum Boom + Jib (ft)
A + A (Retracted)	215	N/A
A + A (Extended)	235	N/A
AB + A (Retracted)	305	N/A
AB + A (Extended)	315	N/A
ABC + A (Retracted)	355 See Note 4	295 + 140 See Note 4
ABC + A (Extended)	355 See Note 4	295 + 140 See Note 4
Counterweight (Side Frames)	Over Side	
	Maximum Boom (ft)	Maximum Boom + Jib (ft)
A + A (Retracted)	215	N/A
A + A (Extended)	235	N/A
AB + A (Retracted)	305	N/A
AB + A (Extended)	315	N/A
ABC + A (Retracted)	335	N/A
ABC + A (Extended)	355	275 + 140

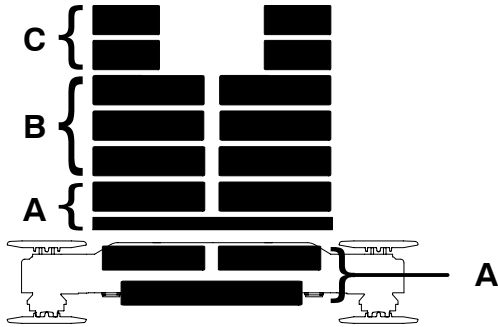
### Notes:

1. For maximum stability, booms must be erected or lowered over the end with no load and with the hook block on the ground.
2. Crane on firm and level surface.
3. For Maximum Boom and Maximum Boom + Jib Combinations only – Boom must be lifted over the end with adequate blocking placed under the side frame sprockets/idlers to prevent rocking. The ramps supplied with the crane are considered to be adequate blocking.
4. Boom must be raised to minimum boom angle, from the capacity chart listed in the Crane Rating Manual, for the particular boom length in use before swinging over the side.

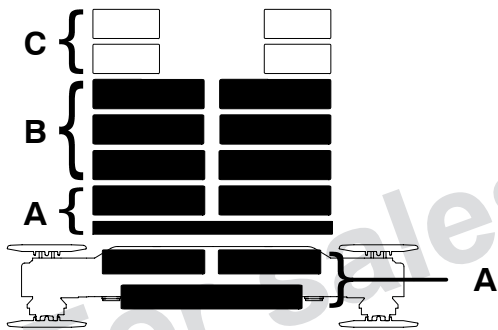
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## Allowable Counterweight Combinations

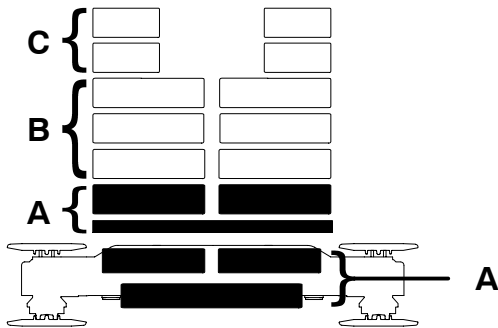
Counterweight Combinations Are In Kips (1 Kip = 1,000 Lb)



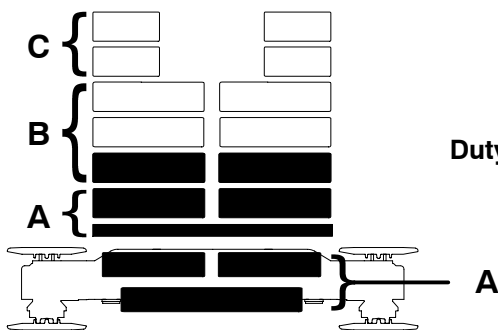
**ABC+A Lower**      221,100 lb Upper Counterweight  
**221.1K+75K**      75,000 lb Lower Counterweight



**AB+A Lower**      172,400 lb Upper Counterweight  
**172.4K+75K**      75,000 lb Lower Counterweight



**A+A Lower**      70,300 lb Upper Counterweight  
**70.3K+75K**      75,000 lb Lower Counterweight



**Duty Cycle + A Lower**      104,500 lb Upper Counterweight  
**104.5K+75K**      75,000 lb Lower Counterweight

**Note: Refer to Crane Assembly Component Weights for individual counterweight slab weights.**

## General Wind Restrictions Guide



### WARNING

Failure to follow these wind speed restrictions may result in structural failure of the boom and/or jib, which would cause property damage and/or bodily injury.

1. The effects of the wind force on the hook load are the responsibility of the user and are not taken into account. When hoisting any load in windy conditions, the load wind sail area and load controllability must be considered for safe crane operation.
2. Wind speed is to be determined at the boom top section.

### Wind Speed Chart

#### Boom and Boom + Jib Lengths 40' to 250'

Description	Allowable Wind Speeds In mph
1. Normal Lifting Operation. (See Capacity Charts.)	0–20
2. Reduced Operation. <b>Capacities must be reduced by 20%.</b>	21–30
3. Reduced Operation. <b>Capacities must be reduced by 40%.</b>	31–40
4. Reduced Operation. <b>Capacities must be reduced by 70%.</b>	41–45
5. No Operation. Store Attachment On Ground.	Over 45

#### Boom and Boom + Jib Lengths Greater than 250'

Description	Allowable Wind Speeds In mph
1. Normal Lifting Operation. (See Capacity Charts.)	0–20
2. Reduced Operation. <b>Capacities must be reduced by 35%.</b>	21–30
3. Reduced Operation. <b>Capacities must be reduced by 60%.</b>	31–40
4. Reduced Operation. <b>Capacities must be reduced by 80%.</b>	41–45
5. No Operation. Store Attachment on Ground.	Over 45

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## Duty Cycle Notes For Heavy Duty Boom

1. The capacities included in the following charts are the maximum allowable, and are based on crane standing level on firm supporting surface under ideal job conditions.
2. Capacities are based on 67.5% of minimum tipping loads for clamshell and magnet.
3. Capacities are maximum recommended by PCSA Standard #4. User must make allowances for soft or uneven supporting surfaces, rapid cycle operations, bucket suction, or other unfavorable conditions which may require smaller buckets for most efficient operation.
4. Weight of bucket, plus load must not exceed these capacities.
5. Boom length for clamshell/magnet attachment operation should not exceed 140'.
6. These capacities apply to the crane as originally manufactured and normally equipped by Link-Belt Construction Equipment Company.
7. These capacities apply to the Heavy Duty Boom only. Do not use the Long Range Boom for Duty Cycle operations.
8. A deduction must be made for the luffing jib guide rails if they are installed on boom extensions in use. Refer to "Capacity Deductions".

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## Duty Cycle Capacities For Heavy Duty Boom

Main Boom Capacities – 70' Heavy Duty Tube Boom						
Load Radius (ft)	Boom Angle (deg)	Clam/Magnet Duty Cycle				Load Radius (ft)
		Extended		Retracted		
		104.5K+A	A+A	104.5K+A	A+A	
15.51	83.0	38,000	38,000	38,000	38,000	15.51
16	82.6	38,000	38,000	38,000	38,000	16
17	81.8	38,000	38,000	38,000	38,000	17
18	80.9	38,000	38,000	38,000	38,000	18
19	80.1	38,000	38,000	38,000	38,000	19
20	79.3	38,000	38,000	38,000	38,000	20
25	75.0	38,000	38,000	38,000	38,000	25
30	70.7	38,000	38,000	38,000	38,000	30
35	66.3	38,000	38,000	38,000	38,000	35
40	61.6	38,000	38,000	38,000	38,000	40
50	51.6	38,000	38,000	38,000	38,000	50
60	39.8	38,000	38,000	38,000	38,000	60
70	23.1	38,000	38,000	38,000	38,000	70

Main Boom Capacities – 90' Heavy Duty Tube Boom						
Load Radius (ft)	Boom Angle (deg)	Clam/Magnet Duty Cycle				Load Radius (ft)
		Extended		Retracted		
		104.5K+A	A+A	104.5K+A	A+A	
17.95	83.0	38,000	38,000	38,000	38,000	17.95
19	82.3	38,000	38,000	38,000	38,000	19
20	81.7	38,000	38,000	38,000	38,000	20
25	78.4	38,000	38,000	38,000	38,000	25
30	75.1	38,000	38,000	38,000	38,000	30
35	71.8	38,000	38,000	38,000	38,000	35
40	68.4	38,000	38,000	38,000	38,000	40
50	61.3	38,000	38,000	38,000	38,000	50
60	53.6	38,000	38,000	38,000	38,000	60
70	45.0	38,000	38,000	38,000	38,000	70
80	34.7	38,000	38,000	38,000	34,200	80
90	20.2	38,000	32,500	38,000	27,900	90

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## Duty Cycle Capacities For Heavy Duty Boom

Main Boom Capacities – 100' Heavy Duty Tube Boom						
Load Radius (ft)	Boom Angle (deg)	Clam/Magnet Duty Cycle				Load Radius (ft)
		Extended		Retracted		
		104.5K+A	A+A	104.5K+A	A+A	
19.17	83.0	38,000	38,000	38,000	38,000	19.17
20	82.5	38,000	38,000	38,000	38,000	20
25	79.6	38,000	38,000	38,000	38,000	25
30	76.7	38,000	38,000	38,000	38,000	30
35	73.7	38,000	38,000	38,000	38,000	35
40	70.7	38,000	38,000	38,000	38,000	40
50	64.4	38,000	38,000	38,000	38,000	50
60	57.8	38,000	38,000	38,000	38,000	60
70	50.6	38,000	38,000	38,000	38,000	70
80	42.5	38,000	38,000	38,000	34,100	80
90	32.8	38,000	32,700	38,000	28,000	90
100	19.1	38,000	27,200	30,200	23,200	100

Main Boom Capacities – 110' Heavy Duty Tube Boom						
Load Radius (ft)	Boom Angle (deg)	Clam/Magnet Duty Cycle				Load Radius (ft)
		Extended		Retracted		
		104.5K+A	A+A	104.5K+A	A+A	
20.39	83.0	38,000	38,000	38,000	38,000	20.39
25	80.6	38,000	38,000	38,000	38,000	25
30	77.9	38,000	38,000	38,000	38,000	30
35	75.2	38,000	38,000	38,000	38,000	35
40	72.5	38,000	38,000	38,000	38,000	40
50	66.9	38,000	38,000	38,000	38,000	50
60	61.0	38,000	38,000	38,000	38,000	60
70	54.8	38,000	38,000	38,000	38,000	70
80	48.0	38,000	38,000	38,000	33,900	80
90	40.4	38,000	32,500	38,000	27,900	90
100	31.2	38,000	27,200	30,300	23,200	100
110	18.1	29,700	22,800	25,600	19,200	110

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## Duty Cycle Capacities For Heavy Duty Boom

Main Boom Capacities – 120' Heavy Duty Tube Boom						
Load Radius (ft)	Boom Angle (deg)	Clam/Magnet Duty Cycle				Load Radius (ft)
		Extended		Retracted		
		104.5K+A	A+A	104.5K+A	A+A	
21.61	83.0	38,000	38,000	38,000	38,000	21.61
25	81.4	38,000	38,000	38,000	38,000	25
30	78.9	38,000	38,000	38,000	38,000	30
35	76.5	38,000	38,000	38,000	38,000	35
40	74.0	38,000	38,000	38,000	38,000	40
50	68.9	38,000	38,000	38,000	38,000	50
60	63.7	38,000	38,000	38,000	38,000	60
70	58.1	38,000	38,000	38,000	38,000	70
80	52.2	38,000	38,000	38,000	33,600	80
90	45.8	38,000	32,400	38,000	27,700	90
100	38.5	38,000	27,000	30,100	23,000	100
110	29.8	29,600	22,700	25,500	19,100	110
120	17.3	25,300	19,100	21,600	15,900	120

Main Boom Capacities – 130' Heavy Duty Tube Boom						
Load Radius (ft)	Boom Angle (deg)	Clam/Magnet Duty Cycle				Load Radius (ft)
		Extended		Retracted		
		104.5K+A	A+A	104.5K+A	A+A	
22.83	83.0	38,000	38,000	38,000	38,000	22.83
25	82.0	38,000	38,000	38,000	38,000	25
30	79.8	38,000	38,000	38,000	38,000	30
35	77.5	38,000	38,000	38,000	38,000	35
40	75.3	38,000	38,000	38,000	38,000	40
50	70.6	38,000	38,000	38,000	38,000	50
60	65.8	38,000	38,000	38,000	38,000	60
70	60.9	38,000	38,000	38,000	38,000	70
80	55.6	38,000	38,000	38,000	33,300	80
90	50.0	38,000	32,100	38,000	27,400	90
100	43.9	38,000	26,800	29,800	22,700	100
110	36.9	29,400	22,500	25,300	18,900	110
120	28.6	25,200	19,000	21,600	15,700	120
130	16.6	21,600	15,900	18,300	13,000	130

## Duty Cycle Capacities For Heavy Duty Boom

Main Boom Capacities – 140' Heavy Duty Tube Boom						
Load Radius (ft)	Boom Angle (deg)	Clam/Magnet Duty Cycle				Load Radius (ft)
		Extended		Retracted		
		104.5K+A	A+A	104.5K+A	A+A	
24.04	83.0	38,000	38,000	38,000	38,000	24.04
25	82.6	38,000	38,000	38,000	38,000	25
30	80.5	38,000	38,000	38,000	38,000	30
35	78.4	38,000	38,000	38,000	38,000	35
40	76.3	38,000	38,000	38,000	38,000	40
50	72.1	38,000	38,000	38,000	38,000	50
60	67.7	38,000	38,000	38,000	38,000	60
70	63.1	38,000	38,000	38,000	38,000	70
80	58.4	38,000	38,000	38,000	33,000	80
90	53.4	38,000	31,700	38,000	27,000	90
100	48.1	34,100	26,500	29,500	22,400	100
110	42.2	29,100	22,300	25,000	18,600	110
120	35.5	25,000	18,800	21,300	15,400	120
130	27.5	21,500	15,800	18,100	12,800	130
140	15.9	18,400	13,200	15,300	10,500	140

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## Live Mast Self Assembly Cylinder Lifting Capacities

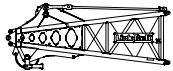

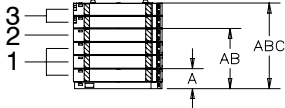
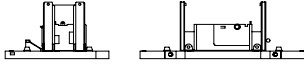



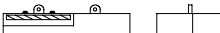

Live Mast		Capacity On Jacks		
Radius (ft)	Angle (deg)	CTWT 0 + 0 (lb)	CTWT* 0 + A (lb)	CTWT 0 + A (lb)
6.78	83.0	60,000	60,000	60,000
7	82.6	60,000	60,000	60,000
8	80.8	60,000	60,000	60,000
9	79.0	60,000	60,000	60,000
10	77.1	60,000	60,000	60,000
11	75.3	60,000	60,000	60,000
12	73.4	60,000	60,000	60,000
13	71.6	60,000	60,000	60,000
14	69.7	60,000	60,000	60,000
15	67.7	53,700	60,000	60,000
16	65.8	48,300	57,400	60,000
17	63.8	43,800	52,100	60,000
18	61.8	40,000	47,700	60,000
19	59.8	36,800	43,900	58,300
20	57.7	33,900	40,600	54,000
21	55.5	31,500	37,700	50,300
22	53.3	29,300	35,200	47,000
23	51.0	27,400	32,900	44,100
24	48.7	25,700	30,900	41,500
25	46.3	24,200	29,100	39,100
26	43.7	22,800	27,500	37,000
27	41.1	21,500	26,000	35,100
28	38.3	20,300	24,600	33,400
29	35.3	19,300	23,400	31,700
30	32.1	18,300	22,300	30,300

Note: Shaded areas indicate a strength limit.

\* Capacities with one side frame attached to the crane.

- Notes:
1. Refer to the Operator's Manual.
  2. Rated capacities for 360° rotation, except column marked by \*.
  3. Live mast flip cylinders must be fully extended and used as backstops.
  4. For self-assembly of counterweights, boom extensions, and side frames only. See Crane Assembly Component Weights chart for weight of components for crane assembly.
  5. All capacities are listed in pounds and are not more than 75% of the tipping loads.
  6. When lifting while on side frames, do not exceed the capacities listed above for "On Jacks".

## Crane Assembly Component Weights

Component	Weight	
	lb	kg
1. 15' (4.57m) Base Section Assembly (Including Backstops)	6,350	2 880
– 3rd Drum Assembly (Including Frame Assy, Drum, and Wire Rope)	4,028	1 827
2. 20' (6.10m) Base Extension	4,045	1 835
3. Boom Extensions		
– 20' (6.10m) "JC" Heavy Duty Boom Extension Assembly	3,651	1 656
– 30' (9.14m) "JC" Heavy Duty Boom Extension Assembly	5,187	2 353
– 40' (12.19m) "JC" Heavy Duty Boom Extension Assembly	6,552	2 972
– 10' (3.05m) "FE" Long Range Boom Extension Assembly	1,338	607
– 20' (6.10m) "FE" Long Range Boom Extension Assembly	2,162	981
– 30' (9.14m) "FE" Long Range Boom Extension Assembly	2,992	1 357
– 40' (12.19m) "FE" Long Range Boom Extension Assembly	3,823	1 734
4. 20' (6.10m) Tapered Extension	5,044	2 288
5. Luffing Jib Bridle Guide Rails	20 lb/ft	30kg/m
6. 15' (4.57m) Heavy Duty Peak Section		7,576 3 436
7. 30' (9.14m) Long Range Peak Section		5,072 2 301
8. Upper Counterweights		
– Counterweight Slab		36,128 16 388
– Counterweight "1" (each)		17,086 7 750
– Counterweight "2" (each)		16,755 7 600
– Counterweight "3" (each)		12,125 5 500
– Counterweight "A"		70,300 31 888
– Counterweight "AB"		172,400 78 200
– Counterweight "ABC"		221,100 100 290
9. Lower Counterweights		
– Counterweight "Base" (each)		14,770 6 700
– Counterweight "Slab 1" (each)		11,243 5 100
– Counterweight "Slab 2" (each)		11,464 5 200
– Counterweight "A"		74,954 33 999

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## Crane Assembly Component Weights

Component	Weight	
	lb	kg
10. Side Frames (Each)		
– 50" (1.27m) Track Shoe Side Frame	45,000	20 412
– 60" (1.52m) Track Shoe Side Frame	48,650	22 068
– Side Frame Extenders	280	127
11. Jib		
– Jib Base & Strut Assembly	2,504	1 136
– Jib Extension	685	311
– Jib Peak Assembly	1,602	727
– Jib Extension Pendants (each)	145	66
12. 5' (1.52m) Tip Extension	671	304
13. Hook Balls and Hook Blocks (See Hook Block/Ball For Actual Weight)		
– 300 ton (272.2mt) 7 Sheave Hook Block	6,436	2 919
– 250 ton (226.8mt) 6 Sheave Hook Block	6,600	2 994
– 60 ton (54.5mt) 2 Sheave Hook Block	1,637	743
– 20 ton (18.1mt) Non-Swivel Hook Ball	1,214	551
– 20 ton (18.1mt) Swivel Hook Ball	1,255	569

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## Maximum Allowable Capacities For 5' Tip Extension

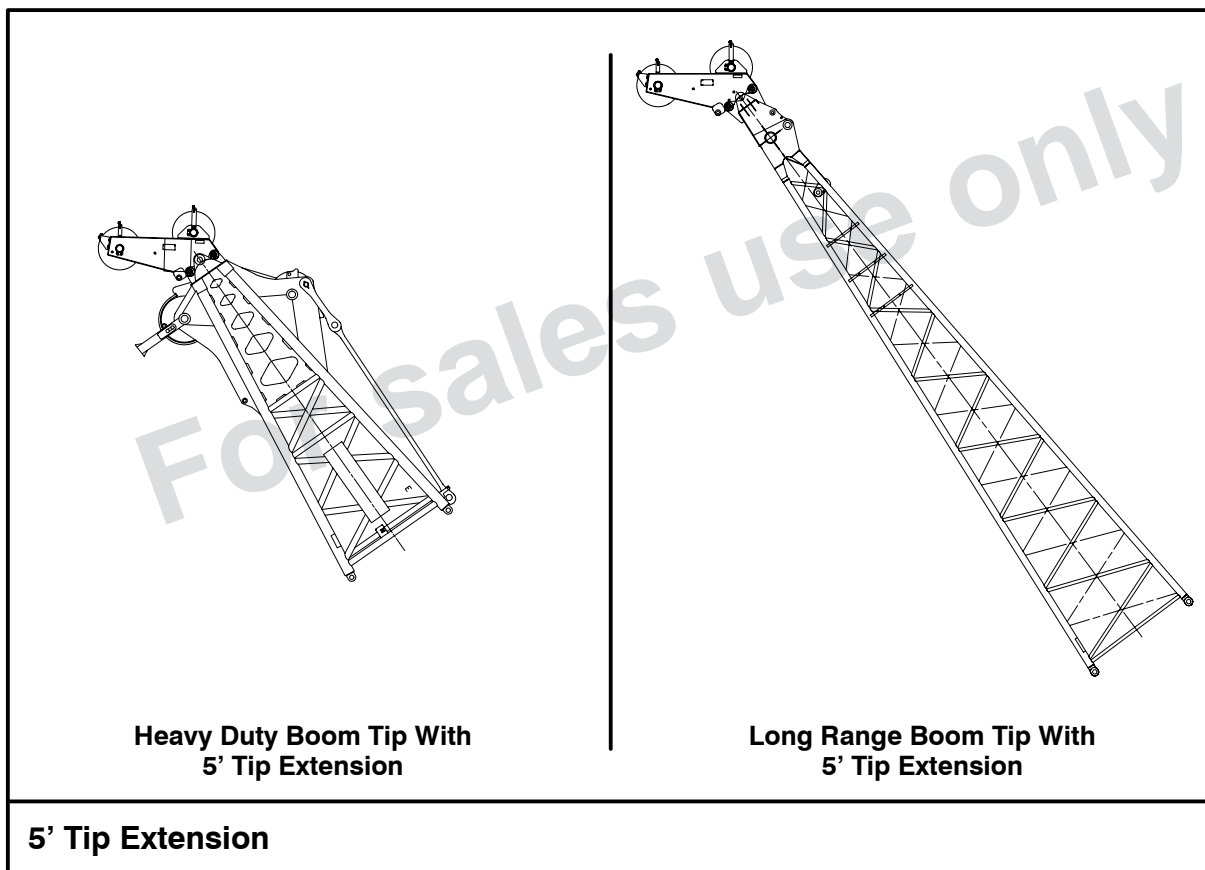
### I. Heavy Duty Boom

#### Lifting Capacity To Be The Smallest Of The Following Values:

1. 40,000 lb maximum.
2. The standard heavy duty boom lift capacity minus deduct for the crane configuration in use.

#### Notes:

1. All notes are to be adhered to as listed on the standard lift crane capacity charts.
2. Reduce the main boom lift capacities by the amount listed when the tip extension is installed.
3. The maximum boom length on which the tip extension can be installed is 290'.
4. Do not lift or suspend a load from the boom tip extension and main boom at the same time.



### II. Long Range Boom

#### Lifting Capacity To Be The Smallest Of The Following Values:

1. 40,000 lb maximum.
2. The standard long range boom lift capacity minus deduct for the crane configuration in use.

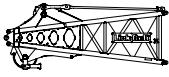
#### Notes:

1. All notes are to be adhered to as listed on the standard lift crane capacity charts.
2. Reduce the main boom lift capacities by the amount listed when the tip extension is installed.
3. The maximum boom length on which the tip extension can be installed is 295'.
4. Do not lift or suspend a load from the boom tip extension and main boom at the same time.

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## Capacity Deductions For Lifting Off Main Boom Hook With Jib Or Tip Extension Installed, Not Used, And 60 Ton Hook Block On Jib Or Tip Extension, Not Used

When using main boom hook, while jib or tip extension is attached, reduce boom capacities by the values in the following chart:

Heavy Duty Boom Deducts	
	
Tip Extension + Hook Block	
Tip Extension	1,900
Jib + Hook Block	
40' Jib @ 5° Offset	9,500
60' Jib @ 5° Offset	11,900
80' Jib @ 5° Offset	14,400
100' Jib @ 5° Offset	17,400
120' Jib @ 5° Offset	21,400
140' Jib @ 5° Offset	25,700
Jib @ 15° Offset	
40' Jib @ 15° Offset	10,500
60' Jib @ 15° Offset	15,200
80' Jib @ 15° Offset	20,600
100' Jib @ 15° Offset	26,500
120' Jib @ 15° Offset	33,100
140' Jib @ 15° Offset	40,300
Jib @ 25° Offset	
40' Jib @ 25° Offset	13,300
60' Jib @ 25° Offset	19,700
80' Jib @ 25° Offset	27,000
100' Jib @ 25° Offset	35,200
120' Jib @ 25° Offset	44,200
140' Jib @ 25° Offset	54,100

## Capacity Deductions For Lifting Loads With Luffing Jib Bridle Guide Rails Installed On Boom Sections

When using boom extension(s) with luffing jib bridle guide rails installed, deduct 20 lb/ft (30kg/m) for all rail assembly on the boom extension(s).

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## Capacity Deductions For Lifting Off Main Boom Hook With Jib Or Tip Extension Installed, Not Used, And 60 Ton Hook Block On Jib Or Tip Extension, Not Used

When using main boom hook, while jib or tip extension is attached, reduce boom capacities by the values in the following chart:

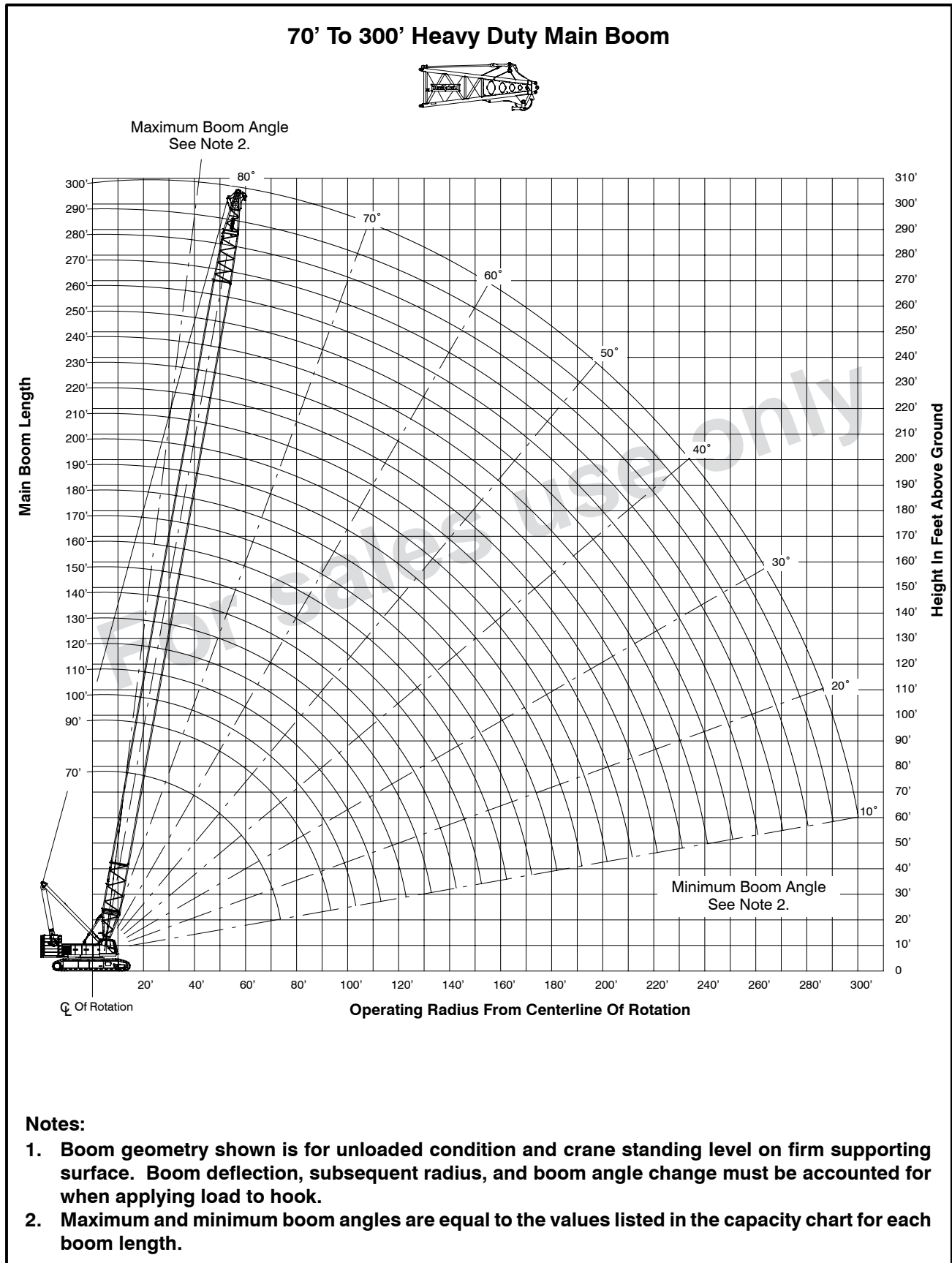
<b>Long Range Boom Deducts</b>	
	
<b>Tip Extension + Hook Block</b>	
Tip Extension	1,900
<b>Jib + Hook Block</b>	
40' Jib @ 5° Offset	9,200
60' Jib @ 5° Offset	11,300
80' Jib @ 5° Offset	13,600
100' Jib @ 5° Offset	16,300
120' Jib @ 5° Offset	19,600
140' Jib @ 5° Offset	23,200
<b>Jib + Hook Block</b>	
40' Jib @ 15° Offset	10,000
60' Jib @ 15° Offset	13,900
80' Jib @ 15° Offset	18,100
100' Jib @ 15° Offset	22,900
120' Jib @ 15° Offset	28,100
140' Jib @ 15° Offset	33,800
<b>Jib + Hook Block</b>	
40' Jib @ 25° Offset	12,100
60' Jib @ 25° Offset	17,100
80' Jib @ 25° Offset	22,800
100' Jib @ 25° Offset	29,100
120' Jib @ 25° Offset	36,100
140' Jib @ 25° Offset	43,700

## Capacity Deductions For Lifting Loads With Luffing Jib Bridle Guide Rails Installed On Boom Sections

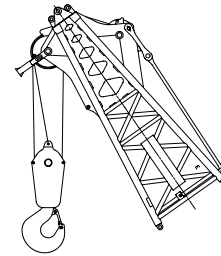
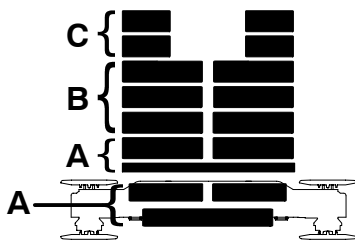
When using boom extension(s) with luffing jib bridle guide rails installed, deduct 20 lb/ft (30kg/m) for all rail assembly on the boom extension(s).

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## Working Range Diagram – Heavy Duty Boom



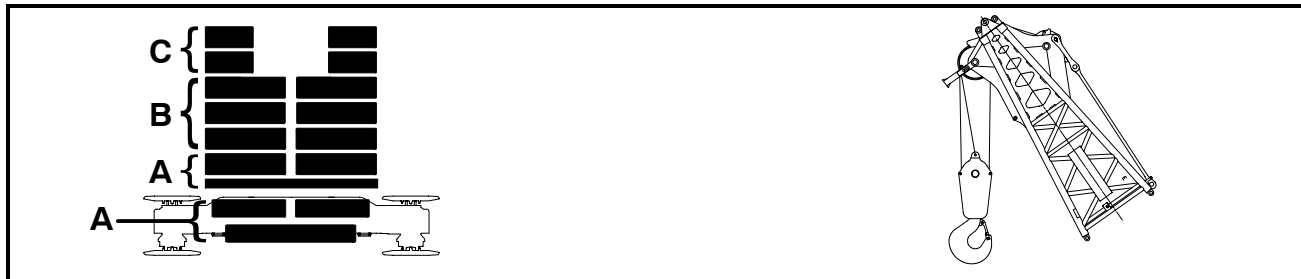
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**Main Boom Capacities – 70' Heavy Duty Boom**

Load Radius (ft)	Boom Angle (deg)	Over End Blocked	360° Rotation						Load Radius (ft)	
			Side Frames Extended			Side Frames Retracted				
			ABC+A CTWT (lb)	ABC+A CTWT (lb)	AB+A CTWT (lb)	A+A CTWT (lb)	ABC+A CTWT (lb)	AB+A CTWT (lb)		A+A CTWT (lb)
			Curve 1	Curve 2	Curve 3	Curve 4	Curve 5	Curve 6		Curve 7
15.51	83.0	600,000	600,000	577,600	489,500	<b>Prohibited</b>	577,600	489,500	15.51	
16	82.6	600,000	600,000	561,700	475,800		561,700	475,800	16	
17	81.8	569,000	569,000	531,400	449,900		531,400	449,900	17	
18	80.9	539,800	539,800	504,100	426,600		504,100	426,600	18	
19	80.1	513,500	513,500	479,400	405,500		479,400	381,700	19	
20	79.3	489,400	489,400	456,900	386,300		456,900	342,900	20	
25	75.0	395,800	395,800	369,100	274,800		361,600	225,600	25	
30	70.7	331,200	331,200	308,700	198,100		268,700	166,500	30	
35	66.3	284,000	284,000	245,100	153,700		212,800	130,900	35	
40	61.6	248,000	235,100	200,200	124,700		175,300	107,000	40	
50	51.6	196,600	170,900	145,000	89,100		128,300	77,000	50	
60	39.8	156,900	132,900	112,300	67,800		99,800	58,800	60	
70	23.1	126,200	107,500	90,400	53,500		80,500	46,300	70	

Note: Refer To Page 23 For “Capacity Deductions” Caused By Any Attachment At The Boom Tip.

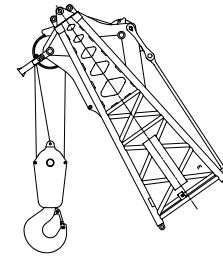
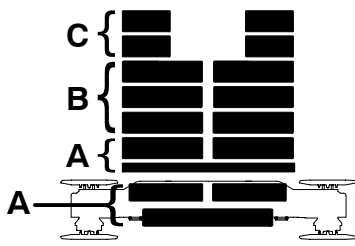
Not for crane operations


**Main Boom Capacities – 90' Heavy Duty Boom**

Load Radius (ft)	Boom Angle (deg)	Over End Blocked	360° Rotation						Load Radius (ft)	
			Side Frames Extended			Side Frames Retracted				
			ABC+A CTWT (lb)	ABC+A CTWT (lb)	AB+A CTWT (lb)	A+A CTWT (lb)	ABC+A CTWT (lb)	AB+A CTWT (lb)		A+A CTWT (lb)
			Curve 1	Curve 2	Curve 3	Curve 4	Curve 5	Curve 6		Curve 7
17.95	83.0	537,400	537,400	502,000	425,200	<b>Prohibited</b>	502,000	425,200	17.95	
19	82.3	510,100	510,100	476,400	403,200		476,400	383,700	19	
20	81.7	486,400	486,400	454,200	384,200		454,200	344,600	20	
25	78.4	393,800	393,800	367,400	276,100		362,600	226,500	25	
30	75.1	329,800	329,800	307,400	198,900		269,300	167,100	30	
35	71.8	282,900	282,900	245,700	154,300		213,200	131,300	35	
40	68.4	247,000	235,600	200,600	125,100		175,600	107,300	40	
50	61.3	196,000	171,200	145,300	89,400		128,500	77,200	50	
60	53.6	157,400	133,300	112,700	68,200		100,100	59,100	60	
70	45.0	126,900	108,100	91,000	54,100		81,100	46,800	70	
80	34.7	105,500	90,100	75,500	44,000		67,300	38,000	80	
90	20.2	89,500	76,500	63,800	36,200		56,700	31,100	90	

**Note: Refer To Page 23 For “Capacity Deductions” Caused By Any Attachment At The Boom Tip.**

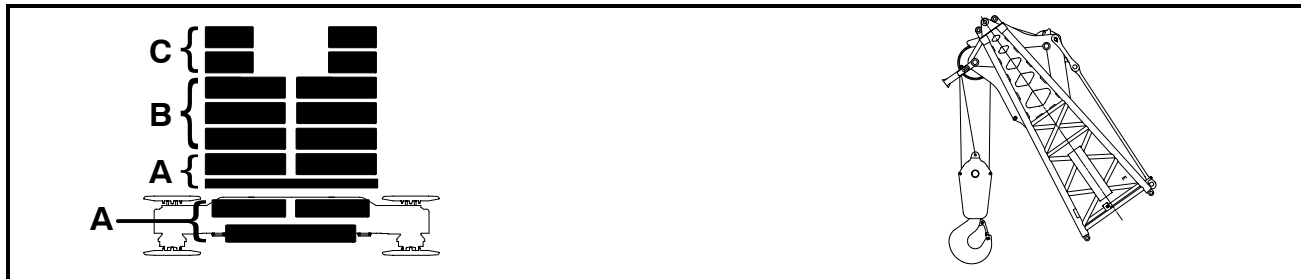
Not for crane operations


**Main Boom Capacities – 100' Heavy Duty Boom**

Load Radius (ft)	Boom Angle (deg)	Over End Blocked	360° Rotation						Load Radius (ft)	
			Side Frames Extended			Side Frames Retracted				
			ABC+A CTWT (lb)	ABC+A CTWT (lb)	AB+A CTWT (lb)	A+A CTWT (lb)	ABC+A CTWT (lb)	AB+A CTWT (lb)		A+A CTWT (lb)
			Curve 1	Curve 2	Curve 3	Curve 4	Curve 5	Curve 6		Curve 7
19.17	83.0	503,900	503,900	470,700	398,500	<b>Prohibited</b>	470,700	377,200	19.17	
20	82.5	484,600	484,600	452,600	382,900		452,600	345,300	20	
25	79.6	392,600	392,600	366,200	276,600		362,900	226,800	25	
30	76.7	328,800	328,800	306,500	199,200		269,400	167,200	30	
35	73.7	282,100	282,100	245,800	154,400		213,200	131,300	35	
40	70.7	246,300	235,600	200,600	125,100		175,600	107,300	40	
50	64.4	195,400	171,200	145,300	89,300		128,400	77,100	50	
60	57.8	157,300	133,200	112,600	68,100		100,000	58,900	60	
70	50.6	126,900	108,000	90,900	54,000		80,900	46,700	70	
80	42.5	105,600	90,100	75,500	44,000		67,300	37,900	80	
90	32.8	89,700	76,600	63,900	36,400	56,900	31,200	90		
100	19.1	77,300	66,000	54,700	30,300	48,600	25,800	100		

Note: Refer To Page 23 For “Capacity Deductions” Caused By Any Attachment At The Boom Tip.

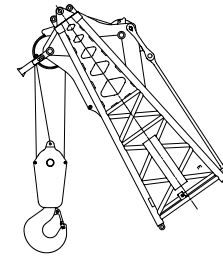
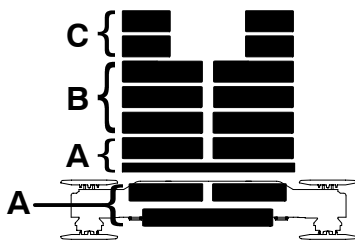
Not for crane operations


**Main Boom Capacities – 110' Heavy Duty Boom**

Load Radius (ft)	Boom Angle (deg)	Over End Blocked	360° Rotation						Load Radius (ft)	
			Side Frames Extended			Side Frames Retracted				
			ABC+A CTWT (lb)	ABC+A CTWT (lb)	AB+A CTWT (lb)	A+A CTWT (lb)	ABC+A CTWT (lb)	AB+A CTWT (lb)		A+A CTWT (lb)
			Curve 1	Curve 2	Curve 3	Curve 4	Curve 5	Curve 6		Curve 7
20.39	83.0	473,800	473,800	442,800	374,600	<b>Prohibited</b>	442,800	332,500	20.39	
25	80.6	391,300	391,300	365,000	276,900		363,100	227,000	25	
30	77.9	327,800	327,800	305,500	199,300		269,500	167,200	30	
35	75.2	281,200	281,200	245,800	154,400		213,100	131,200	35	
40	72.5	245,600	235,500	200,600	125,100		175,400	107,100	40	
50	66.9	194,700	171,000	145,100	89,100		128,200	76,900	50	
60	61.0	157,200	133,000	112,400	67,900		99,800	58,700	60	
70	54.8	126,800	107,800	90,700	53,800		80,700	46,500	70	
80	48.0	105,400	89,900	75,300	43,800		67,100	37,700	80	
90	40.4	89,600	76,500	63,800	36,200		56,700	31,100	90	
100	31.2	77,300	66,000	54,700	30,300		48,600	25,800	100	
110	18.1	67,400	57,500	47,300	25,400	41,900	21,400	110		

**Note: Refer To Page 23 For “Capacity Deductions” Caused By Any Attachment At The Boom Tip.**

Not for crane operations


**Main Boom Capacities – 120' Heavy Duty Boom**

Load Radius (ft)	Boom Angle (deg)	Over End Blocked	360° Rotation						Load Radius (ft)	
			Side Frames Extended			Side Frames Retracted				
			ABC+A CTWT (lb)	ABC+A CTWT (lb)	AB+A CTWT (lb)	A+A CTWT (lb)	ABC+A CTWT (lb)	AB+A CTWT (lb)		A+A CTWT (lb)
			Curve 1	Curve 2	Curve 3	Curve 4	Curve 5	Curve 6		Curve 7
21.61	83.0	443,400	443,400	417,700	353,200	<b>Prohibited</b>	417,700	296,900	21.61	
25	81.4	389,800	389,800	363,700	277,300		363,200	227,200	25	
30	78.9	326,700	326,700	304,400	199,400		269,500	167,200	30	
35	76.5	280,200	280,200	245,700	154,300		213,000	131,100	35	
40	74.0	244,700	235,400	200,500	125,000		175,300	107,000	40	
50	68.9	194,000	170,800	144,900	88,900		128,000	76,700	50	
60	63.7	156,600	132,700	112,100	67,600		99,500	58,400	60	
70	58.1	126,500	107,600	90,500	53,600		80,400	46,200	70	
80	52.2	105,200	89,700	75,100	43,500		66,800	37,400	80	
90	45.8	89,400	76,300	63,500	36,000		56,500	30,800	90	
100	38.5	77,200	65,900	54,600	30,100		48,400	25,600	100	
110	29.8	67,400	57,500	47,300	25,300		41,900	21,300	110	
120	17.3	59,300	50,400	41,200	21,300	36,400	17,700	120		

Note: Refer To Page 23 For “Capacity Deductions” Caused By Any Attachment At The Boom Tip.

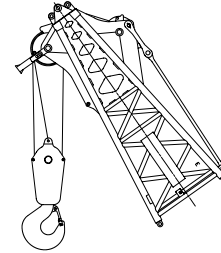
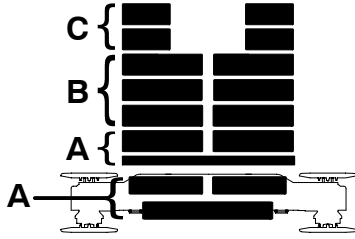
Not for crane operations


**Main Boom Capacities – 130' Heavy Duty Boom**

Load Radius (ft)	Boom Angle (deg)	Over End Blocked	360° Rotation						Load Radius (ft)	
			Side Frames Extended			Side Frames Retracted				
			ABC+A CTWT (lb)	ABC+A CTWT (lb)	AB+A CTWT (lb)	A+A CTWT (lb)	ABC+A CTWT (lb)	AB+A CTWT (lb)		A+A CTWT (lb)
			Curve 1	Curve 2	Curve 3	Curve 4	Curve 5	Curve 6		Curve 7
22.83	83.0	417,800	417,800	395,000	332,600	<b>Prohibited</b>	395,000	267,900	22.83	
25	82.0	388,300	388,300	362,300	277,500		362,300	227,300	25	
30	79.8	325,500	325,500	303,300	199,400		269,400	167,200	30	
35	77.5	279,200	279,200	245,700	154,300		212,900	130,900	35	
40	75.3	243,800	235,200	200,300	124,800		175,100	106,700	40	
50	70.6	192,900	170,600	144,700	88,700		127,700	76,400	50	
60	65.8	154,900	132,400	111,900	67,400		99,200	58,100	60	
70	60.9	126,300	107,200	90,200	53,300		80,100	45,900	70	
80	55.6	104,900	89,400	74,800	43,200		66,400	37,100	80	
90	50.0	89,100	76,000	63,200	35,700		56,200	30,500	90	
100	43.9	76,900	65,600	54,300	29,800		48,100	25,300	100	
110	36.9	67,200	57,200	47,100	25,100		41,600	21,100	110	
120	28.6	59,200	50,300	41,100	21,200		36,200	17,500	120	
130	16.6	52,500	44,500	36,000	17,700	31,600	14,500	130		

**Note: Refer To Page 23 For “Capacity Deductions” Caused By Any Attachment At The Boom Tip.**

Not for crane operations


**Main Boom Capacities – 140' Heavy Duty Boom**

Load Radius (ft)	Boom Angle (deg)	Over End Blocked	360° Rotation						Load Radius (ft)	
			Side Frames Extended			Side Frames Retracted				
			ABC+A CTWT (lb)	ABC+A CTWT (lb)	AB+A CTWT (lb)	A+A CTWT (lb)	ABC+A CTWT (lb)	AB+A CTWT (lb)		A+A CTWT (lb)
			Curve 1	Curve 2	Curve 3	Curve 4	Curve 5	Curve 6		Curve 7
24.04	83.0	388,600	388,600	374,400	299,700	<b>Prohibited</b>	374,400	243,700	24.04	
25	82.6	384,900	384,900	360,800	277,800		360,800	227,400	25	
30	80.5	324,200	324,200	302,200	199,400		269,300	167,100	30	
35	78.4	278,200	278,200	245,600	154,100		212,700	130,800	35	
40	76.3	242,900	235,000	200,100	124,600		174,800	106,500	40	
50	72.1	191,100	170,300	144,400	88,400		127,400	76,100	50	
60	67.7	153,300	132,100	111,500	67,000		98,800	57,800	60	
70	63.1	125,900	106,900	89,800	52,900		79,700	45,500	70	
80	58.4	104,600	89,000	74,400	42,900		66,100	36,700	80	
90	53.4	88,800	75,600	62,900	35,300		55,800	30,100	90	
100	48.1	76,600	65,200	53,900	29,500		47,700	24,900	100	
110	42.2	66,900	56,900	46,700	24,800		41,300	20,700	110	
120	35.5	59,000	50,000	40,800	20,900		35,900	17,200	120	
130	27.5	52,300	44,300	35,800	17,600		31,400	14,300	130	
140	15.9	46,600	39,300	31,500	14,700	27,500	11,700	140		

**Note: Refer To Page 23 For “Capacity Deductions” Caused By Any Attachment At The Boom Tip.**

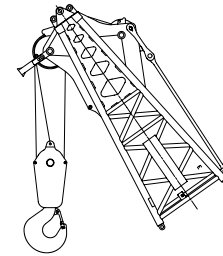
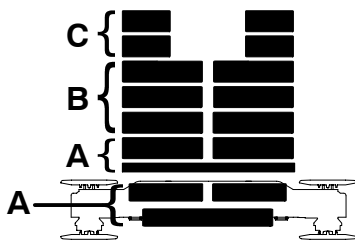
Not for crane operations


**Main Boom Capacities – 150' Heavy Duty Boom**

Load Radius (ft)	Boom Angle (deg)	Over End Blocked	360° Rotation						Load Radius (ft)	
			Side Frames Extended			Side Frames Retracted				
			ABC+A CTWT (lb)	ABC+A CTWT (lb)	AB+A CTWT (lb)	A+A CTWT (lb)	ABC+A CTWT (lb)	AB+A CTWT (lb)		A+A CTWT (lb)
			Curve 1	Curve 2	Curve 3	Curve 4	Curve 5	Curve 6		Curve 7
25.26	83.0	361,200	361,200	355,600	272,400	<b>Prohibited</b>	355,600	223,300	25.26	
30	81.2	322,900	322,900	300,900	199,400		269,300	167,000	30	
35	79.2	277,100	277,100	245,400	154,000		212,500	130,600	35	
40	77.3	241,900	234,800	199,900	124,400		174,600	106,300	40	
50	73.3	189,300	170,000	144,100	88,100		127,000	75,800	50	
60	69.2	151,800	131,800	111,200	66,700		98,400	57,400	60	
70	65.1	125,000	106,500	89,400	52,500		79,300	45,100	70	
80	60.8	104,200	88,600	74,000	42,500		65,700	36,300	80	
90	56.2	88,400	75,200	62,500	34,900		55,400	29,700	90	
100	51.4	76,200	64,800	53,500	29,100		47,300	24,500	100	
110	46.3	66,500	56,500	46,300	24,400		40,900	20,300	110	
120	40.7	58,600	49,700	40,400	20,500		35,600	16,900	120	
130	34.3	52,000	44,000	35,500	17,300		31,100	14,000	130	
140	26.5	46,400	39,100	31,300	14,400		27,200	11,400	140	
150	15.3	41,100	34,800	27,500	11,900		23,800	9,100	150	

**Note: Refer To Page 23 For “Capacity Deductions” Caused By Any Attachment At The Boom Tip.**

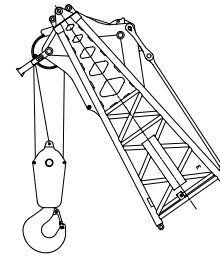
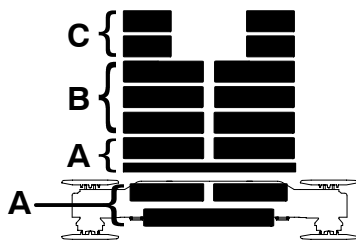
Not for crane operations


**Main Boom Capacities – 160' Heavy Duty Boom**

Load Radius (ft)	Boom Angle (deg)	Over End Blocked	360° Rotation						Load Radius (ft)	
			Side Frames Extended			Side Frames Retracted				
			ABC+A CTWT (lb)	ABC+A CTWT (lb)	AB+A CTWT (lb)	A+A CTWT (lb)	ABC+A CTWT (lb)	AB+A CTWT (lb)		A+A CTWT (lb)
			Curve 1	Curve 2	Curve 3	Curve 4	Curve 5	Curve 6		Curve 7
26.48	83.0	338,800	338,800	338,400	249,400	<b>Prohibited</b>	329,600	205,700	26.48	
30	81.7	321,600	321,600	299,700	199,400		269,100	166,900	30	
35	79.9	275,900	275,900	245,300	153,900		212,300	130,400	35	
40	78.1	240,900	234,600	199,700	124,200		174,300	106,000	40	
50	74.4	187,700	169,700	143,800	87,800		126,700	75,400	50	
60	70.6	150,300	131,400	110,800	66,300		98,100	57,000	60	
70	66.7	123,600	106,100	89,100	52,100		78,900	44,700	70	
80	62.8	103,800	88,200	73,600	42,100		65,200	35,900	80	
90	58.6	88,000	74,800	62,000	34,500		54,900	29,200	90	
100	54.3	75,800	64,400	53,100	28,700		46,900	24,100	100	
110	49.7	66,100	56,100	45,900	24,000		40,400	19,900	110	
120	44.7	58,200	49,300	40,000	20,100		35,100	16,400	120	
130	39.3	51,600	43,600	35,100	16,900		30,700	13,500	130	
140	33.1	46,100	38,700	30,900	14,100		26,900	11,100	140	
150	25.6	41,300	34,500	27,300	11,700		23,600	8,900	150	
160	14.8	36,400	30,800	24,000	9,500		20,600	6,900	160	

Note: Refer To Page 23 For “Capacity Deductions” Caused By Any Attachment At The Boom Tip.

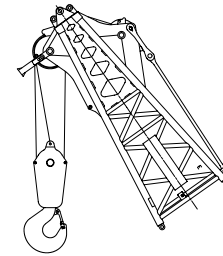
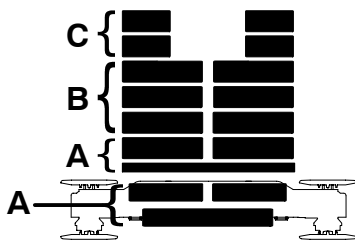
Not for crane operations


**Main Boom Capacities – 170' Heavy Duty Boom**

Load Radius (ft)	Boom Angle (deg)	Over End Blocked	360° Rotation						Load Radius (ft)	
			Side Frames Extended			Side Frames Retracted				
			ABC+A CTWT (lb)	ABC+A CTWT (lb)	AB+A CTWT (lb)	A+A CTWT (lb)	ABC+A CTWT (lb)	AB+A CTWT (lb)		A+A CTWT (lb)
			Curve 1	Curve 2	Curve 3	Curve 4	Curve 5	Curve 6		Curve 7
27.7	83.0	314,600	314,600	314,600	229,700	314,600	305,900	190,500	27.7	
30	82.2	308,700	308,700	298,400	199,400	308,700	269,000	166,800	30	
35	80.5	274,800	274,800	245,100	153,700	249,900	212,100	130,200	35	
40	78.8	239,800	234,400	199,500	124,000	205,600	174,000	105,700	40	
50	75.3	186,100	169,400	143,500	87,500	150,000	126,300	75,000	50	
60	71.8	148,800	131,000	110,400	65,900	116,600	97,600	56,600	60	
70	68.2	122,400	105,700	88,600	51,700	94,300	78,500	44,300	70	
80	64.5	103,400	87,800	73,200	41,600	78,300	64,800	35,400	80	
90	60.7	87,600	74,300	61,600	34,100	66,300	54,500	28,800	90	
100	56.7	75,400	63,900	52,600	28,200	57,000	46,400	23,600	100	
110	52.5	65,700	55,600	45,500	23,500	49,500	40,000	19,400	110	
120	48.1	57,800	48,800	39,600	19,700	43,300	34,700	16,000	120	
130	43.3	51,200	43,100	34,700	16,400	38,200	30,200	13,100	130	
140	38.1	45,700	38,300	30,500	13,700	33,800	26,400	10,600	140	
150	32.1	40,900	34,100	26,900	11,300	30,000	23,200	8,500	150	
160	24.8	36,700	30,500	23,700	9,200	26,600	20,300	6,600	160	
170	14.4	31,800	27,200	20,900	7,200	23,600	17,700	4,800	170	

Note: Refer To Page 23 For “Capacity Deductions” Caused By Any Attachment At The Boom Tip.

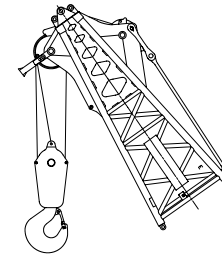
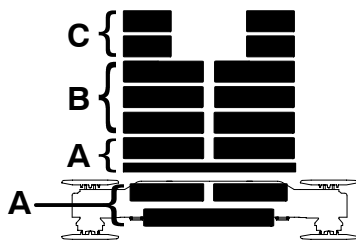
Not for crane operations


**Main Boom Capacities – 180' Heavy Duty Boom**

Load Radius (ft)	Boom Angle (deg)	Over End Blocked	360° Rotation						Load Radius (ft)	
			Side Frames Extended			Side Frames Retracted				
			ABC+A CTWT (lb)	ABC+A CTWT (lb)	AB+A CTWT (lb)	A+A CTWT (lb)	ABC+A CTWT (lb)	AB+A CTWT (lb)		A+A CTWT (lb)
			Curve 1	Curve 2	Curve 3	Curve 4	Curve 5	Curve 6		Curve 7
28.92	83.0	295,300	295,300	295,300	212,600	295,300	285,100	177,100	28.92	
30	82.7	292,600	292,600	292,600	199,300	292,600	268,900	166,600	30	
35	81.0	273,600	273,600	245,000	153,600	249,700	211,800	129,900	35	
40	79.4	238,800	234,100	199,200	123,700	205,300	173,700	105,400	40	
50	76.2	184,600	169,000	143,100	87,100	149,700	126,000	74,700	50	
60	72.8	147,400	130,600	110,000	65,500	116,200	97,200	56,200	60	
70	69.5	121,900	105,300	88,200	51,300	93,900	78,000	43,800	70	
80	66.0	102,300	87,300	72,700	41,200	77,900	64,300	35,000	80	
90	62.4	87,100	73,900	61,100	33,600	65,900	54,000	28,300	90	
100	58.8	74,900	63,500	52,200	27,700	56,500	45,900	23,100	100	
110	54.9	65,200	55,100	45,000	23,000	49,000	39,500	18,900	110	
120	50.9	57,300	48,300	39,100	19,200	42,800	34,200	15,500	120	
130	46.6	50,800	42,700	34,200	16,000	37,700	29,800	12,600	130	
140	42.0	45,200	37,800	30,100	13,200	33,300	26,000	10,200	140	
150	36.9	40,500	33,700	26,500	10,800	29,500	22,700	8,000	150	
160	31.1	36,300	30,100	23,300	8,800	26,200	19,900	6,200	160	
170	24.1	32,000	26,900	20,600	6,900	23,300	17,300	4,500	170	
180	13.9	27,600	24,000	18,000	5,200	20,600	15,000	2,900	180	

**Note: Refer To Page 23 For “Capacity Deductions” Caused By Any Attachment At The Boom Tip.**

Not for crane operations

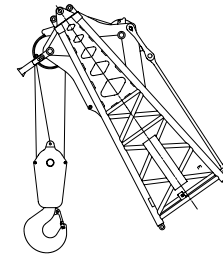
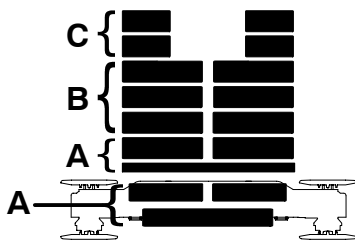

**Main Boom Capacities – 190' Heavy Duty Boom**

Load Radius (ft)	Boom Angle (deg)	Over End Blocked	360° Rotation						Load Radius (ft)	
			Side Frames Extended			Side Frames Retracted				
			ABC+A CTWT (lb)	ABC+A CTWT (lb)	AB+A CTWT (lb)	A+A CTWT (lb)	ABC+A CTWT (lb)	AB+A CTWT (lb)		A+A CTWT (lb)
			Curve 1	Curve 2	Curve 3	Curve 4	Curve 5	Curve 6		Curve 7
30.14	83.0	275,000	275,000	275,000	197,700	275,000	266,800	30.14		
35	81.5	264,700	264,700	244,800	153,400	249,500	211,600	35		
40	80.0	237,700	233,900	199,000	123,500	205,000	173,400	40		
50	76.9	183,200	168,700	142,800	86,800	149,300	125,600	50		
60	73.8	146,100	130,200	109,600	65,100	115,800	96,800	60		
70	70.6	120,600	104,900	87,800	50,900	93,400	77,600	70		
80	67.3	101,100	86,900	72,300	40,700	77,400	63,800	80		
90	64.0	86,200	73,400	60,700	33,100	65,400	53,500	90		
100	60.6	74,500	63,000	51,700	27,300	56,000	45,500	100		
110	57.0	64,800	54,700	44,500	22,600	48,500	39,000	110		
120	53.3	56,900	47,900	38,600	18,700	42,300	33,700	120		
130	49.4	50,300	42,200	33,700	15,500	37,200	29,300	130		
140	45.3	44,800	37,400	29,600	12,700	32,800	25,500	140		
150	40.8	40,000	33,200	26,000	10,400	29,000	22,200	150		
160	35.9	35,800	29,600	22,900	8,300	25,800	19,400	160		
170	30.3	31,600	26,500	20,100	6,500	22,800	16,900	170		
180	23.4	27,700	23,600	17,700	4,800	20,200	14,600	180		
190	13.5	23,800	21,000	15,400	3,300	17,800	12,600	190		

**Prohibited**

**Note: Refer To Page 23 For "Capacity Deductions" Caused By Any Attachment At The Boom Tip.**

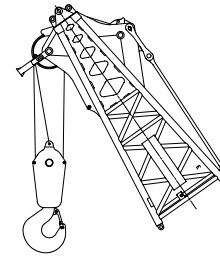
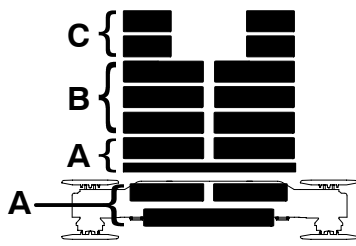
Not for crane operations


**Main Boom Capacities – 200' Heavy Duty Boom**

Load Radius (ft)	Boom Angle (deg)	Over End Blocked	360° Rotation						Load Radius (ft)	
			Side Frames Extended			Side Frames Retracted				
			ABC+A CTWT (lb)	ABC+A CTWT (lb)	AB+A CTWT (lb)	A+A CTWT (lb)	ABC+A CTWT (lb)	AB+A CTWT (lb)		A+A CTWT (lb)
			Curve 1	Curve 2	Curve 3	Curve 4	Curve 5	Curve 6		Curve 7
31.36	83.0	258,400	258,400	258,400	184,500	258,400	250,400	<b>Prohibited</b>	31.36	
35	81.9	250,700	250,700	244,600	153,200	249,200	211,300		35	
40	80.5	236,600	233,600	198,700	123,200	204,700	173,100		40	
50	77.6	181,700	168,300	142,400	86,400	148,900	125,200		50	
60	74.6	144,800	129,800	109,200	64,700	115,400	96,400		60	
70	71.6	119,400	104,400	87,300	50,400	93,000	77,100		70	
80	68.5	99,900	86,400	71,800	40,300	76,900	63,400		80	
90	65.4	85,100	72,900	60,200	32,700	64,900	53,000		90	
100	62.2	74,000	62,500	51,200	26,800	55,500	45,000		100	
110	58.9	64,300	54,200	44,000	22,100	48,000	38,500		110	
120	55.5	56,400	47,400	38,100	18,200	41,800	33,200		120	
130	51.9	49,800	41,700	33,200	15,000	36,700	28,800		130	
140	48.1	44,000	36,900	29,100	12,200	32,300	25,000		140	
150	44.1	39,500	32,700	25,500	9,900	28,500	21,700		150	
160	39.7	35,100	29,100	22,400	7,800	25,300	18,900		160	
170	34.9	31,000	26,000	19,700	6,000	22,400	16,400		170	
180	29.5	27,300	23,200	17,200	4,400	19,800	14,200		180	
190	22.8	23,800	20,600	15,000	2,900	17,500	12,200		190	
200	13.2	20,300	18,300	13,000	–	15,300	10,300		200	

**Note: Refer To Page 23 For “Capacity Deductions” Caused By Any Attachment At The Boom Tip.**

Not for crane operations

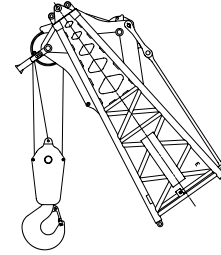
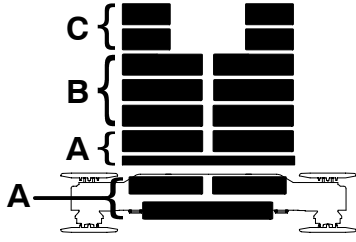

**Main Boom Capacities – 210' Heavy Duty Boom**

Load Radius (ft)	Boom Angle (deg)	Over End Blocked	360° Rotation						Load Radius (ft)	
			Side Frames Extended			Side Frames Retracted				
			ABC+A CTWT (lb)	ABC+A CTWT (lb)	AB+A CTWT (lb)	A+A CTWT (lb)	ABC+A CTWT (lb)	AB+A CTWT (lb)		A+A CTWT (lb)
			Curve 1	Curve 2	Curve 3	Curve 4	Curve 5	Curve 6		Curve 7
32.58	83.0	234,000	234,000	234,000	172,700	234,000	234,000	32.58		
35	82.3	231,100	231,100	231,100	153,000	231,100	211,100	35		
40	81.0	225,300	225,300	198,400	122,900	204,400	172,800	40		
50	78.2	180,400	168,000	142,100	86,100	148,500	124,800	50		
60	75.4	143,500	129,400	108,800	64,300	114,900	95,900	60		
70	72.5	118,200	104,000	86,900	50,000	92,500	76,700	70		
80	69.6	98,800	85,900	71,300	39,800	76,400	62,900	80		
90	66.7	84,000	72,400	59,700	32,200	64,400	52,500	90		
100	63.6	73,100	62,000	50,700	26,300	55,000	44,400	100		
110	60.5	63,500	53,700	43,500	21,500	47,500	38,000	110		
120	57.3	55,500	46,800	37,600	17,700	41,300	32,700	120		
130	54.0	48,800	41,200	32,700	14,500	36,200	28,200	130		
140	50.5	43,100	36,400	28,600	11,700	31,800	24,500	140		
150	46.9	38,900	32,200	25,000	9,400	28,000	21,200	150		
160	42.9	34,300	28,600	21,900	7,300	24,700	18,400	160		
170	38.7	30,300	25,500	19,200	5,500	21,900	15,900	170		
180	34.1	26,700	22,700	16,800	3,900	19,300	13,700	180		
190	28.7	23,400	20,200	14,600	2,500	17,000	11,700	190		
200	22.2	20,300	17,900	12,600	–	14,900	9,900	200		
210	12.8	17,100	15,800	10,700	–	13,000	8,200	210		

Prohibited

**Note: Refer To Page 23 For “Capacity Deductions” Caused By Any Attachment At The Boom Tip.**

Not for crane operations

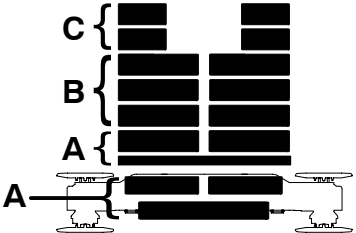
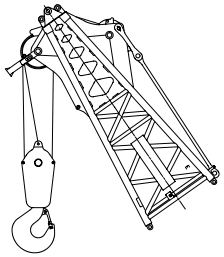


**Main Boom Capacities – 220' Heavy Duty Boom**

Load Radius (ft)	Boom Angle (deg)	Over End Blocked	360° Rotation						Load Radius (ft)	
			Side Frames Extended			Side Frames Retracted				
			ABC+A CTWT (lb)	ABC+A CTWT (lb)	AB+A CTWT (lb)	A+A CTWT (lb)	ABC+A CTWT (lb)	AB+A CTWT (lb)		A+A CTWT (lb)
			Curve 1	Curve 2	Curve 3	Curve 4	Curve 5	Curve 6		Curve 7
33.79	83.0	210,000	210,000	210,000	<b>Prohibited</b>	210,000	210,000	<b>Prohibited</b>	33.79	
35	82.7	210,000	210,000	210,000		210,000	210,000		35	
40	81.4	207,400	207,400	198,200		204,100	172,500		40	
50	78.7	179,100	167,600	141,700		148,100	124,400		50	
60	76.0	142,300	129,000	108,400		114,500	95,500		60	
70	73.3	117,000	103,500	86,400		92,000	76,200		70	
80	70.6	97,600	85,400	70,900		75,900	62,400		80	
90	67.8	82,900	72,000	59,200		63,900	52,000		90	
100	64.9	72,000	61,500	50,200		54,500	43,900		100	
110	62.0	62,400	53,100	43,000		46,900	37,400		110	
120	59.0	54,500	46,300	37,100		40,800	32,100		120	
130	55.9	47,900	40,600	32,200		35,600	27,700		130	
140	52.7	42,200	35,800	28,000		31,200	23,900		140	
150	49.3	38,000	31,700	24,500		27,500	20,700		150	
160	45.7	33,500	28,100	21,400		24,200	17,900		160	
170	41.9	29,600	25,000	18,700		21,300	15,400		170	
180	37.8	26,000	22,200	16,200		18,800	13,200		180	
190	33.2	22,800	19,700	14,100		16,500	11,200		190	
200	28.0	19,800	17,500	12,100		14,400	9,400		200	
210	21.7	17,000	15,400	10,300		12,600	7,800		210	
220	12.5	14,100	13,500	8,700	10,800	6,200	220			

**Note: Refer To Page 23 For “Capacity Deductions” Caused By Any Attachment At The Boom Tip.**

Not for crane operations

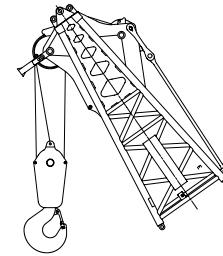
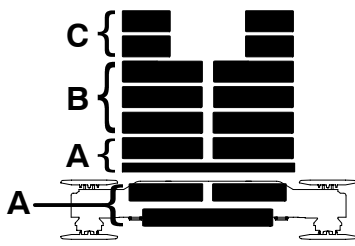



**Main Boom Capacities – 230' Heavy Duty Boom**

Load Radius (ft)	Boom Angle (deg)	Over End Blocked	360° Rotation						Load Radius (ft)	
			Side Frames Extended			Side Frames Retracted				
			ABC+A CTWT (lb)	ABC+A CTWT (lb)	AB+A CTWT (lb)	A+A CTWT (lb)	ABC+A CTWT (lb)	AB+A CTWT (lb)		A+A CTWT (lb)
			Curve 1	Curve 2	Curve 3	Curve 4	Curve 5	Curve 6		Curve 7
35.01	83.0	189,200	189,200	189,200	<b>Prohibited</b>	189,200	189,200	35.01		
40	81.7	186,900	186,900	186,900		186,900	172,100	40		
50	79.2	177,800	167,200	141,300		147,700	124,000	50		
60	76.7	141,100	128,600	108,000		114,000	95,000	60		
70	74.1	115,900	103,100	86,000		91,500	75,700	70		
80	71.5	96,500	85,000	70,400		75,400	61,900	80		
90	68.8	81,800	71,500	58,700		63,400	51,500	90		
100	66.1	70,900	61,000	49,700		54,000	43,400	100		
110	63.3	61,400	52,600	42,500		46,400	36,900	110		
120	60.5	53,500	45,800	36,600		40,200	31,600	120		
130	57.6	46,900	40,100	31,700		35,100	27,200	130		
140	54.5	41,200	35,300	27,500		30,700	23,400	140		
150	51.4	37,100	31,200	23,900		26,900	20,200	150		
160	48.1	32,600	27,600	20,800		23,700	17,300	160		
170	44.6	28,700	24,400	18,100		20,800	14,900	170		
180	40.9	25,200	21,700	15,700		18,300	12,700	180		
190	36.9	22,100	19,200	13,600		16,000	10,700	190		
200	32.5	19,200	16,900	11,600		13,900	8,900	200		
210	27.4	16,500	14,900	9,900		12,100	7,300	210		
220	21.2	14,000	13,000	8,200		10,400	5,800	220		
230	12.2	11,300	11,300	6,700		8,700	4,400	230		

**Note: Refer To Page 23 For “Capacity Deductions” Caused By Any Attachment At The Boom Tip.**

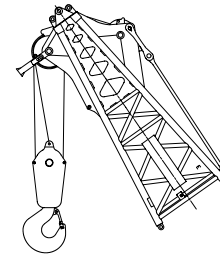
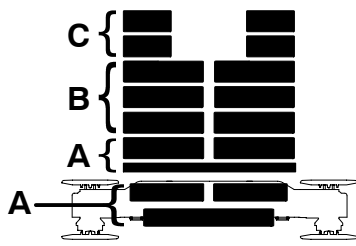
Not for crane operations


**Main Boom Capacities – 240' Heavy Duty Boom**

Load Radius (ft)	Boom Angle (deg)	Over End Blocked	360° Rotation						Load Radius (ft)	
			Side Frames Extended			Side Frames Retracted				
			ABC+A CTWT (lb)	ABC+A CTWT (lb)	AB+A CTWT (lb)	A+A CTWT (lb)	ABC+A CTWT (lb)	AB+A CTWT (lb)		A+A CTWT (lb)
			Curve 1	Curve 2	Curve 3	Curve 4	Curve 5	Curve 6		Curve 7
36.23	83.0	171,700	171,700	171,700	<b>Prohibited</b>	171,700	171,700	36.23		
40	82.1	169,500	169,500	169,500		169,500	169,500	40		
50	79.7	167,400	166,900	141,000		147,300	123,600	50		
60	77.2	139,900	128,100	107,600		113,600	94,600	60		
70	74.8	114,700	102,600	85,500		91,000	75,200	70		
80	72.3	95,400	84,500	69,900		74,900	61,400	80		
90	69.7	81,600	70,900	58,200		62,800	51,000	90		
100	67.2	69,900	60,500	49,200		53,400	42,900	100		
110	64.5	60,400	52,100	41,900		45,900	36,400	110		
120	61.8	52,500	45,300	36,000		39,700	31,100	120		
130	59.1	45,900	39,600	31,100		34,500	26,600	130		
140	56.2	40,700	34,800	27,000		30,200	22,800	140		
150	53.3	36,100	30,600	23,400		26,400	19,600	150		
160	50.2	31,700	27,000	20,300		23,100	16,800	160		
170	47.0	27,900	23,900	17,600		20,300	14,300	170		
180	43.6	24,400	21,100	15,200		17,700	12,100	180		
190	40.0	21,300	18,600	13,000		15,500	10,200	190		
200	36.1	18,500	16,400	11,100		13,400	8,400	200		
210	31.8	15,900	14,400	9,400		11,600	6,800	210		
220	26.8	13,500	12,600	7,800		9,900	5,300	220		
230	20.7	11,100	10,900	6,300		8,300	4,000	230		
240	12.0	8,700	8,700	4,800		6,800	2,600	240		

**Note: Refer To Page 23 For “Capacity Deductions” Caused By Any Attachment At The Boom Tip.**

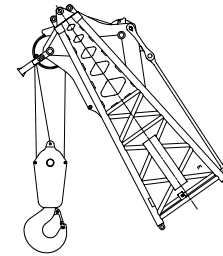
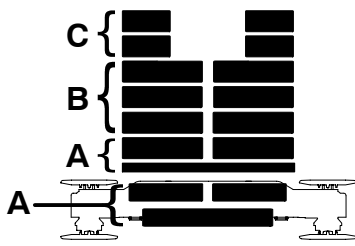
Not for crane operations


**Main Boom Capacities – 250' Heavy Duty Boom**

Load Radius (ft)	Boom Angle (deg)	Over End Blocked	360° Rotation						Load Radius (ft)	
			Side Frames Extended			Side Frames Retracted				
			ABC+A CTWT (lb)	ABC+A CTWT (lb)	AB+A CTWT (lb)	A+A CTWT (lb)	ABC+A CTWT (lb)	AB+A CTWT (lb)		A+A CTWT (lb)
			Curve 1	Curve 2	Curve 3	Curve 4	Curve 5	Curve 6		Curve 7
37.45	83.0	153,400	153,400	153,400	<b>Prohibited</b>	153,400	<b>Prohibited</b>	37.45		
40	82.4	153,400	153,400	153,400		153,400		40		
50	80.1	151,500	151,500	140,800		147,100		50		
60	77.7	143,900	127,800	107,200		113,200		60		
70	75.4	121,600	102,100	85,000		90,500		70		
80	73.0	99,800	83,900	69,300		74,300		80		
90	70.6	83,800	70,300	57,600		62,200		90		
100	68.1	71,400	59,800	48,500		52,700		100		
110	65.6	61,600	51,300	41,200		45,100		110		
120	63.1	53,600	44,500	35,300		38,900		120		
130	60.5	47,000	38,800	30,300		33,700		130		
140	57.8	41,400	33,900	26,100		29,300		140		
150	55.0	36,700	29,800	22,500		25,500		150		
160	52.1	32,500	26,200	19,400		22,200		160		
170	49.1	28,900	23,000	16,700		19,400		170		
180	46.0	25,700	20,200	14,300		16,800		180		
190	42.7	22,900	17,700	12,100		14,500		190		
200	39.2	20,400	15,500	10,200		12,500		200		
210	35.3	18,100	13,500	8,400		10,600		210		
220	31.1	16,000	11,600	6,800		8,900		220		
230	26.2	14,100	10,000	5,400	7,400	230				
240	20.3	12,300	8,400	4,000	5,900	240				
250	11.7	10,600	6,900	2,700	4,500	250				

**Note: Refer To Page 23 For “Capacity Deductions” Caused By Any Attachment At The Boom Tip.**

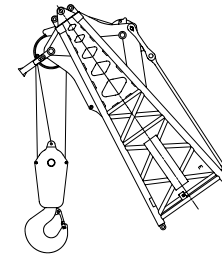
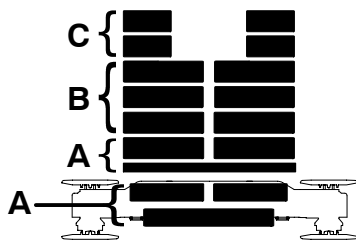
Not for crane operations


**Main Boom Capacities – 260' Heavy Duty Boom**

Load Radius (ft)	Boom Angle (deg)	Over End Blocked	360° Rotation						Load Radius (ft)	
			Side Frames Extended			Side Frames Retracted				
			ABC+A CTWT (lb)	ABC+A CTWT (lb)	AB+A CTWT (lb)	A+A CTWT (lb)	ABC+A CTWT (lb)	AB+A CTWT (lb)		A+A CTWT (lb)
			Curve 1	Curve 2	Curve 3	Curve 4	Curve 5	Curve 6		Curve 7
38.67	83.0	140,800	140,800	<b>Prohibited</b>	<b>Prohibited</b>	140,800		38.67		
40	82.7	140,800	140,800			140,800		40		
50	80.5	138,100	138,100			138,100		50		
60	78.2	131,200	127,400			112,700		60		
70	76.0	118,100	101,700			90,000		70		
80	73.7	99,400	83,400			73,800		80		
90	71.4	83,300	69,800			61,700		90		
100	69.0	70,900	59,300			52,200		100		
110	66.6	61,100	50,800			44,600		110		
120	64.2	53,100	44,000			38,400		120		
130	61.7	46,500	38,200			33,200		130		
140	59.2	40,900	33,400			28,800		140		
150	56.5	36,100	29,200			25,000		150		
160	53.8	32,000	25,600			21,700		160		
170	51.0	28,400	22,500			18,800		170		
180	48.1	25,200	19,700			16,300		180		
190	45.1	22,400	17,200			14,000		190		
200	41.8	19,900	15,000			11,900		200		
210	38.4	17,600	13,000			10,100		210		
220	34.6	15,500	11,100			8,400		220		
230	30.5	13,600	9,500			6,900		230		
240	25.7	11,900	7,900			5,400		240		
250	19.9	10,200	6,400			4,100		250		
260	11.5	8,700	5,000			2,800		260		

Note: Refer To Page 23 For “Capacity Deductions” Caused By Any Attachment At The Boom Tip.

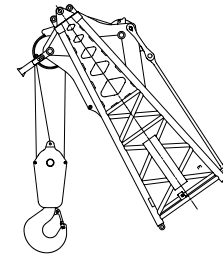
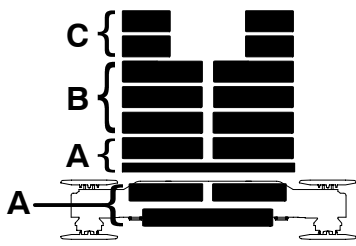
Not for crane operations



**Main Boom Capacities – 270' Heavy Duty Boom**

Load Radius (ft)	Boom Angle (deg)	Over End Blocked	360° Rotation						Load Radius (ft)	
			Side Frames Extended			Side Frames Retracted				
			ABC+A CTWT (lb)	ABC+A CTWT (lb)	AB+A CTWT (lb)	A+A CTWT (lb)	ABC+A CTWT (lb)	AB+A CTWT (lb)		A+A CTWT (lb)
			Curve 1	Curve 2	Curve 3	Curve 4	Curve 5	Curve 6		Curve 7
39.89	83.0	128,500	128,500	<b>Prohibited</b>	<b>Prohibited</b>	128,500	<b>Prohibited</b>	39.89		
40	83.0	128,500	128,500			128,500		40		
50	80.8	126,900	126,900			126,900		50		
60	78.7	118,200	118,200			112,300		60		
70	76.5	109,300	101,200			89,600		70		
80	74.3	98,900	82,900			73,300		80		
90	72.1	82,800	69,300			61,100		90		
100	69.8	70,400	58,700			51,600		100		
110	67.5	60,600	50,300			44,000		110		
120	65.2	52,600	43,400			37,800		120		
130	62.8	46,000	37,700			32,600		130		
140	60.4	40,400	32,800			28,200		140		
150	57.9	35,600	28,700			24,400		150		
160	55.4	31,500	25,100			21,100		160		
170	52.7	27,900	21,900			18,300		170		
180	50.0	24,700	19,100			15,700		180		
190	47.2	21,900	16,700			13,400		190		
200	44.2	19,300	14,400			11,400		200		
210	41.0	17,000	12,400			9,600		210		
220	37.6	15,000	10,600			7,900		220		
230	33.9	13,100	8,900			6,300		230		
240	29.9	11,400	7,400			4,900		240		
250	25.2	9,700	6,000			3,600		250		
260	19.5	8,200	4,600			2,400		260		
270	11.3	6,800	3,300			–		270		

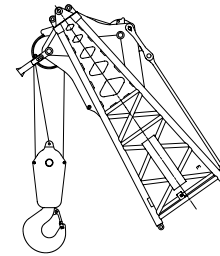
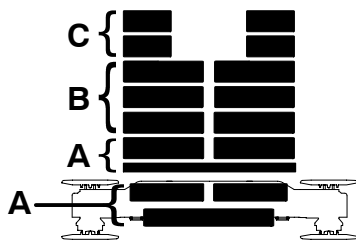
Note: Refer To Page 23 For “Capacity Deductions” Caused By Any Attachment At The Boom Tip.



**Main Boom Capacities – 280’ Heavy Duty Boom**

Load Radius (ft)	Boom Angle (deg)	Over End Blocked	360° Rotation						Load Radius (ft)	
			Side Frames Extended			Side Frames Retracted				
			ABC+A CTWT (lb)	ABC+A CTWT (lb)	AB+A CTWT (lb)	A+A CTWT (lb)	ABC+A CTWT (lb)	AB+A CTWT (lb)		A+A CTWT (lb)
			Curve 1	Curve 2	Curve 3	Curve 4	Curve 5	Curve 6		Curve 7
41.11	83.0	115,500	115,500	<b>Prohibited</b>	<b>Prohibited</b>	115,500	<b>Prohibited</b>	<b>Prohibited</b>	41.11	
50	81.2	114,100	114,100			114,100			50	
60	79.1	108,400	108,400			108,400			60	
70	77.0	100,200	100,200			89,100			70	
80	74.9	91,500	82,500			72,800			80	
90	72.7	82,300	68,800			60,600			90	
100	70.6	69,900	58,200			51,100			100	
110	68.4	60,100	49,800			43,500			110	
120	66.2	52,100	42,900			37,300			120	
130	63.9	45,400	37,200			32,100			130	
140	61.6	39,800	32,300			27,700			140	
150	59.2	35,100	28,100			23,900			150	
160	56.8	30,900	24,500			20,600			160	
170	54.3	27,300	21,400			17,700			170	
180	51.7	24,100	18,600			15,200			180	
190	49.0	21,300	16,100			12,900			190	
200	46.2	18,800	13,900			10,800			200	
210	43.3	16,500	11,900			9,000			210	
220	40.2	14,400	10,100			7,300			220	
230	36.9	12,600	8,400			5,800			230	
240	33.3	10,800	6,900	4,400	240					
250	29.3	9,200	5,400	3,100	250					
260	24.7	7,700	4,100	–	260					
270	19.1	6,400	2,900	–	270					
280	11.0	5,000	–	–	280					

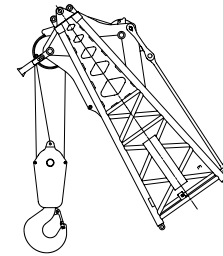
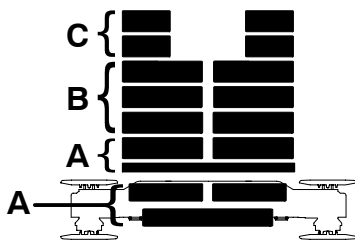
**Note: Refer To Page 23 For “Capacity Deductions” Caused By Any Attachment At The Boom Tip.**


**Main Boom Capacities – 290' Heavy Duty Boom**

Load Radius (ft)	Boom Angle (deg)	Over End Blocked	360° Rotation						Load Radius (ft)	
			Side Frames Extended			Side Frames Retracted				
			ABC+A CTWT (lb)	ABC+A CTWT (lb)	AB+A CTWT (lb)	A+A CTWT (lb)	ABC+A CTWT (lb)	AB+A CTWT (lb)		A+A CTWT (lb)
			Curve 1	Curve 2	Curve 3	Curve 4	Curve 5	Curve 6		Curve 7
42.33	83.0	106,600	106,600	<b>Prohibited</b>	<b>Prohibited</b>	106,600	106,600	42.33		
50	81.5	105,300	105,300			105,300	50			
60	79.5	100,000	100,000			100,000	60			
70	77.4	92,500	92,500			88,600	70			
80	75.4	84,400	82,000			72,300	80			
90	73.3	74,900	68,300			60,100	90			
100	71.3	68,400	57,700			50,600	100			
110	69.2	59,600	49,300			43,000	110			
120	67.0	51,600	42,400			36,700	120			
130	64.9	44,900	36,600			31,500	130			
140	62.6	39,300	31,800			27,100	140			
150	60.4	34,500	27,600			23,300	150			
160	58.1	30,400	24,000			20,000	160			
170	55.7	26,800	20,800			17,100	170			
180	53.3	23,600	18,000			14,600	180			
190	50.7	20,800	15,600			12,300	190			
200	48.1	18,200	13,300			10,300	200			
210	45.4	16,000	11,300			8,400	210			
220	42.5	13,900	9,500			6,800	220			
230	39.5	12,000	7,800			5,200	230			
240	36.2	10,300	6,300			3,800	240			
250	32.7	8,700	4,900			2,500	250			
260	28.8	7,200	3,600			–	260			
270	24.3	5,900	2,400			–	270			
280	18.8	4,400	–			–	280			
290	10.8	2,900	–			–	290			

Note: Refer To Page 23 For “Capacity Deductions” Caused By Any Attachment At The Boom Tip.

Not for crane operations

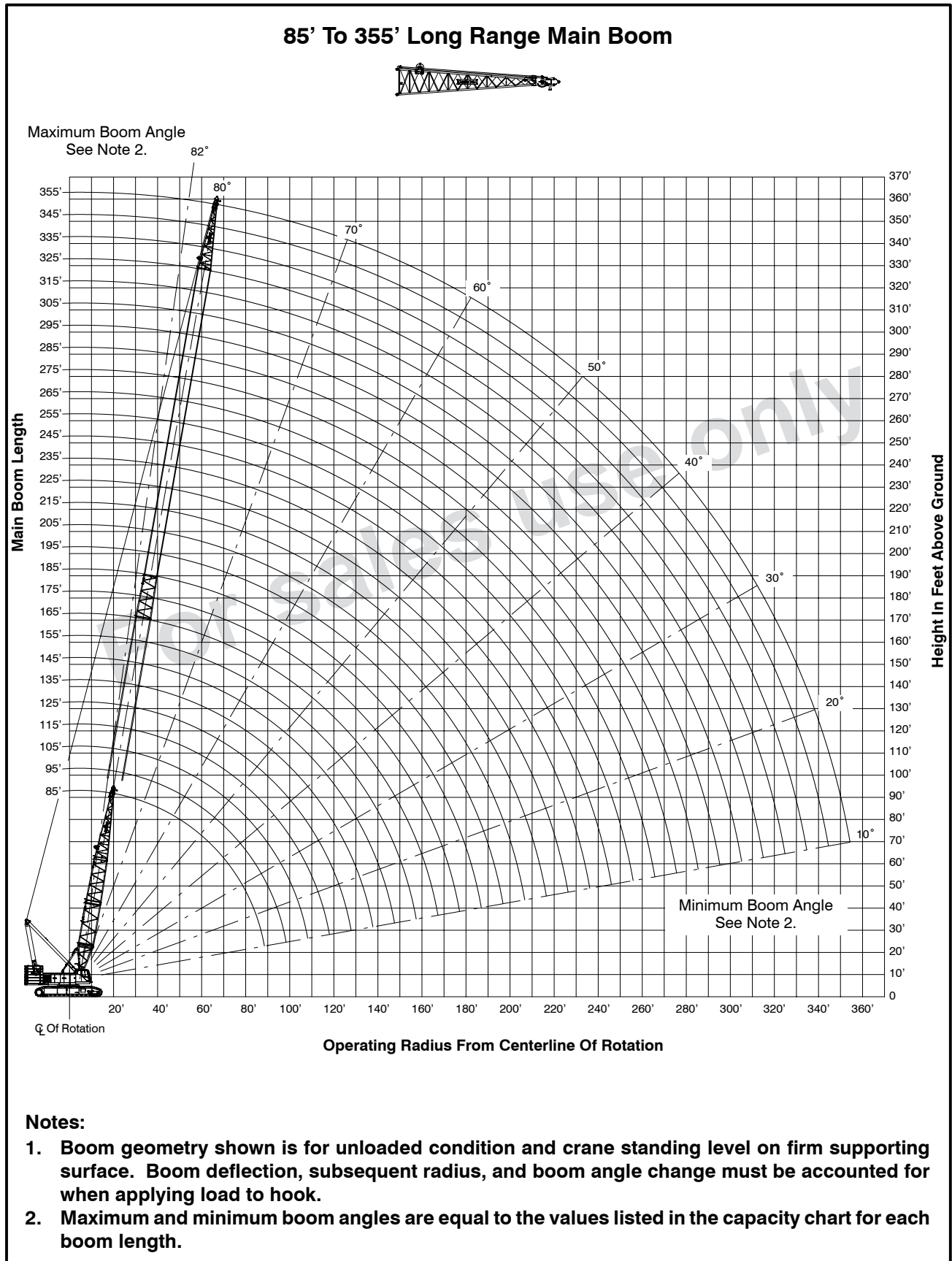

**Main Boom Capacities – 300' Heavy Duty Boom**

Load Radius (ft)	Boom Angle (deg)	Over End Blocked	360° Rotation						Load Radius (ft)	
			Side Frames Extended			Side Frames Retracted				
			ABC+A CTWT (lb)	ABC+A CTWT (lb)	AB+A CTWT (lb)	A+A CTWT (lb)	ABC+A CTWT (lb)	AB+A CTWT (lb)		A+A CTWT (lb)
			Curve 1	Curve 2	Curve 3	Curve 4	Curve 5	Curve 6		Curve 7
43.54	83.0	98,100	98,100	<b>Prohibited</b>	<b>Prohibited</b>	98,100	<b>Prohibited</b>	<b>Prohibited</b>	43.54	
50	81.8	97,500	97,500			97,500			50	
60	79.8	92,600	92,600			92,600			60	
70	77.9	84,500	84,500			84,500			70	
80	75.9	75,500	75,500			71,800			80	
90	73.9	68,900	67,800			59,600			90	
100	71.9	63,300	57,200			50,100			100	
110	69.9	57,700	48,700			42,400			110	
120	67.8	51,000	41,800			36,200			120	
130	65.8	44,400	36,100			31,000			130	
140	63.6	38,800	31,200			26,500			140	
150	61.5	34,000	27,000			22,700			150	
160	59.3	29,800	23,400			19,500			160	
170	57.0	26,200	20,300			16,600			170	
180	54.7	23,000	17,500			14,000			180	
190	52.3	20,200	15,000			11,700			190	
200	49.8	17,700	12,800			9,700			200	
210	47.3	15,400	10,800			7,900			210	
220	44.6	13,300	8,900			6,200			220	
230	41.8	11,500	7,300			4,700			230	
240	38.8	9,700	5,800			3,300			240	
250	35.6	8,200	4,400			2,000			250	
260	32.1	6,700	3,100			–			260	
270	28.3	5,200	–			–			270	
280	23.9	3,700	–			–			280	
290	18.5	2,200	–			–			290	

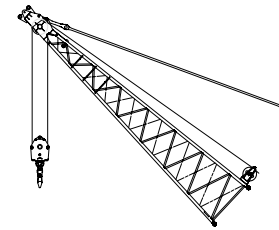
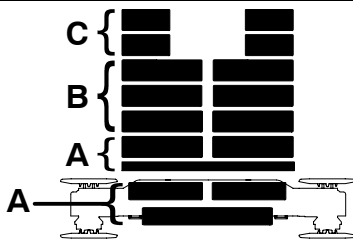
Note: Refer To Page 23 For “Capacity Deductions” Caused By Any Attachment At The Boom Tip.

Not for crane operations

## Working Range Diagram – Long Range Boom



Not for crane operations


**Main Boom Capacities – 85' Long Range Boom**

Load Radius (ft)	Boom Angle (deg)	Over End Blocked	360° Rotation						Load Radius (ft)	
			Side Frames Extended			Side Frames Retracted				
			ABC+A CTWT (lb)	ABC+A CTWT (lb)	AB+A CTWT (lb)	A+A CTWT (lb)	ABC+A CTWT (lb)	AB+A CTWT (lb)		A+A CTWT (lb)
			Curve 11	Curve 12	Curve 13	Curve 14	Curve 25	Curve 26		Curve 27
16.58	82.0	302,800	302,800	302,800	302,800	<b>Prohibited</b>	302,800	302,800	16.58	
17	81.7	302,200	302,200	302,200	302,200		302,200	302,200	17	
18	81.0	296,500	296,500	296,500	296,500		296,500	296,500	18	
19	80.3	290,900	290,900	290,900	290,900		290,900	290,900	19	
20	79.7	282,700	282,700	282,700	282,700		282,700	282,700	20	
25	76.2	259,800	259,800	259,800	259,800		259,800	229,100	25	
30	72.7	237,800	237,800	237,800	201,900		237,800	170,200	30	
35	69.2	221,500	221,500	221,500	157,600		216,400	134,700	35	
40	65.5	207,600	207,600	203,600	128,700		179,100	111,000	40	
50	57.8	182,300	175,100	148,800	93,300		132,300	81,200	50	
60	49.5	156,700	137,300	116,400	72,300	104,100	63,200	60		
70	39.9	127,500	112,200	95,000	58,300	85,200	51,100	70		
80	27.7	106,800	94,400	79,600	48,300	71,500	42,300	80		

**Note: Refer To Page 24 For “Capacity Deductions” Caused By Any Attachment At The Boom Tip.**

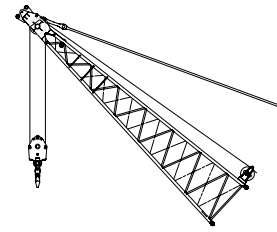
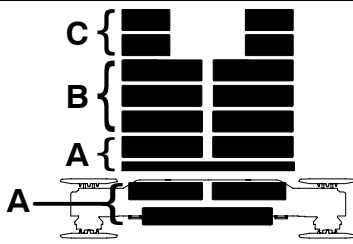
Not for crane operations


**Main Boom Capacities – 105' Long Range Boom**

Load Radius (ft)	Boom Angle (deg)	Over End Blocked	360° Rotation						Load Radius (ft)	
			Side Frames Extended			Side Frames Retracted				
			ABC+A CTWT (lb)	ABC+A CTWT (lb)	AB+A CTWT (lb)	A+A CTWT (lb)	ABC+A CTWT (lb)	AB+A CTWT (lb)		A+A CTWT (lb)
			Curve 11	Curve 12	Curve 13	Curve 14	Curve 25	Curve 26		Curve 27
19.36	82.0	275,900	275,900	275,900	275,900	<b>Prohibited</b>	275,900	275,900	19.36	
20	81.6	272,500	272,500	272,500	272,500		272,500	272,500	20	
25	78.9	248,600	248,600	248,600	248,600		248,600	229,700	25	
30	76.1	226,900	226,900	226,900	202,400		226,900	170,500	30	
35	73.3	209,900	209,900	209,900	157,900		209,900	134,800	35	
40	70.4	192,800	192,800	192,800	128,800		179,100	111,000	40	
50	64.5	169,300	169,300	148,800	93,200		132,200	81,100	50	
60	58.3	148,700	137,200	116,300	72,200		104,000	63,100	60	
70	51.6	127,500	112,200	94,900	58,300		85,100	51,000	70	
80	44.2	106,900	94,400	79,600	48,300		71,500	42,300	80	
90	35.7	91,600	81,100	68,200	40,800	61,300	35,700	90		
100	24.9	79,800	70,600	59,200	34,900	53,200	30,400	100		

**Note: Refer To Page 24 For “Capacity Deductions” Caused By Any Attachment At The Boom Tip.**

Not for crane operations


**Main Boom Capacities – 115' Long Range Boom**

Load Radius (ft)	Boom Angle (deg)	Over End Blocked	360° Rotation						Load Radius (ft)
			Side Frames Extended			Side Frames Retracted			
			ABC+A CTWT (lb)	AB+A CTWT (lb)	A+A CTWT (lb)	ABC+A CTWT (lb)	AB+A CTWT (lb)	A+A CTWT (lb)	
			Curve 11	Curve 12	Curve 13	Curve 14	Curve 25	Curve 26	
20.75	82.0	264,400	264,400	264,400	264,400	<b>Prohibited</b>	264,400	264,400	20.75
25	79.9	241,200	241,200	241,200	241,200		241,200	229,900	25
30	77.3	221,600	221,600	221,600	202,500		221,600	170,500	30
35	74.7	205,000	205,000	205,000	157,900		205,000	134,800	35
40	72.2	188,300	188,300	188,300	128,800		178,900	110,900	40
50	66.8	164,800	164,800	148,600	93,100		132,000	80,900	50
60	61.3	144,200	137,000	116,200	72,000		103,800	62,800	60
70	55.4	127,300	112,000	94,700	58,100		84,900	50,700	70
80	49.1	106,800	94,200	79,400	48,100		71,300	42,100	80
90	42.2	91,500	80,900	68,000	40,700		61,100	35,500	90
100	34.1	79,700	70,500	59,100	34,800	53,100	30,300	100	
110	23.8	70,200	62,100	51,900	30,100	46,500	26,100	110	

**Note: Refer To Page 24 For “Capacity Deductions” Caused By Any Attachment At The Boom Tip.**

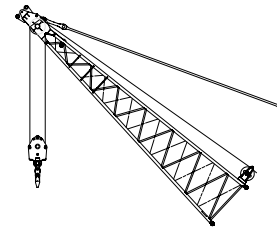
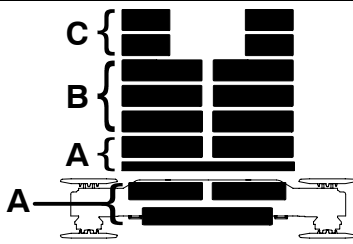
Not for crane operations


**Main Boom Capacities – 125' Long Range Boom**

Load Radius (ft)	Boom Angle (deg)	Over End Blocked	360° Rotation						Load Radius (ft)	
			Side Frames Extended			Side Frames Retracted				
			ABC+A CTWT (lb)	ABC+A CTWT (lb)	AB+A CTWT (lb)	A+A CTWT (lb)	ABC+A CTWT (lb)	AB+A CTWT (lb)		A+A CTWT (lb)
			Curve 11	Curve 12	Curve 13	Curve 14	Curve 25	Curve 26		Curve 27
22.15	82.0	252,800	252,800	252,800	252,800	<b>Prohibited</b>	252,800	252,800	22.15	
25	80.7	237,000	237,000	237,000	237,000		237,000	230,000	25	
30	78.3	217,700	217,700	217,700	202,500		217,700	170,500	30	
35	76.0	198,000	198,000	198,000	157,800		198,000	134,600	35	
40	73.6	184,400	184,400	184,400	128,600		178,700	110,700	40	
50	68.8	157,900	157,900	148,400	92,900		131,700	80,600	50	
60	63.8	140,100	136,700	115,900	71,700		103,500	62,600	60	
70	58.5	124,800	111,700	94,400	57,800		84,600	50,400	70	
80	53.0	106,500	93,900	79,100	47,800		71,000	41,800	80	
90	47.0	91,300	80,600	67,700	40,400		60,800	35,200	90	
100	40.4	79,500	70,300	58,800	34,600		52,800	30,100	100	
110	32.6	70,100	62,000	51,700	29,900		46,400	25,900	110	
120	22.8	62,300	55,100	45,800	26,000	41,000	22,400	120		

**Note: Refer To Page 24 For “Capacity Deductions” Caused By Any Attachment At The Boom Tip.**

Not for crane operations


**Main Boom Capacities – 135' Long Range Boom**

Load Radius (ft)	Boom Angle (deg)	Over End Blocked	360° Rotation						Load Radius (ft)
			Side Frames Extended			Side Frames Retracted			
			ABC+A CTWT (lb)	AB+A CTWT (lb)	A+A CTWT (lb)	ABC+A CTWT (lb)	AB+A CTWT (lb)	A+A CTWT (lb)	
			Curve 11	Curve 12	Curve 13	Curve 14	Curve 25	Curve 26	
23.54	82.0	239,500	239,500	239,500	239,500	<b>Prohibited</b>	239,500	239,500	23.54
25	81.4	233,500	233,500	233,500	233,500		233,500	230,000	25
30	79.2	213,800	213,800	213,800	202,500		213,800	170,400	30
35	77.1	194,400	194,400	194,400	157,700		194,400	134,400	35
40	74.9	180,500	180,500	180,500	128,400		178,500	110,400	40
50	70.4	154,500	154,500	148,200	92,600		131,500	80,300	50
60	65.8	136,600	136,400	115,600	71,400		103,100	62,200	60
70	61.1	118,700	111,400	94,100	57,500		84,200	50,100	70
80	56.1	106,100	93,600	78,800	47,500		70,600	41,400	80
90	50.8	90,900	80,300	67,400	40,100		60,400	34,900	90
100	45.1	79,200	70,000	58,500	34,300		52,500	29,700	100
110	38.8	69,800	61,700	51,400	29,600		46,100	25,600	110
120	31.4	62,100	54,900	45,500	25,800		40,800	22,100	120
130	21.9	55,700	49,100	40,600	22,500	36,300	19,200	130	

**Note: Refer To Page 24 For “Capacity Deductions” Caused By Any Attachment At The Boom Tip.**

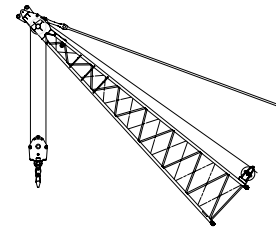
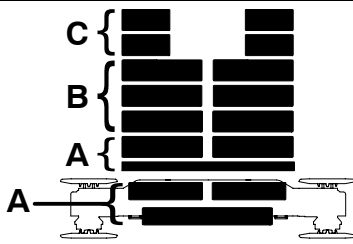
Not for crane operations


**Main Boom Capacities – 145' Long Range Boom**

Load Radius (ft)	Boom Angle (deg)	Over End Blocked	360° Rotation						Load Radius (ft)
			Side Frames Extended			Side Frames Retracted			
		ABC+A CTWT (lb)	ABC+A CTWT (lb)	AB+A CTWT (lb)	A+A CTWT (lb)	ABC+A CTWT (lb)	AB+A CTWT (lb)	A+A CTWT (lb)	
		Curve 11	Curve 12	Curve 13	Curve 14	Curve 25	Curve 26	Curve 27	
24.93	82.0	229,900	229,900	229,900	229,900	<b>Prohibited</b>	229,900	229,900	24.93
25	82.0	229,900	229,900	229,900	229,900		229,900	229,900	25
30	80.0	209,800	209,800	209,800	202,500		209,800	170,200	30
35	78.0	190,800	190,800	190,800	157,500		190,800	134,200	35
40	75.9	177,100	177,100	177,100	128,200		177,100	110,200	40
50	71.8	151,000	151,000	147,900	92,300		131,100	80,000	50
60	67.6	133,100	133,100	115,300	71,100		102,800	61,900	60
70	63.3	115,600	111,000	93,700	57,100		83,800	49,700	70
80	58.7	103,000	93,200	78,400	47,100		70,300	41,000	80
90	54.0	90,600	79,900	67,000	39,700		60,100	34,500	90
100	48.9	78,800	69,600	58,100	33,900		52,100	29,300	100
110	43.5	69,500	61,300	51,000	29,300		45,700	25,200	110
120	37.4	61,800	54,500	45,200	25,400		40,400	21,800	120
130	30.3	55,400	48,900	40,300	22,200		36,000	18,900	130
140	21.1	50,000	44,000	36,100	19,400	32,200	16,400	140	

**Note: Refer To Page 24 For “Capacity Deductions” Caused By Any Attachment At The Boom Tip.**

Not for crane operations


**Main Boom Capacities – 155' Long Range Boom**

Load Radius (ft)	Boom Angle (deg)	Over End Blocked	360° Rotation						Load Radius (ft)
			Side Frames Extended			Side Frames Retracted			
			ABC+A CTWT (lb)	AB+A CTWT (lb)	A+A CTWT (lb)	ABC+A CTWT (lb)	AB+A CTWT (lb)	A+A CTWT (lb)	
			Curve 11	Curve 12	Curve 13	Curve 14	Curve 25	Curve 26	
26.32	82.0	219,900	219,900	219,900	219,900	<b>Prohibited</b>	219,900	210,600	26.32
30	80.6	203,400	203,400	203,400	202,400		203,400	170,100	30
35	78.7	187,500	187,500	187,500	157,400		187,500	134,000	35
40	76.9	173,500	173,500	173,500	128,000		173,500	109,900	40
50	73.0	148,000	148,000	147,500	92,000		130,800	79,700	50
60	69.1	130,400	130,400	114,900	70,700		102,400	61,500	60
70	65.1	112,900	110,600	93,300	56,700		83,400	49,300	70
80	61.0	100,500	92,800	78,000	46,700		69,800	40,600	80
90	56.6	89,800	79,500	66,600	39,300		59,600	34,000	90
100	52.1	78,300	69,200	57,700	33,500		51,700	28,900	100
110	47.2	69,100	60,900	50,600	28,800		45,300	24,800	110
120	42.0	61,400	54,200	44,800	25,000		40,000	21,400	120
130	36.1	55,100	48,500	39,900	21,800		35,600	18,500	130
140	29.2	49,700	43,700	35,800	19,100		31,800	16,100	140
150	20.4	45,000	39,500	32,200	16,700		28,500	13,900	150

**Note: Refer To Page 24 For “Capacity Deductions” Caused By Any Attachment At The Boom Tip.**

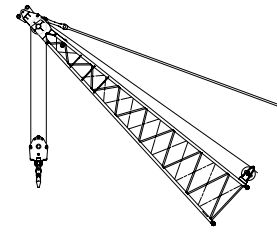
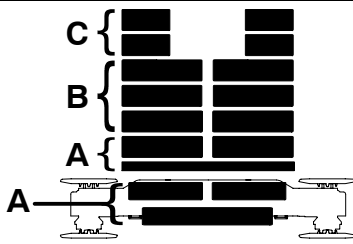
Not for crane operations


**Main Boom Capacities – 165' Long Range Boom**

Load Radius (ft)	Boom Angle (deg)	Over End Blocked	360° Rotation						Load Radius (ft)	
			Side Frames Extended			Side Frames Retracted				
			ABC+A CTWT (lb)	ABC+A CTWT (lb)	AB+A CTWT (lb)	A+A CTWT (lb)	ABC+A CTWT (lb)	AB+A CTWT (lb)		A+A CTWT (lb)
			Curve 11	Curve 12	Curve 13	Curve 14	Curve 25	Curve 26		Curve 27
27.71	82.0	210,700	210,700	210,700	210,700	<b>Prohibited</b>	210,700	193,200	27.71	
30	81.2	200,200	200,200	200,200	200,200		200,200	169,900	30	
35	79.4	183,900	183,900	183,900	157,200		183,900	133,700	35	
40	77.7	170,100	170,100	170,100	127,700		170,100	109,600	40	
50	74.1	145,100	145,100	145,100	91,700		130,400	79,300	50	
60	70.4	127,400	127,400	114,500	70,400		102,000	61,100	60	
70	66.7	110,300	110,200	92,900	56,300		83,000	48,900	70	
80	62.9	97,900	92,400	77,600	46,300		69,400	40,200	80	
90	58.9	87,500	79,100	66,200	38,900		59,200	33,600	90	
100	54.7	76,000	68,700	57,300	33,100		51,200	28,500	100	
110	50.4	68,600	60,500	50,200	28,400		44,800	24,300	110	
120	45.7	61,000	53,700	44,400	24,600		39,600	21,000	120	
130	40.6	54,700	48,100	39,500	21,400		35,200	18,100	130	
140	34.9	49,300	43,300	35,400	18,700		31,400	15,700	140	
150	28.3	44,700	39,200	31,800	16,300		28,200	13,500	150	
160	19.8	40,600	35,500	28,700	14,200		25,300	11,700	160	

**Note: Refer To Page 24 For “Capacity Deductions” Caused By Any Attachment At The Boom Tip.**

Not for crane operations


**Main Boom Capacities – 175' Long Range Boom**

Load Radius (ft)	Boom Angle (deg)	Over End Blocked	360° Rotation						Load Radius (ft)
			Side Frames Extended			Side Frames Retracted			
			ABC+A CTWT (lb)	AB+A CTWT (lb)	A+A CTWT (lb)	ABC+A CTWT (lb)	AB+A CTWT (lb)	A+A CTWT (lb)	
			Curve 11	Curve 12	Curve 13	Curve 14	Curve 25	Curve 26	
29.11	82.0	199,700	199,700	199,700	199,700	<b>Prohibited</b>	199,700	178,200	29.11
30	81.7	196,500	196,500	196,500	196,500		196,500	169,700	30
35	80.0	180,600	180,600	180,600	157,000		180,600	133,500	35
40	78.4	167,000	167,000	167,000	127,500		167,000	109,300	40
50	75.0	142,500	142,500	142,500	91,300		130,000	78,900	50
60	71.6	124,700	124,700	114,100	70,000		101,600	60,600	60
70	68.1	107,900	107,900	92,500	55,900		82,500	48,400	70
80	64.5	95,400	92,000	77,200	45,900		68,900	39,700	80
90	60.8	85,000	78,600	65,700	38,400		58,700	33,100	90
100	57.0	74,100	68,300	56,800	32,600		50,700	28,000	100
110	53.0	66,700	60,000	49,700	28,000		44,400	23,900	110
120	48.8	60,400	53,300	43,900	24,100		39,100	20,500	120
130	44.3	54,200	47,600	39,100	21,000		34,700	17,600	130
140	39.4	48,900	42,900	35,000	18,300		31,000	15,200	140
150	33.9	44,200	38,700	31,400	15,900		27,800	13,100	150
160	27.5	38,600	35,100	28,300	13,900		24,900	11,300	160
170	19.2	35,100	32,000	25,600	12,000	22,400	9,600	170	

**Note: Refer To Page 24 For “Capacity Deductions” Caused By Any Attachment At The Boom Tip.**

Not for crane operations

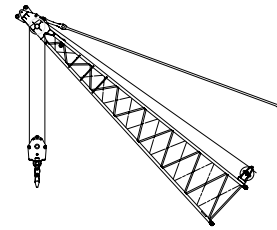
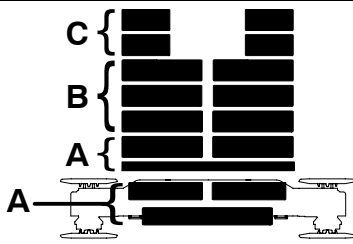


**Main Boom Capacities – 185’ Long Range Boom**

Load Radius (ft)	Boom Angle (deg)	Over End Blocked	360° Rotation						Load Radius (ft)
			Side Frames Extended			Side Frames Retracted			
		ABC+A CTWT (lb)	ABC+A CTWT (lb)	AB+A CTWT (lb)	A+A CTWT (lb)	ABC+A CTWT (lb)	AB+A CTWT (lb)	A+A CTWT (lb)	
		Curve 11	Curve 12	Curve 13	Curve 14	Curve 25	Curve 26	Curve 27	
30.5	82.0	191,600	191,600	191,600	191,600	<b>Prohibited</b>	191,600	165,100	30.5
35	80.6	177,200	177,200	177,200	156,800		177,200	133,200	35
40	79.0	163,900	163,900	163,900	127,200		163,900	108,900	40
50	75.8	139,300	139,300	139,300	90,900		129,600	78,500	50
60	72.6	119,700	119,700	113,700	69,600		101,100	60,200	60
70	69.3	105,500	105,500	92,100	55,400		82,100	48,000	70
80	66.0	93,000	91,500	76,700	45,400		68,500	39,200	80
90	62.6	80,200	78,200	65,300	37,900		58,200	32,600	90
100	59.0	71,900	67,800	56,400	32,100		50,300	27,500	100
110	55.3	64,700	59,500	49,300	27,500		43,900	23,400	110
120	51.5	58,400	52,800	43,400	23,700		38,600	20,000	120
130	47.4	53,000	47,200	38,600	20,500		34,200	17,200	130
140	43.0	48,000	42,400	34,500	17,800		30,500	14,700	140
150	38.3	43,500	38,300	31,000	15,500		27,300	12,700	150
160	32.9	37,200	34,700	27,900	13,400		24,500	10,800	160
170	26.7	33,700	31,600	25,200	11,600		22,000	9,200	170
180	18.7	30,600	28,700	22,700	10,000		19,800	7,700	180

**Note: Refer To Page 24 For “Capacity Deductions” Caused By Any Attachment At The Boom Tip.**

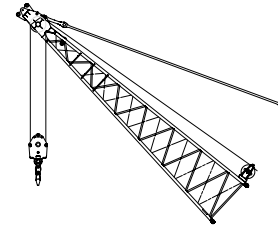
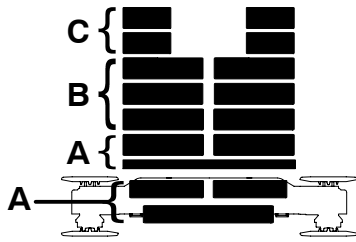
Not for crane operations


**Main Boom Capacities – 195' Long Range Boom**

Load Radius (ft)	Boom Angle (deg)	Over End Blocked	360° Rotation						Load Radius (ft)	
			Side Frames Extended			Side Frames Retracted				
			ABC+A CTWT (lb)	ABC+A CTWT (lb)	AB+A CTWT (lb)	A+A CTWT (lb)	ABC+A CTWT (lb)	AB+A CTWT (lb)		A+A CTWT (lb)
			Curve 11	Curve 12	Curve 13	Curve 14	Curve 25	Curve 26		Curve 27
31.89	82.0	183,400	183,400	183,400	182,200	183,400	183,400	153,600	31.89	
35	81.1	174,200	174,200	174,200	156,500	174,200	174,200	132,900	35	
40	79.6	158,400	158,400	158,400	126,900	158,400	158,400	108,600	40	
50	76.6	136,600	136,600	136,600	90,600	136,600	129,200	78,100	50	
60	73.5	117,400	117,400	113,300	69,100	117,400	100,700	59,800	60	
70	70.5	103,100	103,100	91,600	55,000	97,500	81,600	47,500	70	
80	67.3	90,800	90,800	76,200	45,000	81,600	68,000	38,700	80	
90	64.1	78,300	77,700	64,800	37,500	69,600	57,700	32,100	90	
100	60.8	70,000	67,300	55,900	31,600	60,300	49,800	27,000	100	
110	57.3	62,800	59,000	48,800	27,000	52,900	43,400	22,900	110	
120	53.8	56,500	52,300	42,900	23,200	46,800	38,100	19,500	120	
130	50.0	51,000	46,700	38,100	20,000	41,700	33,700	16,600	130	
140	46.1	46,200	41,900	34,000	17,300	37,300	30,000	14,200	140	
150	41.9	41,800	37,800	30,500	15,000	33,600	26,800	12,200	150	
160	37.2	35,700	34,200	27,400	12,900	30,400	24,000	10,300	160	
170	32.1	32,400	31,100	24,700	11,200	27,500	21,500	8,700	170	
180	26.0	29,300	28,300	22,300	9,600	24,900	19,300	7,300	180	
190	18.2	26,400	25,800	20,100	8,100	22,600	17,300	5,900	190	

**Note: Refer To Page 24 For “Capacity Deductions” Caused By Any Attachment At The Boom Tip.**

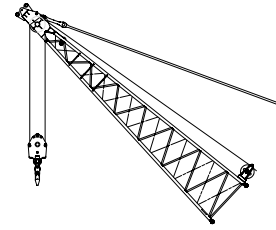
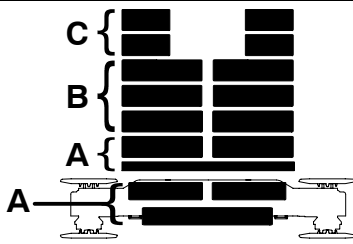
Not for crane operations


**Main Boom Capacities – 205' Long Range Boom**

Load Radius (ft)	Boom Angle (deg)	Over End Blocked	360° Rotation						Load Radius (ft)
			Side Frames Extended			Side Frames Retracted			
			ABC+A CTWT (lb)	AB+A CTWT (lb)	A+A CTWT (lb)	ABC+A CTWT (lb)	AB+A CTWT (lb)	A+A CTWT (lb)	
			Curve 11	Curve 12	Curve 13	Curve 14	Curve 25	Curve 26	
33.28	82.0	175,500	175,500	175,500	169,600	175,500	175,500	143,400	33.28
35	81.5	170,600	170,600	170,600	156,300	170,600	170,600	132,600	35
40	80.1	155,100	155,100	155,100	126,600	155,100	155,100	108,200	40
50	77.2	134,200	134,200	134,200	90,200	134,200	128,800	77,700	50
60	74.4	114,900	114,900	112,800	68,700	114,900	100,200	59,300	60
70	71.4	100,600	100,600	91,200	54,500	97,000	81,100	47,000	70
80	68.5	88,600	88,600	75,800	44,500	81,100	67,500	38,200	80
90	65.4	76,200	76,200	64,300	37,000	69,100	57,200	31,600	90
100	62.3	68,100	66,800	55,400	31,100	59,800	49,200	26,500	100
110	59.1	60,800	58,500	48,300	26,500	52,400	42,800	22,400	110
120	55.8	54,700	51,800	42,400	22,700	46,300	37,600	19,000	120
130	52.3	49,300	46,100	37,600	19,500	41,100	33,200	16,100	130
140	48.7	44,500	41,400	33,500	16,800	36,800	29,500	13,700	140
150	44.9	37,800	37,300	30,000	14,500	33,100	26,300	11,600	150
160	40.8	34,300	33,700	26,900	12,400	29,800	23,500	9,800	160
170	36.3	31,000	30,600	24,200	10,700	27,000	21,000	8,200	170
180	31.3	27,900	27,800	21,800	9,100	24,500	18,800	6,800	180
190	25.4	25,100	25,100	19,700	7,600	22,200	16,900	5,500	190
200	17.7	22,600	22,600	17,700	6,300	20,100	15,100	4,300	200

**Note: Refer To Page 24 For “Capacity Deductions” Caused By Any Attachment At The Boom Tip.**

Not for crane operations


**Main Boom Capacities – 215' Long Range Boom**

Load Radius (ft)	Boom Angle (deg)	Over End Blocked	360° Rotation						Load Radius (ft)
			Side Frames Extended			Side Frames Retracted			
			ABC+A CTWT (lb)	AB+A CTWT (lb)	A+A CTWT (lb)	ABC+A CTWT (lb)	AB+A CTWT (lb)	A+A CTWT (lb)	
			Curve 11	Curve 12	Curve 13	Curve 14	Curve 25	Curve 26	
34.67	82.0	168,000	168,000	168,000	158,400	168,000	168,000	134,200	34.67
35	81.9	167,400	167,400	167,400	156,000	167,400	167,400	132,300	35
40	80.6	152,300	152,300	152,300	126,300	152,300	152,300	107,900	40
50	77.9	131,300	131,300	131,300	89,800	131,300	128,400	77,200	50
60	75.1	112,400	112,400	112,400	68,300	112,400	99,700	58,800	60
70	72.3	98,400	98,400	90,700	54,100	96,500	80,600	46,500	70
80	69.5	86,700	86,700	75,300	44,000	80,600	67,000	37,700	80
90	66.6	74,200	74,200	63,800	36,500	68,600	56,700	31,100	90
100	63.7	66,100	66,100	54,900	30,600	59,300	48,700	26,000	100
110	60.7	59,100	58,000	47,700	26,000	51,800	42,300	21,800	110
120	57.6	53,000	51,300	41,900	22,100	45,700	37,100	18,400	120
130	54.4	47,700	45,600	37,100	19,000	40,600	32,700	15,600	130
140	51.0	42,900	40,900	33,000	16,300	36,300	28,900	13,200	140
150	47.5	36,500	36,500	29,400	13,900	32,600	25,700	11,100	150
160	43.8	32,800	32,800	26,400	11,900	29,300	23,000	9,300	160
170	39.8	29,600	29,600	23,700	10,200	26,500	20,500	7,700	170
180	35.4	26,700	26,700	21,300	8,600	24,000	18,300	6,300	180
190	30.5	24,000	24,000	19,200	7,200	21,700	16,400	5,000	190
200	24.8	21,400	21,400	17,300	5,900	19,600	14,600	3,800	200
210	17.3	19,000	19,000	15,500	4,700	17,800	13,000	2,700	210

**Note: Refer To Page 24 For “Capacity Deductions” Caused By Any Attachment At The Boom Tip.**

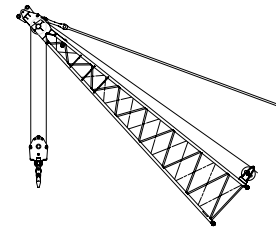
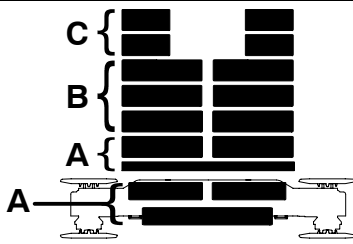
Not for crane operations


**Main Boom Capacities – 225' Long Range Boom**

Load Radius (ft)	Boom Angle (deg)	Over End Blocked	360° Rotation						Load Radius (ft)
			Side Frames Extended			Side Frames Retracted			
		ABC+A CTWT (lb)	ABC+A CTWT (lb)	AB+A CTWT (lb)	A+A CTWT (lb)	ABC+A CTWT (lb)	AB+A CTWT (lb)	A+A CTWT (lb)	
		Curve 11	Curve 12	Curve 13	Curve 14	Curve 25	Curve 26	Curve 27	
36.06	82.0	147,600	147,600	147,600	147,600	147,600	147,600	<b>Prohibited</b>	36.06
40	81.0	138,800	138,800	138,800	126,700	138,800	138,800		40
50	78.4	117,500	117,500	117,500	89,900	117,500	117,500		50
60	75.8	102,800	102,800	102,800	68,200	102,800	99,700		60
70	73.1	90,300	90,300	90,300	53,900	90,300	80,500		70
80	70.5	76,800	76,800	75,100	43,800	76,800	66,700		80
90	67.7	67,900	67,900	63,500	36,200	67,900	56,400		90
100	65.0	60,200	60,200	54,500	30,300	58,900	48,300		100
110	62.1	53,800	53,800	47,400	25,600	51,400	41,900		110
120	59.2	48,100	48,100	41,500	21,700	45,300	36,600		120
130	56.2	41,400	41,400	36,600	18,500	40,200	32,200		130
140	53.1	35,800	35,800	32,500	15,800	35,800	28,500		140
150	49.8	31,100	31,100	29,000	13,500	31,100	25,300		150
160	46.4	27,200	27,200	25,900	11,400	27,200	22,500		160
170	42.7	24,000	24,000	23,200	9,700	24,000	20,000		170
180	38.8	21,100	21,100	20,800	8,100	21,100	17,800		180
190	34.6	19,300	19,300	18,700	6,700	19,300	15,900		190
200	29.8	18,000	18,000	16,800	5,400	18,000	14,100		200
210	24.2	15,800	15,800	15,000	4,200	15,800	12,500		210
220	16.9	13,400	13,400	13,400	3,100	13,400	11,000		220

**Note: Refer To Page 24 For “Capacity Deductions” Caused By Any Attachment At The Boom Tip.**

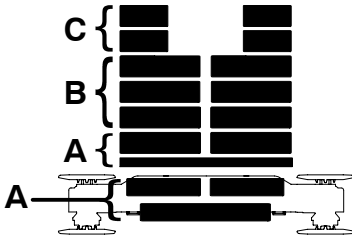
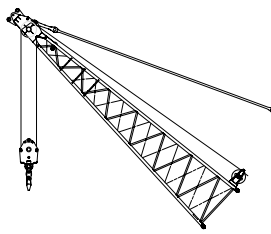
Not for crane operations


**Main Boom Capacities – 235' Long Range Boom**

Load Radius (ft)	Boom Angle (deg)	Over End Blocked	360° Rotation						Load Radius (ft)	
			Side Frames Extended			Side Frames Retracted				
			ABC+A CTWT (lb)	ABC+A CTWT (lb)	AB+A CTWT (lb)	A+A CTWT (lb)	ABC+A CTWT (lb)	AB+A CTWT (lb)		A+A CTWT (lb)
			Curve 11	Curve 12	Curve 13	Curve 14	Curve 25	Curve 26		Curve 27
37.46	82.0	136,200	136,200	136,200	136,200	136,200	136,200	<b>Prohibited</b>	37.46	
40	81.4	127,800	127,800	127,800	126,800	127,800	127,800		40	
50	78.9	102,200	102,200	102,200	90,000	102,200	102,200		50	
60	76.4	96,800	96,800	96,800	68,200	96,800	96,800		60	
70	73.9	85,900	85,900	85,900	53,900	85,900	80,400		70	
80	71.3	73,300	73,300	73,300	43,700	73,300	66,600		80	
90	68.7	65,200	65,200	63,400	36,100	65,200	56,300		90	
100	66.1	58,300	58,300	54,500	30,200	58,300	48,300		100	
110	63.4	52,300	52,300	47,300	25,500	51,400	41,800		110	
120	60.6	46,700	46,700	41,400	21,600	45,200	36,500		120	
130	57.8	38,400	38,400	36,600	18,400	38,400	32,100		130	
140	54.9	34,300	34,300	32,400	15,700	34,300	28,400		140	
150	51.8	30,900	30,900	28,900	13,400	30,900	25,200		150	
160	48.7	27,400	27,400	25,800	11,400	27,400	22,400		160	
170	45.3	24,300	24,300	23,100	9,600	24,300	19,900		170	
180	41.8	21,400	21,400	20,700	8,000	21,400	17,700		180	
190	38.0	18,600	18,600	18,600	6,600	18,600	15,800		190	
200	33.8	16,000	16,000	16,000	5,300	16,000	14,000		200	
210	29.1	13,400	13,400	13,400	4,100	13,400	12,500		210	
220	23.7	10,900	10,900	10,900	3,100	10,900	10,900		220	
230	16.6	8,300	8,300	8,300	2,100	8,300	8,300		230	

**Note: Refer To Page 24 For “Capacity Deductions” Caused By Any Attachment At The Boom Tip.**

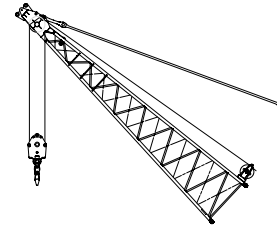
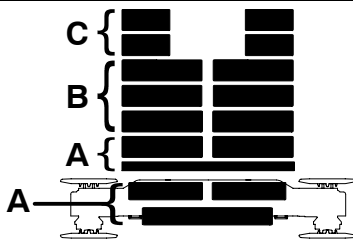
Not for crane operations

<b>Main Boom Capacities – 245' Long Range Boom</b>										
Load Radius (ft)	Boom Angle (deg)	Over End Blocked	360° Rotation						Load Radius (ft)	
			Side Frames Extended			Side Frames Retracted				
			ABC+A CTWT (lb)	ABC+A CTWT (lb)	AB+A CTWT (lb)	A+A CTWT (lb)	ABC+A CTWT (lb)	AB+A CTWT (lb)		A+A CTWT (lb)
			Curve 11	Curve 12	Curve 13	Curve 14	Curve 25	Curve 26		Curve 27
38.85	82.0	131,300	131,300	131,300	Prohibited	131,300	131,300	Prohibited	38.85	
40	81.7	129,600	129,600	129,600		129,600	129,600		40	
50	79.4	113,400	113,400	113,400		113,400	113,400		50	
60	77.0	102,400	102,400	102,400		102,400	99,600		60	
70	74.6	91,900	91,900	90,500		91,900	80,300		70	
80	72.1	78,600	78,600	74,900		78,600	66,600		80	
90	69.6	70,300	70,300	63,300		68,100	56,200		90	
100	67.1	63,000	63,000	54,400		58,800	48,200		100	
110	64.6	56,500	56,500	47,200		51,200	41,700		110	
120	61.9	50,900	50,700	41,300		45,100	36,400		120	
130	59.3	45,600	45,000	36,400		40,000	32,000		130	
140	56.5	41,000	40,200	32,300		35,600	28,300		140	
150	53.6	34,100	34,100	28,800		31,900	25,000		150	
160	50.7	30,700	30,700	25,700		28,600	22,300		160	
170	47.6	27,400	27,400	23,000		25,800	19,800		170	
180	44.3	24,300	24,300	20,600		23,200	17,600		180	
190	40.9	21,400	21,400	18,500		21,000	15,700		190	
200	37.2	18,800	18,800	16,600		18,800	13,900		200	
210	33.1	16,300	16,300	14,900		16,300	12,400		210	
220	28.5	13,800	13,800	13,300		13,800	10,900		220	
230	23.2	11,200	11,200	11,200		11,200	9,600		230	
240	16.2	8,600	8,600	8,600		8,600	8,300		240	

**Note: Refer To Page 24 For “Capacity Deductions” Caused By Any Attachment At The Boom Tip.**

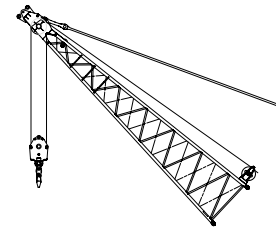
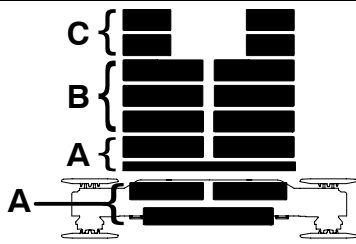
Not for crane operations


**Main Boom Capacities – 255' Long Range Boom**

Load Radius (ft)	Boom Angle (deg)	Over End Blocked	360° Rotation						Load Radius (ft)	
			Side Frames Extended			Side Frames Retracted				
			ABC+A CTWT (lb)	ABC+A CTWT (lb)	AB+A CTWT (lb)	A+A CTWT (lb)	ABC+A CTWT (lb)	AB+A CTWT (lb)		A+A CTWT (lb)
			Curve 11	Curve 12	Curve 13	Curve 14	Curve 25	Curve 26		Curve 27
40.24	82.0	131,500	131,500	131,500	<b>Prohibited</b>	131,500	131,500	<b>Prohibited</b>	40.24	
50	79.8	116,700	116,700	116,700		116,700	116,700		50	
60	77.5	106,500	106,500	106,500		106,500	99,500		60	
70	75.2	96,200	96,200	90,400		96,100	80,200		70	
80	72.8	86,300	86,300	74,800		80,100	66,500		80	
90	70.5	74,400	74,400	63,200		68,000	56,100		90	
100	68.1	67,200	65,700	54,200		58,600	48,000		100	
110	65.6	60,500	57,300	47,100		51,100	41,600		110	
120	63.1	54,600	50,500	41,200		45,000	36,300		120	
130	60.6	49,100	44,900	36,300		39,800	31,900		130	
140	58.0	44,500	40,100	32,200		35,500	28,100		140	
150	55.3	37,300	36,000	28,600		31,700	24,900		150	
160	52.5	33,800	32,400	25,600		28,500	22,100		160	
170	49.6	30,400	29,300	22,900		25,600	19,700		170	
180	46.6	27,300	26,500	20,500		23,100	17,500		180	
190	43.4	24,400	24,100	18,400		20,900	15,600		190	
200	40.0	21,600	21,600	16,500		18,800	13,800		200	
210	36.4	18,900	18,900	14,800		17,000	12,200		210	
220	32.4	16,400	16,400	13,200		15,300	10,800		220	
230	28.0	13,900	13,900	11,800		13,800	9,500		230	
240	22.7	11,500	11,500	10,400		11,500	8,300		240	
250	15.9	8,800	8,800	8,800		8,800	7,100		250	

**Note: Refer To Page 24 For “Capacity Deductions” Caused By Any Attachment At The Boom Tip.**

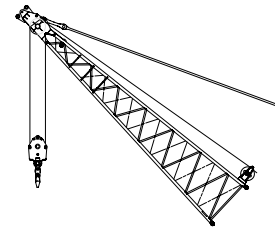
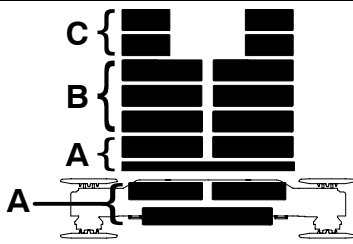
Not for crane operations


**Main Boom Capacities – 265' Long Range Boom**

Load Radius (ft)	Boom Angle (deg)	Over End Blocked	360° Rotation						Load Radius (ft)	
			Side Frames Extended			Side Frames Retracted				
			ABC+A CTWT (lb)	ABC+A CTWT (lb)	AB+A CTWT (lb)	A+A CTWT (lb)	ABC+A CTWT (lb)	AB+A CTWT (lb)		A+A CTWT (lb)
			Curve 11	Curve 12	Curve 13	Curve 14	Curve 25	Curve 26		Curve 27
41.63	82.0	124,200	124,200	124,200	<b>Prohibited</b>	124,200	124,200	41.63		
50	80.2	115,600	115,600	115,600		115,600	115,600	50		
60	78.0	109,100	109,100	109,100		109,100	99,400	60		
70	75.7	99,200	99,200	90,300		96,000	80,100	70		
80	73.5	89,600	89,500	74,700		79,900	66,300	80		
90	71.2	77,800	76,000	63,100		67,900	56,000	90		
100	68.9	70,500	65,600	54,100		58,500	47,900	100		
110	66.6	63,900	57,200	46,900		51,000	41,400	110		
120	64.2	57,800	50,400	41,100		44,800	36,100	120		
130	61.8	51,400	44,700	36,200		39,700	31,700	130		
140	59.3	46,000	39,900	32,000		35,300	28,000	140		
150	56.8	41,400	35,800	28,500		31,600	24,700	150		
160	54.1	36,400	32,200	25,400		28,300	22,000	160		
170	51.4	33,000	29,100	22,700		25,500	19,500	170		
180	48.6	29,900	26,400	20,300		22,900	17,300	180		
190	45.6	26,900	23,900	18,200		20,700	15,400	190		
200	42.5	24,100	21,700	16,300		18,700	13,700	200		
210	39.2	21,500	19,700	14,600		16,900	12,100	210		
220	35.7	18,900	17,900	13,100		15,200	10,700	220		
230	31.8	16,400	16,300	11,600		13,700	9,300	230		
240	27.4	14,200	14,200	10,300		12,300	8,100	240		
250	22.3	11,800	11,800	9,100		11,000	7,000	250		
260	15.6	9,100	9,100	7,900		9,100	5,900	260		

**Note: Refer To Page 24 For "Capacity Deductions" Caused By Any Attachment At The Boom Tip.**

Not for crane operations


**Main Boom Capacities – 275' Long Range Boom**

Load Radius (ft)	Boom Angle (deg)	Over End Blocked	360° Rotation						Load Radius (ft)
			Side Frames Extended			Side Frames Retracted			
			ABC+A CTWT (lb)	AB+A CTWT (lb)	A+A CTWT (lb)	ABC+A CTWT (lb)	AB+A CTWT (lb)	A+A CTWT (lb)	
			Curve 11	Curve 12	Curve 13	Curve 14	Curve 25	Curve 26	
43.02	82.0	105,400	105,400	105,400	<b>Prohibited</b>	105,400	105,400	<b>Prohibited</b>	43.02
50	80.5	101,100	101,100	101,100		101,100	101,100		50
60	78.4	96,000	96,000	96,000		96,000	96,000		60
70	76.3	90,600	90,600	90,200		90,600	80,000		70
80	74.1	84,400	84,400	74,600		79,800	66,200		80
90	71.9	76,500	75,900	63,000		67,700	55,800		90
100	69.7	71,900	65,400	54,000		58,300	47,700		100
110	67.5	65,400	57,100	46,800		50,800	41,300		110
120	65.2	57,700	50,200	40,900		44,600	36,000		120
130	62.9	51,300	44,600	36,000		39,500	31,500		130
140	60.5	45,900	39,800	31,900		35,100	27,800		140
150	58.1	41,300	35,600	28,300		31,400	24,600		150
160	55.6	37,300	32,100	25,200		28,100	21,800		160
170	53.1	33,800	29,000	22,600		25,300	19,300		170
180	50.4	30,700	26,200	20,200		22,800	17,200		180
190	47.7	28,000	23,700	18,100		20,500	15,200		190
200	44.8	25,500	21,500	16,200		18,500	13,500		200
210	41.7	23,300	19,600	14,400		16,700	11,900		210
220	38.5	21,300	17,800	12,900		15,000	10,500		220
230	35.0	18,900	16,100	11,500		13,500	9,200		230
240	31.2	16,500	14,600	10,200		12,100	8,000		240
250	26.9	14,300	13,200	9,000		10,900	6,900		250
260	21.8	11,900	11,900	7,800		9,600	5,800		260
270	15.3	9,500	9,500	6,700		8,500	4,800		270

Note: Refer To Page 24 For “Capacity Deductions” Caused By Any Attachment At The Boom Tip.

Not for crane operations

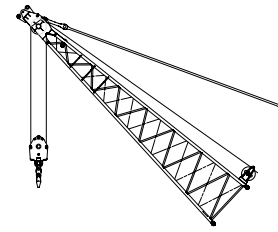
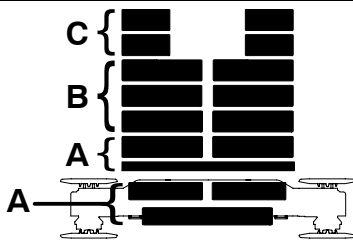


**Main Boom Capacities – 285' Long Range Boom**

Load Radius (ft)	Boom Angle (deg)	Over End Blocked	360° Rotation						Load Radius (ft)
			Side Frames Extended			Side Frames Retracted			
		ABC+A CTWT (lb)	ABC+A CTWT (lb)	AB+A CTWT (lb)	A+A CTWT (lb)	ABC+A CTWT (lb)	AB+A CTWT (lb)	A+A CTWT (lb)	
		Curve 11	Curve 12	Curve 13	Curve 14	Curve 25	Curve 26	Curve 27	
44.41	82.0	92,000	92,000	92,000	<b>Prohibited</b>	92,000	92,000	44.41	
50	80.9	89,100	89,100	89,100		89,100	89,100	50	
60	78.8	84,400	84,400	84,400		84,400	84,400	60	
70	76.8	76,000	76,000	76,000		76,000	76,000	70	
80	74.7	71,000	71,000	71,000		71,000	66,000	80	
90	72.6	66,300	66,300	62,800		66,300	55,700	90	
100	70.5	62,400	62,400	53,800		58,200	47,600	100	
110	68.3	58,700	56,900	46,600		50,600	41,100	110	
120	66.1	55,500	50,100	40,700		44,500	35,800	120	
130	63.9	51,100	44,400	35,800		39,300	31,400	130	
140	61.7	45,700	39,600	31,700		34,900	27,600	140	
150	59.4	41,100	35,500	28,100		31,200	24,400	150	
160	57.0	37,100	31,900	25,100		27,900	21,600	160	
170	54.6	33,600	28,800	22,400		25,100	19,100	170	
180	52.1	30,500	26,000	20,000		22,600	17,000	180	
190	49.5	27,800	23,600	17,900		20,300	15,000	190	
200	46.8	25,300	21,400	16,000		18,300	13,300	200	
210	43.9	23,100	19,400	14,300		16,500	11,700	210	
220	41.0	21,100	17,600	12,700		14,900	10,300	220	
230	37.8	19,300	15,900	11,300		13,300	9,000	230	
240	34.4	17,700	14,400	10,000		12,000	7,800	240	
250	30.6	16,100	13,000	8,800		10,700	6,700	250	
260	26.4	14,200	11,800	7,700		9,500	5,700	260	
270	21.5	12,000	10,500	6,600		8,400	4,700	270	
280	15.0	9,700	9,400	5,600		7,300	3,800	280	

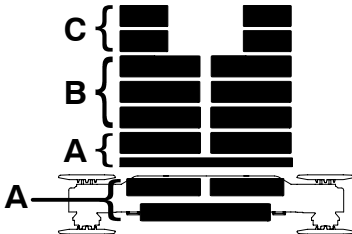
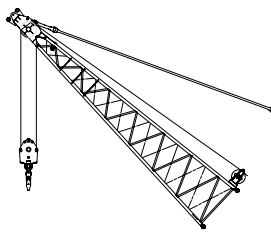
**Note: Refer To Page 24 For "Capacity Deductions" Caused By Any Attachment At The Boom Tip.**

Not for crane operations


**Main Boom Capacities – 295' Long Range Boom**

Load Radius (ft)	Boom Angle (deg)	Over End Blocked	360° Rotation						Load Radius (ft)	
			Side Frames Extended			Side Frames Retracted				
			ABC+A CTWT (lb)	ABC+A CTWT (lb)	AB+A CTWT (lb)	A+A CTWT (lb)	ABC+A CTWT (lb)	AB+A CTWT (lb)		A+A CTWT (lb)
			Curve 11	Curve 12	Curve 13	Curve 14	Curve 25	Curve 26		Curve 27
45.81	82.0	77,500	77,500	77,500	<b>Prohibited</b>	77,500	77,500	<b>Prohibited</b>	45.81	
50	81.2	75,400	75,400	75,400		75,400	75,400		50	
60	79.2	71,400	71,400	71,400		71,400	71,400		60	
70	77.2	66,900	66,900	66,900		66,900	66,900		70	
80	75.2	62,100	62,100	62,100		62,100	62,100		80	
90	73.2	58,000	58,000	58,000		58,000	55,500		90	
100	71.2	54,400	54,400	53,600		54,400	47,400		100	
110	69.1	51,000	51,000	46,400		50,400	40,900		110	
120	67.0	48,100	48,100	40,500		44,300	35,600		120	
130	64.9	45,400	44,200	35,600		39,100	31,200		130	
140	62.7	43,300	39,400	31,500		34,700	27,400		140	
150	60.5	38,500	35,300	27,900		31,000	24,200		150	
160	58.2	36,800	31,700	24,900		27,700	21,400		160	
170	55.9	33,400	28,600	22,200		24,900	18,900		170	
180	53.6	30,300	25,800	19,800		22,400	16,800		180	
190	51.1	27,600	23,400	17,700		20,100	14,800		190	
200	48.6	25,100	21,200	15,800		18,100	13,100		200	
210	45.9	22,900	19,200	14,100		16,300	11,500		210	
220	43.1	21,000	17,400	12,500		14,700	10,100		220	
230	40.2	19,100	15,700	11,100		13,100	8,800		230	
240	37.1	17,500	14,200	9,800		11,800	7,600		240	
250	33.8	15,900	12,900	8,600		10,500	6,500		250	
260	30.1	14,500	11,600	7,500		9,300	5,500		260	
270	26.0	13,200	10,400	6,500		8,200	4,500		270	
280	21.1	12,000	9,300	5,500		7,200	3,700		280	
290	14.8	9,800	8,200	4,600		6,200	2,800		290	

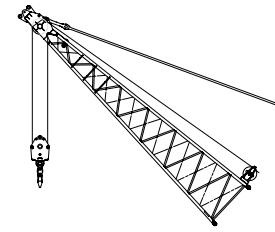
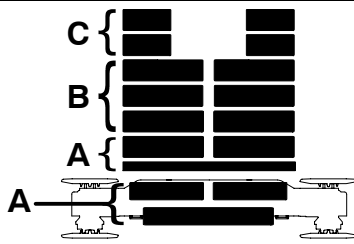
Note: Refer To Page 24 For "Capacity Deductions" Caused By Any Attachment At The Boom Tip.

<b>Main Boom Capacities – 305' Long Range Boom</b>									
Load Radius (ft)	Boom Angle (deg)	Over End Blocked	360° Rotation						Load Radius (ft)
			Side Frames Extended			Side Frames Retracted			
		ABC+A CTWT (lb)	ABC+A CTWT (lb)	AB+A CTWT (lb)	A+A CTWT (lb)	ABC+A CTWT (lb)	AB+A CTWT (lb)	A+A CTWT (lb)	
		Curve 11	Curve 12	Curve 13	Curve 14	Curve 25	Curve 26	Curve 27	
47.2	82.0	85,200	85,200	68,500	Prohibited	68,500	68,500	47.2	
50	81.5	80,700	80,700	67,200		67,200	67,200	50	
60	79.6	76,400	76,400	63,200		63,200	63,200	60	
70	77.6	70,700	70,700	59,300		59,300	59,300	70	
80	75.7	64,700	64,700	55,000		55,000	55,000	80	
90	73.8	59,100	59,100	51,200		51,200	51,200	90	
100	71.8	53,700	53,700	47,700		47,700	47,200	100	
110	69.8	49,000	49,000	44,700		44,700	40,700	110	
120	67.8	44,500	44,500	39,100		39,100	35,400	120	
130	65.8	37,600	37,600	35,400		37,000	30,900	130	
140	63.7	34,400	34,400	31,300		34,500	27,200	140	
150	61.6	31,400	31,400	27,700		30,800	24,000	150	
160	59.4	28,600	28,600	24,700		27,500	21,200	160	
170	57.2	26,100	26,100	22,000		24,700	18,700	170	
180	54.9	23,700	23,700	19,600		22,200	16,500	180	
190	52.6	21,600	21,600	17,500		19,900	14,600	190	
200	50.2	19,700	19,700	15,600		17,900	12,900	200	
210	47.7	17,700	17,700	13,900		16,100	11,300	210	
220	45.1	15,800	15,800	12,300		14,400	9,900	220	
230	42.4	14,100	14,100	10,900		12,900	8,600	230	
240	39.5	12,500	12,500	9,600		11,600	7,400	240	
250	36.5	10,900	10,900	8,400		10,300	6,300	250	
260	33.2	9,300	9,300	7,300		9,100	5,300	260	
270	29.6	7,700	7,700	6,300		8,000	4,400	270	
280	25.5	6,200	6,200	5,300		7,000	3,500	280	
290	20.7	4,600	4,600	4,400		6,000	2,600	290	
300	14.5	2,900	2,900	3,500		5,100	–	300	

**Note: Refer To Page 24 For “Capacity Deductions” Caused By Any Attachment At The Boom Tip.**

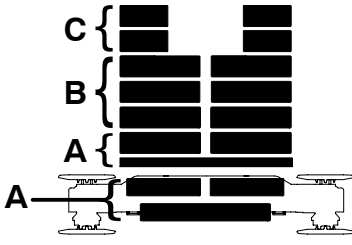
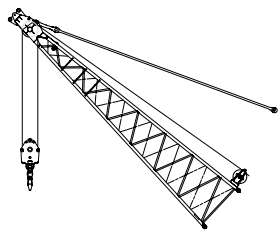
Not for crane operations


**Main Boom Capacities – 315' Long Range Boom**

Load Radius (ft)	Boom Angle (deg)	Over End Blocked	360° Rotation						Load Radius (ft)	
			Side Frames Extended			Side Frames Retracted				
			ABC+A CTWT (lb)	ABC+A CTWT (lb)	AB+A CTWT (lb)	A+A CTWT (lb)	ABC+A CTWT (lb)	AB+A CTWT (lb)		A+A CTWT (lb)
			Curve 11	Curve 12	Curve 13	Curve 14	Curve 25	Curve 26		Curve 27
48.59	82.0	72,800	72,800	60,800	<b>Prohibited</b>	60,800	<b>Prohibited</b>	48.59		
50	81.7	72,400	72,400	60,200		60,200		50		
60	79.9	68,800	68,800	56,600		56,600		60		
70	78.0	64,700	64,700	52,700		52,700		70		
80	76.2	60,000	60,000	48,600		48,600		80		
90	74.3	55,900	55,900	45,100		45,100		90		
100	72.4	52,300	52,300	38,600		38,600		100		
110	70.5	48,700	48,700	36,500		36,500		110		
120	68.5	44,600	44,600	34,300		34,300		120		
130	66.6	37,900	37,900	32,500		32,500		130		
140	64.6	34,700	34,700	30,700		30,700		140		
150	62.5	31,900	31,900	27,500		29,200		150		
160	60.5	29,200	29,200	24,400		27,300		160		
170	58.4	26,800	26,800	21,700		24,400		170		
180	56.2	24,500	24,500	19,400		21,900		180		
190	54.0	22,300	22,300	17,200		19,700		190		
200	51.7	20,400	20,400	15,300		17,700		200		
210	49.3	18,600	18,600	13,600		15,900		210		
220	46.9	16,900	16,900	12,100		14,200		220		
230	44.4	15,300	15,300	10,700		12,700		230		
240	41.7	13,800	13,800	9,400		11,300		240		
250	38.9	12,100	12,100	8,200		10,100		250		
260	35.9	10,600	10,600	7,100		8,900		260		
270	32.6	9,200	9,200	6,100		7,800		270		
280	29.1	7,900	7,900	5,100		6,800		280		
290	25.1	6,600	6,600	4,200		5,800		290		
300	20.4	5,100	5,100	3,400		4,900		300		
310	14.3	3,400	3,400	2,500		4,100		310		

Note: Refer To Page 24 For “Capacity Deductions” Caused By Any Attachment At The Boom Tip.

Not for crane operations

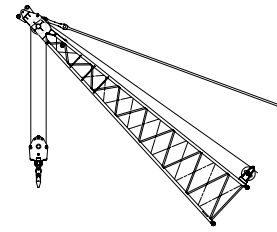
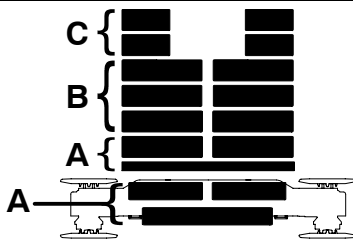



### Main Boom Capacities – 325' Long Range Boom

Load Radius (ft)	Boom Angle (deg)	Over End Blocked	360° Rotation						Load Radius (ft)	
			Side Frames Extended			Side Frames Retracted				
			ABC+A CTWT (lb)	ABC+A CTWT (lb)	AB+A CTWT (lb)	A+A CTWT (lb)	ABC+A CTWT (lb)	AB+A CTWT (lb)		A+A CTWT (lb)
			Curve 11	Curve 12	Curve 13	Curve 14	Curve 25	Curve 26		Curve 27
49.98	82.0	64,800	64,800	<b>Prohibited</b>	<b>Prohibited</b>	54,100	<b>Prohibited</b>	<b>Prohibited</b>	49.98	
60	80.2	61,900	61,900			50,700			60	
70	78.4	57,900	57,900			47,200			70	
80	76.6	53,700	53,700			43,500			80	
90	74.8	50,100	50,100			36,700			90	
100	73.0	46,600	46,600			34,300			100	
110	71.1	43,700	43,700			32,200			110	
120	69.2	38,200	38,200			30,400			120	
130	67.3	36,000	36,000			28,600			130	
140	65.4	34,100	34,100			26,900			140	
150	63.5	31,600	31,600			25,400			150	
160	61.5	29,100	29,100			24,100			160	
170	59.4	26,800	26,800			23,000			170	
180	57.4	24,700	24,700			21,700			180	
190	55.2	22,600	22,600			19,400			190	
200	53.1	20,800	20,500			17,400			200	
210	50.8	19,100	18,500			15,600			210	
220	48.5	17,500	16,700			14,000			220	
230	46.1	15,900	15,100			12,500			230	
240	43.6	14,400	13,600			11,100			240	
250	41.0	13,000	12,200			9,800			250	
260	38.2	11,600	10,900			8,700			260	
270	35.3	10,400	9,800			7,600			270	
280	32.1	9,100	8,700			6,600			280	
290	28.6	7,900	7,600			5,600			290	
300	24.7	6,600	6,600			4,700			300	
310	20.1	5,300	5,300			3,900			310	
320	14.1	3,700	3,700			3,100			320	

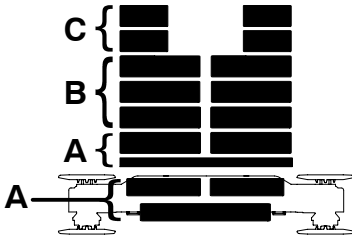
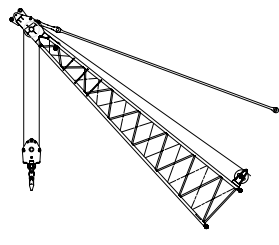
**Note: Refer To Page 24 For "Capacity Deductions" Caused By Any Attachment At The Boom Tip.**

Not for crane operations


**Main Boom Capacities – 335' Long Range Boom**

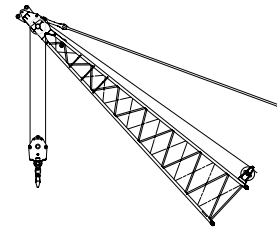
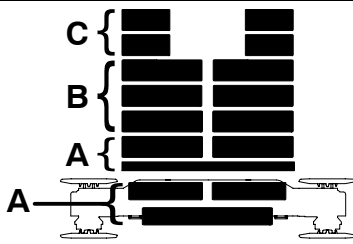
Load Radius (ft)	Boom Angle (deg)	Over End Blocked	360° Rotation						Load Radius (ft)	
			Side Frames Extended			Side Frames Retracted				
			ABC+A CTWT (lb)	ABC+A CTWT (lb)	AB+A CTWT (lb)	A+A CTWT (lb)	ABC+A CTWT (lb)	AB+A CTWT (lb)		A+A CTWT (lb)
			Curve 11	Curve 12	Curve 13	Curve 14	Curve 25	Curve 26		Curve 27
51.37	82.0	58,500	58,500	<b>Prohibited</b>	<b>Prohibited</b>	48,600	<b>Prohibited</b>	51.37		
60	80.5	55,700	55,700			45,700		60		
70	78.8	52,100	52,100			42,300		70		
80	77.0	48,200	48,200			35,500		80		
90	75.3	44,600	44,600			32,900		90		
100	73.5	38,600	38,600			30,700		100		
110	71.7	36,100	36,100			28,700		110		
120	69.9	33,900	33,900			26,700		120		
130	68.0	31,900	31,900			25,200		130		
140	66.2	30,100	30,100			23,600		140		
150	64.3	28,600	28,600			22,200		150		
160	62.4	27,000	27,000			21,100		160		
170	60.4	25,700	25,700			20,000		170		
180	58.5	24,100	24,100			19,000		180		
190	56.4	22,500	22,400			18,200		190		
200	54.3	20,700	20,200			17,200		200		
210	52.2	19,000	18,300			15,400		210		
220	50.0	17,300	16,500			13,700		220		
230	47.7	15,900	14,800			12,200		230		
240	45.4	14,500	13,300			10,800		240		
250	42.9	13,100	12,000			9,600		250		
260	40.4	11,800	10,700			8,400		260		
270	37.6	10,600	9,500			7,300		270		
280	34.8	9,400	8,400			6,300		280		
290	31.6	8,300	7,400			5,400		290		
300	28.2	7,100	6,500			4,500		300		
310	24.3	6,100	5,600			3,700		310		
320	19.8	4,800	4,700			2,900		320		
330	13.9	3,500	3,500			2,100		330		

Note: Refer To Page 24 For "Capacity Deductions" Caused By Any Attachment At The Boom Tip.

Main Boom Capacities – 345' Long Range Boom										
Load Radius (ft)	Boom Angle (deg)	Over End Blocked	360° Rotation						Load Radius (ft)	
			Side Frames Extended			Side Frames Retracted				
			ABC+A CTWT (lb)	ABC+A CTWT (lb)	AB+A CTWT (lb)	A+A CTWT (lb)	ABC+A CTWT (lb)	AB+A CTWT (lb)		A+A CTWT (lb)
			Curve 11	Curve 12	Curve 13	Curve 14	Curve 25	Curve 26		Curve 27
52.76	82.0	53,800	53,800	Prohibited	Prohibited	53,800	Prohibited	52.76		
60	80.8	52,500	52,500			52,500		60		
70	79.1	49,400	49,400			49,400		70		
80	77.4	45,700	45,700			45,700		80		
90	75.7	42,400	42,400			42,400		90		
100	74.0	36,500	36,500			36,500		100		
110	72.2	34,100	34,100			34,100		110		
120	70.5	32,000	32,000			32,000		120		
130	68.7	29,800	29,800			29,800		130		
140	66.9	27,700	27,700			27,700		140		
150	65.1	26,000	26,000			26,000		150		
160	63.3	24,200	24,200			24,200		160		
170	61.4	22,700	22,700			22,700		170		
180	59.5	21,100	21,100			20,700		180		
190	57.5	19,500	19,500			18,500		190		
200	55.5	17,800	17,800			16,500		200		
210	53.5	16,300	16,300			14,600		210		
220	51.4	14,800	14,800			13,000		220		
230	49.2	13,400	13,400			11,500		230		
240	47.0	12,300	12,300			10,100		240		
250	44.7	11,000	11,000			8,900		250		
260	42.3	9,900	9,900			7,700		260		
270	39.8	8,800	8,800			6,600		270		
280	37.1	7,700	7,700			5,600		280		
290	34.2	6,700	6,700			4,700		290		
300	31.2	5,700	5,700			3,800		300		
310	27.8	4,700	4,700			3,000		310		
320	24.0	3,800	3,800			2,200		320		
330	19.5	2,700	2,700			–		330		

**Note:** Refer To Page 24 For “Capacity Deductions” Caused By Any Attachment At The Boom Tip.


**Main Boom Capacities – 355' Long Range Boom**

Load Radius (ft)	Boom Angle (deg)	Over End Blocked	360° Rotation						Load Radius (ft)	
			Side Frames Extended			Side Frames Retracted				
			ABC+A CTWT (lb)	ABC+A CTWT (lb)	AB+A CTWT (lb)	A+A CTWT (lb)	ABC+A CTWT (lb)	AB+A CTWT (lb)		A+A CTWT (lb)
			Curve 11	Curve 12	Curve 13	Curve 14	Curve 25	Curve 26		Curve 27
54.16	82.0	47,400	47,400	<b>Prohibited</b>	<b>Prohibited</b>	47,400	<b>Prohibited</b>	54.16		
60	81.0	47,400	47,400			47,400		60		
70	79.4	44,700	44,700			44,700		70		
80	77.8	37,900	37,900			37,900		80		
90	76.1	35,100	35,100			35,100		90		
100	74.4	32,800	32,800			32,800		100		
110	72.8	30,600	30,600			30,600		110		
120	71.1	28,500	28,500			28,500		120		
130	69.3	26,500	26,500			26,500		130		
140	67.6	24,700	24,700			24,700		140		
150	65.8	23,100	23,100			23,100		150		
160	64.1	21,500	21,500			21,500		160		
170	62.3	20,100	20,100			20,100		170		
180	60.4	18,800	18,800			18,800		180		
190	58.5	17,600	17,600			17,600		190		
200	56.6	16,500	16,500			16,200		200		
210	54.7	15,500	15,500			14,400		210		
220	52.7	14,200	14,200			12,700		220		
230	50.6	13,000	13,000			11,200		230		
240	48.5	11,800	11,800			9,900		240		
250	46.3	10,600	10,600			8,600		250		
260	44.0	9,200	9,200			7,400		260		
270	41.7	7,900	7,900			6,400		270		
280	39.2	6,600	6,600			5,400		280		
290	36.5	5,400	5,400			4,400		290		
300	33.7	4,100	4,100			3,600		300		
310	30.7	3,000	3,000			2,700		310		

Note: Refer To Page 24 For “Capacity Deductions” Caused By Any Attachment At The Boom Tip.

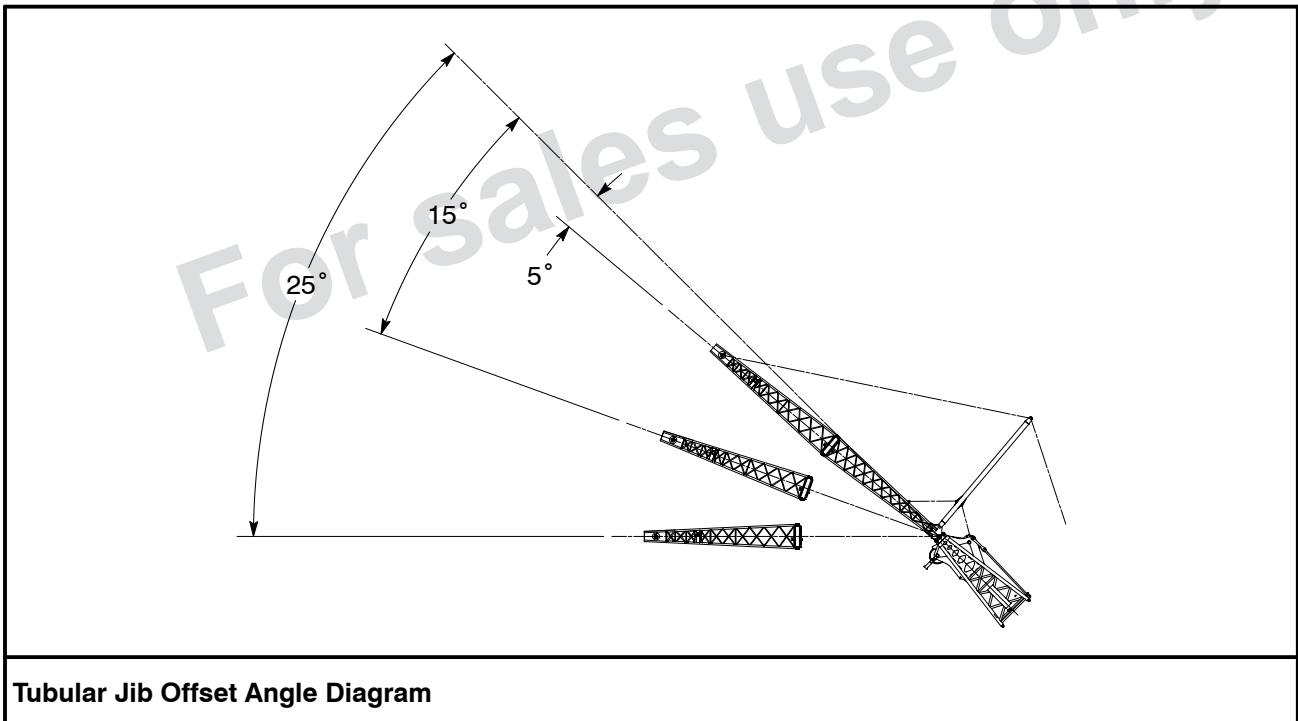
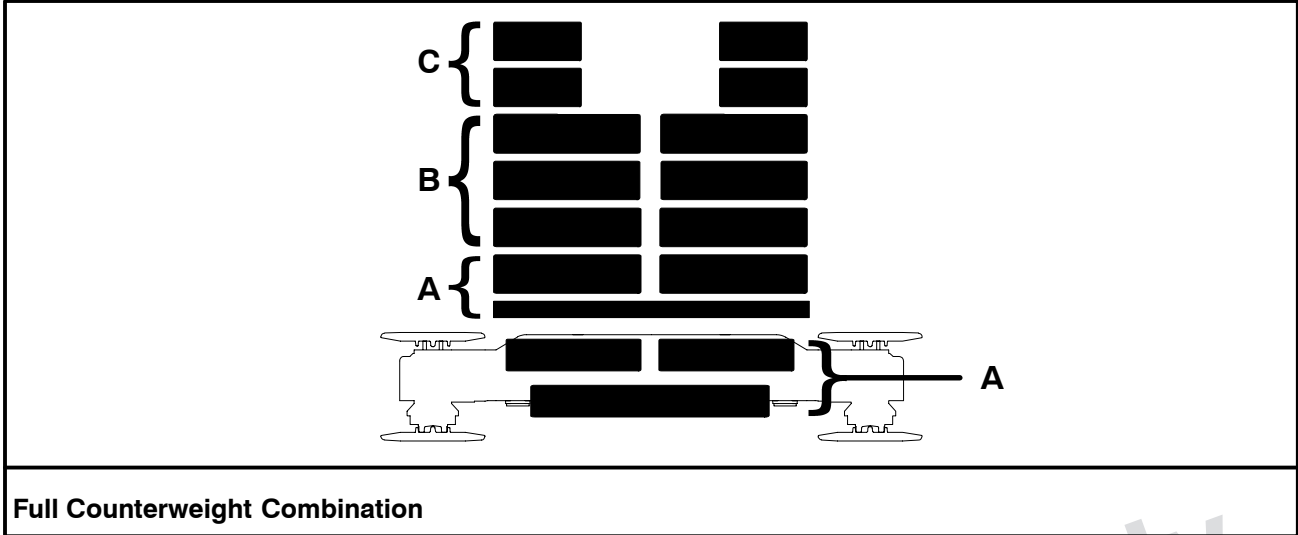
Not for crane operations

## Tubular Jib Notes For Heavy Duty Boom (L9P0050)

1. Capacities (L9P0050) are for a 348 HYLAB 5 crane with ABC+A (221,100 lb + 75,000 lb) counterweight.
2. Separate capacity charts are listed for 360° and for over end blocked crawler working areas. Verify operating conditions as described on the Working Areas Chart found in the general information section of this Crane Rating Manual. Apply the appropriate lift capacity chart based on the Working Areas Chart and the specific operating conditions.
3. Over end blocked capacities can be lifted over either end with the crane standing level on a firm supporting surface. Adequate blocking must be placed under the side frame sprockets/idlers to prevent rocking. The ramps supplied with the crane are considered to be adequate blocking.
4. Capacities are for side frames in the extended or retracted position and are based on the crane standing level on a firm supporting surface.
5. Capacities are limited to a Link-Belt 80" x 95" heavy duty tubular boom with heavy duty 15' peak and a Link-Belt 39" x 48" cross section jib with a 20' high jib mast properly installed.
6. Capacities are for 40', 60', 80', 100', 120', and 140' jib lengths only.
7. A jib cannot be used on heavy duty boom lengths longer than 240'. Maximum boom plus jib combination is 240' + 140'.
8. The least stable condition is over the side.
9. All capacities are listed in pounds and are not more than 75% of the tipping loads. The capacities listed in the shaded areas are governed by factors other than those that would cause a tipping condition.
10. A deduction must be made from the jib capacities for the weight of the following: Main boom hook block or hook ball, jib hook block or hook ball, slings, grapple, load weighing devices, etc. In addition, the weight of any rope on the main boom hook block or hook ball and any extra parts of line on the jib hook block or hook ball must be deducted.
11. A deduction must be made for the luffing jib guide rails if they are installed on boom extensions in use. Refer to "Capacity Deductions" earlier in this Crane Rating Manual.
12. Tubular jib attachment to be used for general duty lifts only. Do not use jib for demolition, drop ball, dragline, or any other type of duty cycle application.

Not for crane operations

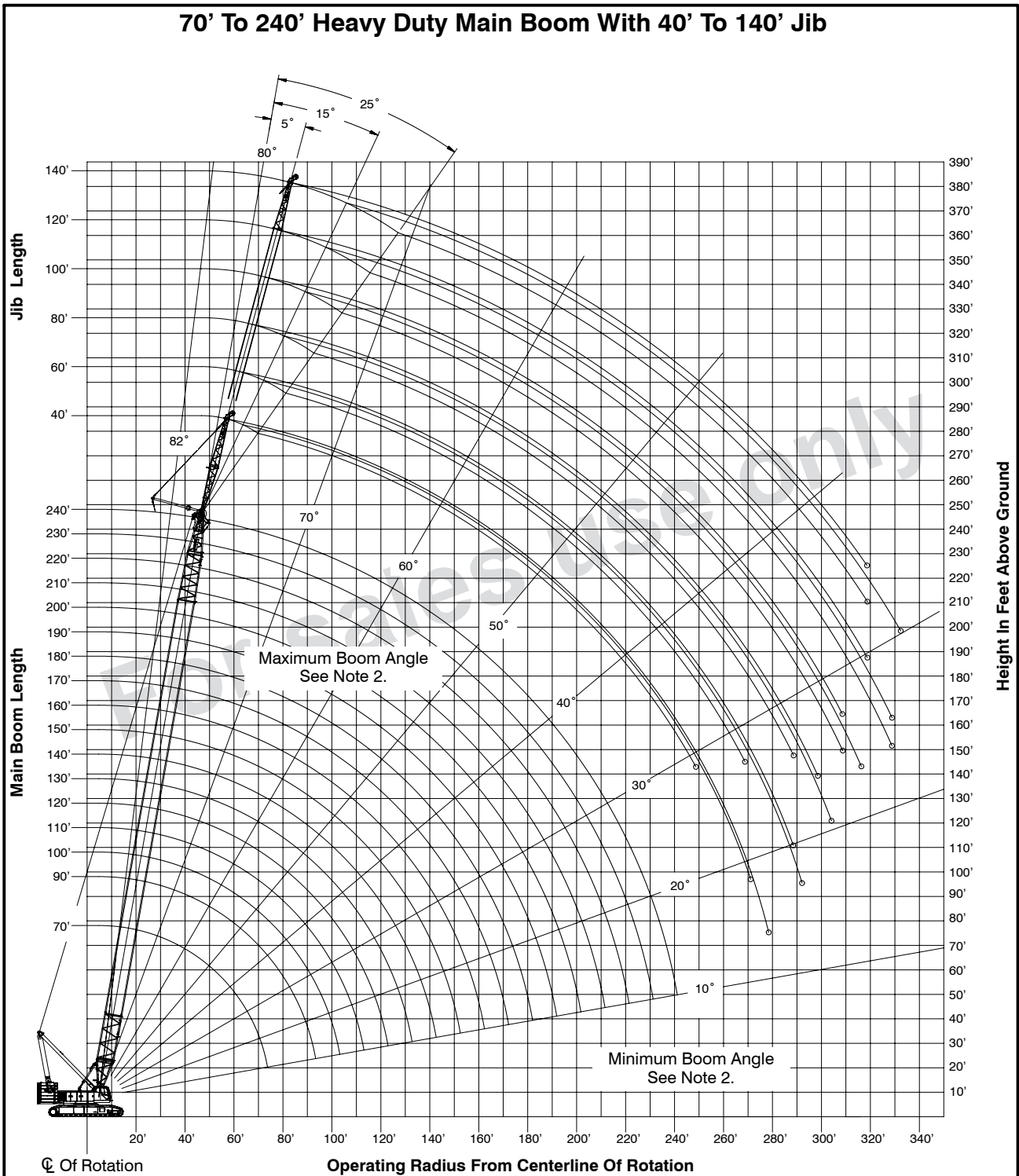
## Tubular Jib Notes For Heavy Duty Tube Boom



Not for crane operations

## Working Range Diagram

70' To 240' Heavy Duty Main Boom With 40' To 140' Jib



**Notes:**

1. Boom geometry shown is for unloaded condition and crane standing level on firm supporting surface. Boom deflection, subsequent radius, and boom angle change must be accounted for when applying load to hook.
2. Maximum and minimum boom angles are equal to the values listed in the capacity chart for each boom length.

Not for crane operations

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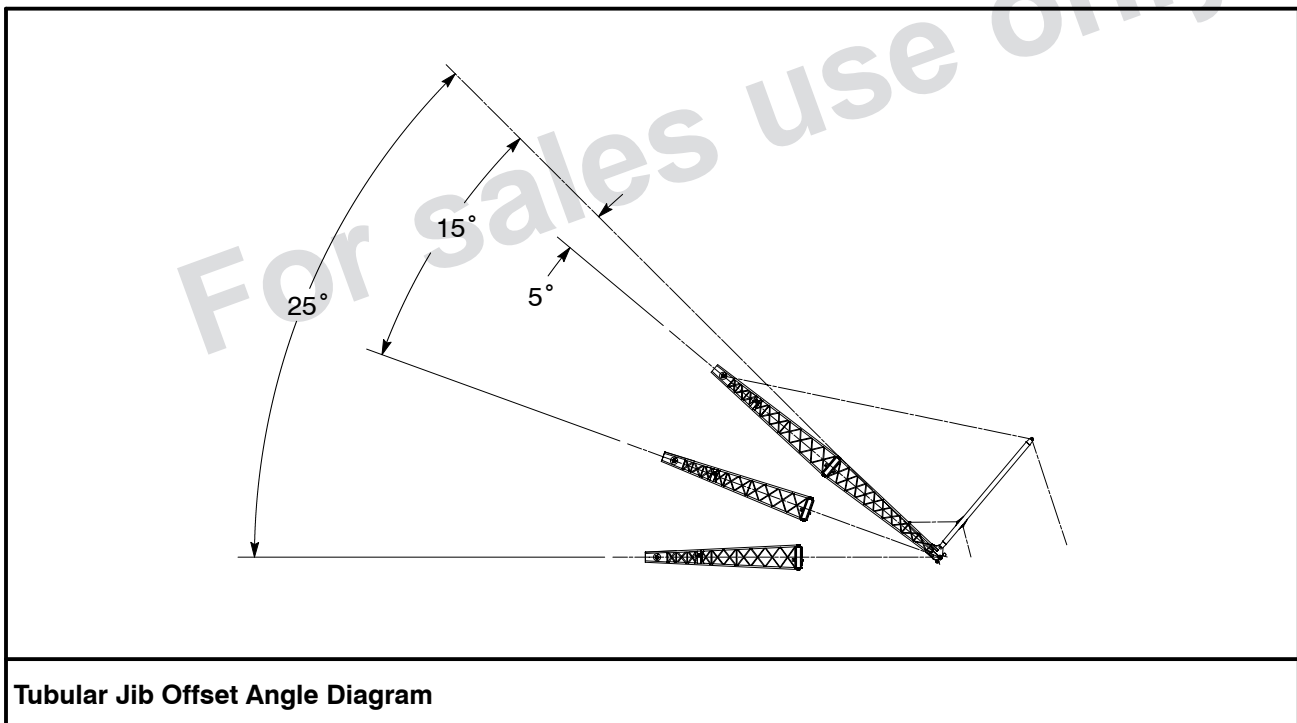
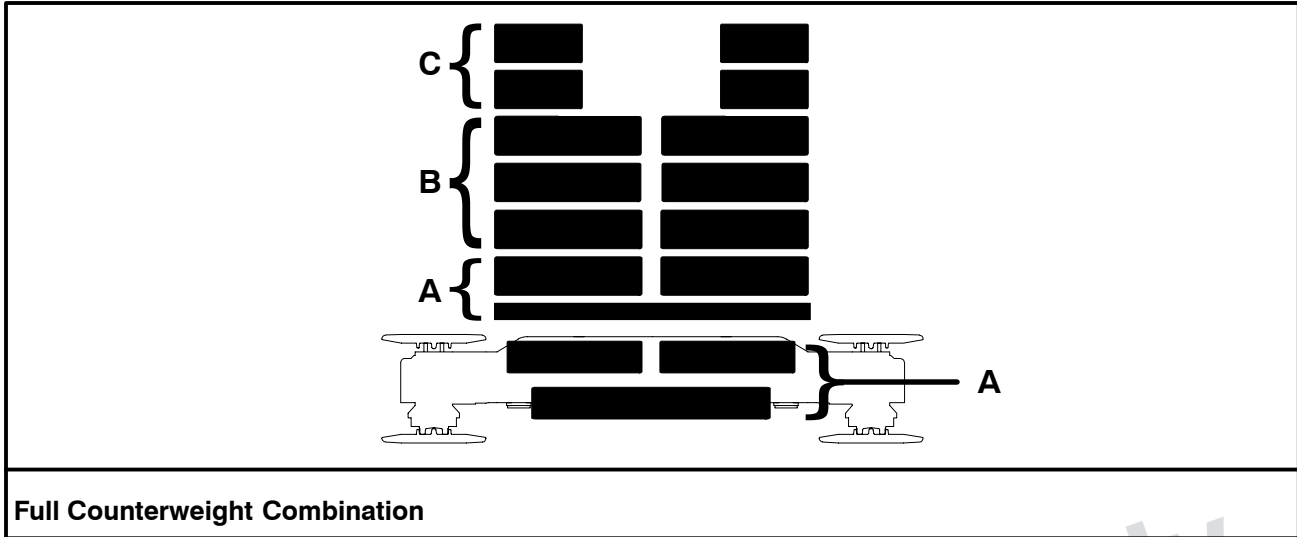
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## Tubular Jib Notes For Long Range Boom (L9P0051)

1. Capacities (L9P0051) are for a 348 HYLAB 5 crane with ABC+A (221,100 lb + 75,000 lb) counterweight.
2. Separate capacity charts are listed for 360° and for over end blocked crawler working areas. Verify operating conditions as described on the Working Areas Chart found in the general information section of this Crane Rating Manual. Apply the appropriate lift capacity chart based on the Working Areas Chart and the specific operating conditions.
3. Over end blocked capacities can be lifted over either end with the crane standing level on a firm supporting surface. Adequate blocking must be placed under the side frame sprockets/idlers to prevent rocking. The ramps supplied with the crane are considered to be adequate blocking.
4. Capacities are for side frames in the extended or retracted position and are based on the crane standing level on a firm supporting surface.
5. Capacities are limited to a Link-Belt 80" x 95" heavy duty & 68" x 80" long range boom cross sections, long range 30' peak, and a Link-Belt 39" x 48" cross section jib with a 20' high jib mast properly installed.
6. Capacities are for 40', 60', 80', 100', 120', and 140' jib lengths only.
7. A jib cannot be used on long range boom lengths longer than 295'. Maximum boom plus jib combination is 295' + 140'.
8. The least stable condition is over the side.
9. All capacities are listed in pounds and are not more than 75% of the tipping loads. The capacities listed in the shaded areas are governed by factors other than those that would cause a tipping condition.
10. A deduction must be made from the jib capacities for the weight of the following: Main boom hook block or hook ball, jib hook block or hook ball, slings, grapple, load weighing devices, etc. In addition, the weight of any rope on the main boom hook block or hook ball and any extra parts of line on the jib hook block or hook ball must be deducted.
11. A deduction must be made for the luffing jib guide rails if they are installed on boom extensions in use. Refer to "Capacity Deductions" earlier in this Crane Rating Manual.
12. Tubular jib attachment to be used for general duty lifts only. Do not use jib for demolition, drop ball, dragline, or any other type of duty cycle application.

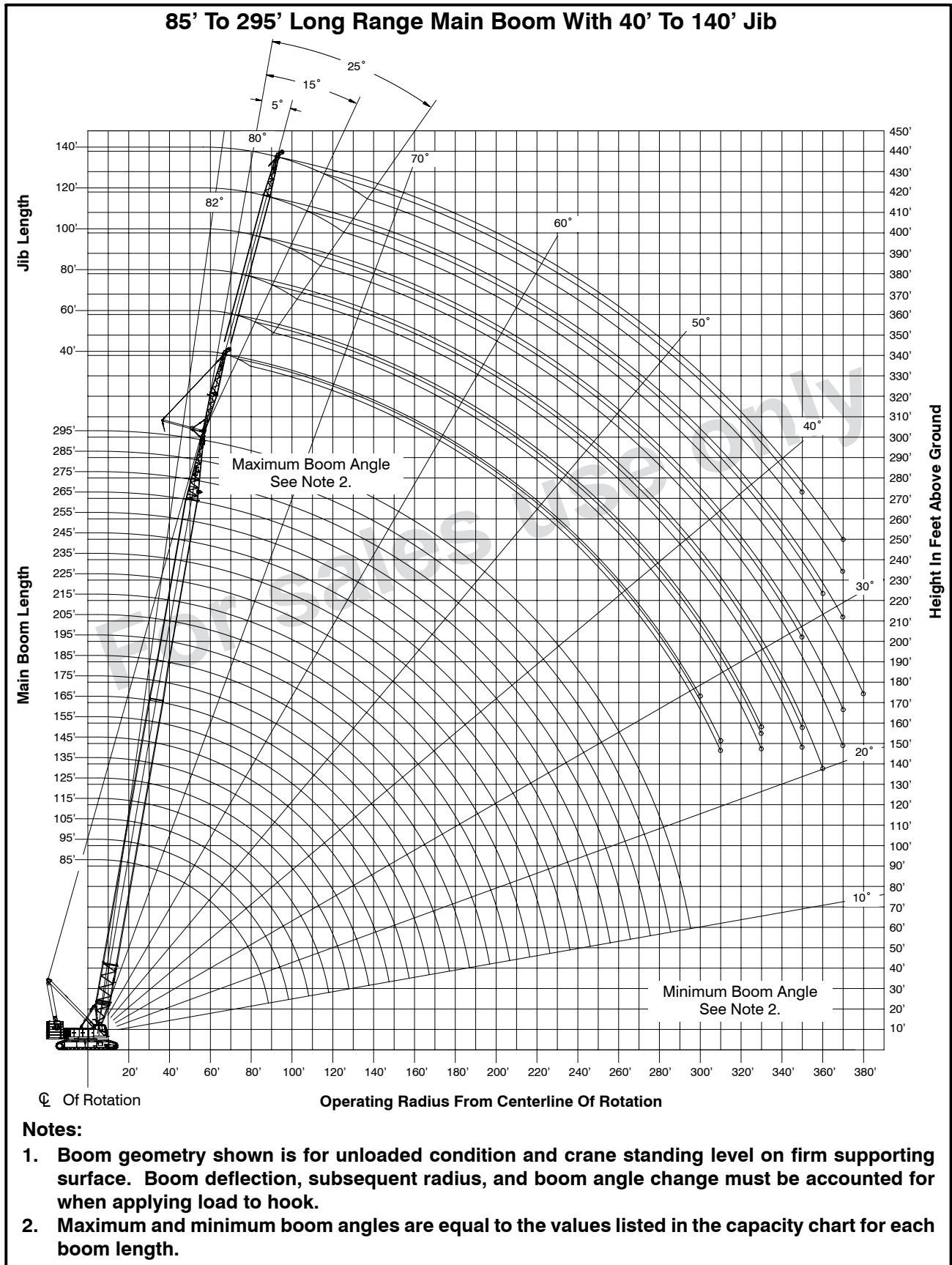
Not for crane operations

## Tubular Jib Notes For Long Range Boom



Not for crane operations

## Working Range Diagram



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**348 HYLAB 5 - w/ 80" x 95" Heavy Duty Boom, w/ 39" x 48" Tubular Jib, w/ 221.1K+75K Cwt**  
Refer to the Tubular Jib Notes for Heavy Duty Boom in this Crane Rating Manual before operating the crane.

Boom Length (ft)		Jib Length (ft)	Jib Load Radius (ft)	5 Degrees		15 Degrees		25 Degrees		Jib Load Radius (ft)
Length (ft)	Radius (ft)	Point Height (ft)	Boom Angle (deg)	Over End Blocked	Extended Curve 2	Over End Blocked	Extended Curve 32	Over End Blocked	Extended Curve 2	Radius (ft)
70	40	119.9	82.0	128,000	128,000					23.99
70	40	119.7	81.5	128,000	128,000					25
70	40	118.7	78.9	128,000	128,000					30
70	40	117.4	76.3	126,400	126,400					35
70	40	115.9	73.7	122,900	120,800					40
70	40	112.1	68.2	102,200	102,200					50
70	40	107.2	62.6	85,400	85,400					60
70	40	100.9	56.6	76,500	76,500					70
70	40	93.0	50.2	66,900	66,900					80
70	40	82.9	43.0	59,400	59,400					90
70	40	69.7	34.6	53,600	53,600					100
70	40	50.4	23.6	49,100	49,100					110
70	60	139.4	82.0	97,700	97,700	Prohibited				28.48
70	60	139.1	81.3	96,900	96,800	Prohibited				30
70	60	138.0	79.1	94,200	94,200	Prohibited				35
70	60	136.8	76.9	91,700	91,700	Prohibited				40
70	60	133.6	72.4	79,900	79,900	Prohibited				50
70	60	129.5	67.8	66,700	66,600	Prohibited				60
70	60	124.4	63.0	57,100	57,200	Prohibited				70
70	60	118.2	57.9	50,000	50,000	Prohibited				80
70	60	110.7	52.5	44,400	44,400	Prohibited				90
70	60	101.5	46.7	40,600	40,600	Prohibited				100
70	60	90.1	40.1	38,900	38,900	Prohibited				110
70	60	75.3	32.5	35,500	35,600	Prohibited				120
70	60	54.0	22.4	32,900	32,900	Prohibited				130
70	80	158.9	82.0	73,600	73,600	Prohibited				32.98
70	80	158.5	81.2	72,900	72,900	Prohibited				35
70	80	157.4	79.3	71,100	71,100	Prohibited				40
70	80	154.6	75.4	64,600	64,600	Prohibited				50
70	80	151.2	71.5	54,200	54,200	Prohibited				60
70	80	146.9	67.4	46,500	46,500	Prohibited				70
70	80	141.7	63.2	40,700	40,700	Prohibited				80
70	80	135.6	58.8	38,800	38,800	Prohibited				90
70	80	128.3	54.2	34,700	34,700	Prohibited				100
70	80	119.7	49.3	31,300	31,300	Prohibited				110
70	80	109.3	43.9	28,500	28,500	Prohibited				120
70	80	96.6	37.9	26,200	26,200	Prohibited				130
70	80	80.4	30.7	24,300	24,300	Prohibited				140
70	80	57.3	21.3	22,700	22,700	Prohibited				150



**348 HYLAB 5 - w/ 80" x 95" Heavy Duty Boom, w/ 39" x 48" Tubular Jib, w/ 221.1K+75K Cwt**  
Refer to the Tubular Jib Notes for Heavy Duty Boom in this Crane Rating Manual before operating the crane.

Boom Length (ft)	Jib Length (ft)	Jib Load Radius (ft)	Jib Angle to Boom										Jib Load Radius (ft)							
			5 Degrees			15 Degrees			25 Degrees											
			Boom Angle (deg)	Jib Point Height (ft)	Over End Blocked	Extended	Retracted	Boom Angle (deg)	Jib Point Height (ft)	Over End Blocked	Extended	Retracted		Boom Angle (deg)	Jib Point Height (ft)	Over End Blocked	Extended	Retracted		
70	100	37.48	82.0	178.3	58,300	58,300														37.48
70	100	40	81.2	177.8	57,600	57,600														40
70	100	50	77.8	175.5	54,600	54,600														50
70	100	60	74.3	172.4	46,000	46,000														60
70	100	70	70.8	168.7	40,400	40,400														70
70	100	80	67.2	164.3	37,100	37,100														80
70	100	90	63.4	159.1	32,800	32,800														90
70	100	100	59.6	152.9	29,300	29,300														100
70	100	110	55.5	145.9	26,400	26,400														110
70	100	120	51.2	137.6	24,000	24,000														120
70	100	130	46.6	128.0	22,000	22,000														130
70	100	140	41.6	116.5	20,300	20,300														140
70	100	150	36.0	102.7	18,800	18,800														150
70	100	160	29.3	85.2	17,600	17,600														160
70	100	170	20.5	60.5	16,500	16,500														170
70	120	41.98	82.0	197.8	46,300	46,300														41.98
70	120	50	79.6	196.1	43,900	43,900														50
70	120	60	76.5	193.4	39,200	39,300														60
70	120	70	73.4	190.1	37,000	37,000														70
70	120	80	70.2	186.2	32,200	32,200														80
70	120	90	66.9	181.6	28,400	28,400														90
70	120	100	63.6	176.4	25,400	25,400														100
70	120	110	60.1	170.3	22,800	22,800														110
70	120	120	56.5	163.3	20,700	20,700														120
70	120	130	52.7	155.4	18,900	18,900														130
70	120	140	48.7	146.3	17,400	17,400														140
70	120	150	44.4	135.7	16,100	16,100														150
70	120	160	39.7	123.3	14,900	14,900														160
70	120	170	34.4	108.5	13,900	13,900														170
70	120	180	28.1	89.8	13,000	13,000														180
70	120	190	19.7	63.4	12,300	12,300														190

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**348 HYLAB 5 - w/ 80" x 95" Heavy Duty Boom, w/ 39" x 48" Tubular Jib, w/ 221.1K+75K Cwt**  
Refer to the Tubular Jib Notes for Heavy Duty Boom in this Crane Rating Manual before operating the crane.

Boom Length (ft)	Jib Length (ft)	Jib Load Radius (ft)	Boom Angle (deg)	Jib Point Height (ft)	5 Degrees						15 Degrees						25 Degrees						Jib Load Radius (ft)
					Jib Capacity (lbs)			360°	Jib Capacity (lbs)			360°	Jib Capacity (lbs)			360°							
					Over End Blocked	Extended	Curve 1		Over End Blocked	Extended	Curve 31		Over End Blocked	Extended	Curve 32								
Retracted	Curve 5	Retracted	Curve 33	Retracted	Curve 5																		
70	140	46.48	82.0	217.3	33,100	33,100	33,100															46.48	
70	140	50	81.0	216.6	32,900	32,900	32,900															50	
70	140	60	78.3	214.2	31,700	31,700	31,700															60	
70	140	70	75.5	211.2	29,700	29,700	29,700															70	
70	140	80	72.6	207.7	27,800	27,800	27,800															80	
70	140	90	69.7	203.7	25,000	25,000	25,000															90	
70	140	100	66.8	199.0	22,300	22,300	22,300															100	
70	140	110	63.7	193.7	20,000	20,000	20,000															110	
70	140	120	60.6	187.6	18,100	18,100	18,100															120	
70	140	130	57.3	180.8	16,500	16,500	16,500															130	
70	140	140	53.9	173.1	15,100	15,100	15,100															140	
70	140	150	50.4	164.4	13,900	13,900	13,900															150	
70	140	160	46.6	154.4	12,800	12,800	12,800															160	
70	140	170	42.5	143.0	11,900	11,900	11,900															170	
70	140	180	38.0	129.8	11,000	11,000	11,000															180	
70	140	190	33.0	113.9	10,300	10,300	10,300															190	
70	140	200	27.0	94.1	9,700	9,700	9,700															200	
70	140	210	19.1	66.3	9,100	9,100	9,100															210	
90	40	26.77	82.0	139.7	128,000	128,000	128,000															26.77	
90	40	30	80.6	139.1	128,000	128,000	128,000															30	
90	40	35	78.4	138.0	126,600	126,600	126,600															35	
90	40	40	76.2	136.8	124,000	123,900	123,900															40	
90	40	50	71.7	133.6	116,500	116,500	116,500															50	
90	40	60	67.0	129.5	97,800	97,800	97,800															60	
90	40	70	62.2	124.5	84,300	84,300	84,300															70	
90	40	80	57.2	118.3	77,400	77,400	77,400															80	
90	40	90	51.8	110.7	68,800	68,800	68,800															90	
90	40	100	45.9	101.5	62,000	62,000	62,000															100	
90	40	110	39.4	90.1	56,600	56,600	56,600															110	
90	40	120	31.7	75.3	52,100	52,100	52,100															120	
90	40	130	21.6	54.0	48,500	48,500	48,500															130	

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348 HYLAB 5 - w/ 80" x 95" Heavy Duty Boom, w/ 39" x 48" Tubular Jib, w/ 221.1K+75K Cwt  
Refer to the Tubular Jib Notes for Heavy Duty Boom in this Crane Rating Manual before operating the crane.

Boom Length (ft)		Jib Length (ft)		Jib Load Radius (ft)		5 Degrees		15 Degrees		25 Degrees		Jib Load Radius (ft)	
						Boom Angle (deg)	Jib Point Height (ft)	Boom Angle (deg)	Jib Point Height (ft)	Boom Angle (deg)	Jib Point Height (ft)		
						Jib Capacity (lbs)		Jib Capacity (lbs)		Jib Capacity (lbs)			
						Over End Blocked	360° Extended	Over End Blocked	360° Extended	Over End Blocked	360° Extended	Over End Blocked	360° Retracted
						Curve 1	Curve 2	Curve 31	Curve 32	Curve 33	Curve 1	Curve 2	Curve 5
90	60	31.27	82.0	159.2	95,600	95,600							31.27
90	60	35	80.6	158.5	93,900	93,900							35
90	60	40	78.7	157.4	91,800	91,800							40
90	60	50	74.8	154.7	84,800	84,700							50
90	60	60	70.8	151.2	74,700	74,700	78.6	153.5	62,400	62,500			60
90	60	70	66.8	146.9	64,300	64,300	74.6	150.0	54,600	54,600			70
90	60	80	62.6	141.8	56,400	56,400	70.5	145.7	48,600	48,600			80
90	60	90	58.2	135.6	50,300	50,300	66.2	140.5	43,700	43,700			90
90	60	100	53.6	128.3	45,300	45,300	61.8	134.3	40,500	40,500			100
90	60	110	48.6	119.7	41,300	41,200	57.1	126.9	39,400	39,400			110
90	60	120	43.2	109.3	40,500	40,500	52.1	118.1	36,300	36,300			120
90	60	130	37.2	96.6	37,400	37,400	46.7	94.7	31,700	31,700			130
90	60	140	30.1	80.4	34,800	34,700	40.5	78.0	30,000	30,000			140
90	60	150	20.7	57.4	32,600	32,600	33.2	53.8	28,800	28,800			150
90	80	35.77	82.0	178.7	72,200	72,200							35.77
90	80	40	80.6	177.8	70,900	70,900							40
90	80	50	77.2	175.4	68,000	68,000							50
90	80	60	73.7	172.4	59,500	59,500	81.7	174.1	49,800	49,800			60
90	80	70	70.2	168.7	51,400	51,400	78.2	171.0	43,600	43,600			70
90	80	80	66.6	164.3	45,100	45,100	74.6	167.3	40,400	40,400			80
90	80	90	62.8	159.0	40,200	40,200	71.0	162.8	37,400	37,400			90
90	80	100	59.0	152.9	38,900	38,900	67.2	157.5	33,800	33,800			100
90	80	110	54.9	145.8	35,200	35,200	63.3	151.4	30,900	30,900			110
90	80	120	50.6	137.6	32,100	32,100	59.2	144.2	28,400	28,400			120
90	80	130	46.0	128.0	29,500	29,500	54.9	135.8	26,300	26,300			130
90	80	140	41.0	116.5	27,300	27,300	50.2	126.0	24,500	24,500			140
90	80	150	35.4	102.7	25,500	25,500	45.1	114.4	23,000	23,000			150
90	80	160	28.7	85.2	23,900	23,900	39.3	100.3	21,700	21,700			160
90	80	170	19.9	60.5	22,500	22,500	32.4	82.2	20,700	20,700			170
90	80	170	19.9	60.5	22,500	22,500	23.1	55.9	20,000	20,000			170

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**348 HYLAB 5 - w/ 80" x 95" Heavy Duty Boom, w/ 39" x 48" Tubular Jib, w/ 221.1K+75K Cwt**  
Refer to the Tubular Jib Notes for Heavy Duty Boom in this Crane Rating Manual before operating the crane.

Boom Length (ft)	Jib Length (ft)	Jib Load Radius (ft)	Boom Angle (deg)	Jib Point Height (ft)	5 Degrees					15 Degrees					25 Degrees					Jib Load Radius (ft)	
					Jib Capacity (lbs)			Over End Blocked	Curve 1	Jib Capacity (lbs)			Over End Blocked	Curve 31	Jib Capacity (lbs)			Over End Blocked	Curve 1		Curve 2
					360°	Extended	Retracted			360°	Extended	Retracted			360°	Extended	Retracted				
90	100	40.27	82.0	198.1	57,200	57,200	57,200													40.27	
90	100	50	79.0	196.1	55,100	55,100	55,100													50	
90	100	60	76.0	193.4	49,700	49,700	49,700													60	
90	100	70	72.9	190.1	43,000	43,000	43,000													70	
90	100	80	69.7	186.2	40,400	40,400	40,400													80	
90	100	90	66.4	181.6	36,100	36,100	36,100													90	
90	100	100	63.1	176.3	32,400	32,400	32,400													100	
90	100	110	59.6	170.3	29,300	29,300	29,300													110	
90	100	120	56.0	163.3	26,700	26,700	26,700													120	
90	100	130	52.2	155.4	24,500	24,500	24,500													130	
90	100	140	48.2	146.3	22,600	22,600	22,600													140	
90	100	150	43.9	135.7	21,000	21,000	21,000													150	
90	100	160	39.2	123.3	19,600	19,600	19,600													160	
90	100	170	33.8	108.5	18,400	18,400	18,400													170	
90	100	180	27.6	89.7	17,300	17,300	17,300													180	
90	100	190	19.2	63.4	16,400	16,400	16,400													190	
90	120	44.76	82.0	217.6	45,700	45,600	45,600													44.76	
90	120	50	80.6	216.6	44,300	44,300	44,300													50	
90	120	60	77.8	214.1	41,800	41,800	41,800													60	
90	120	70	75.0	211.2	37,800	37,800	37,800													70	
90	120	80	72.2	207.7	34,900	34,900	34,900													80	
90	120	90	69.3	203.6	30,900	30,900	30,900													90	
90	120	100	66.3	199.0	27,700	27,700	27,700													100	
90	120	110	63.2	193.6	25,000	25,000	25,000													110	
90	120	120	60.1	187.6	22,800	22,800	22,800													120	
90	120	130	56.9	180.8	20,900	20,900	20,900													130	
90	120	140	53.5	173.1	19,200	19,200	19,200													140	
90	120	150	49.9	164.3	17,800	17,800	17,800													150	
90	120	160	46.1	154.4	16,500	16,500	16,500													160	
90	120	170	42.0	143.0	15,400	15,400	15,400													170	
90	120	180	37.6	129.7	14,400	14,400	14,400													180	
90	120	190	32.5	113.9	13,600	13,600	13,600													190	
90	120	200	26.6	94.0	12,800	12,800	12,800													200	
90	120	210	18.6	66.2	12,200	12,200	12,200													210	

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**348 HYLAB 5 - w/ 80" x 95" Heavy Duty Boom, w/ 39" x 48" Tubular Jib, w/ 221.1K+75K Cwt**  
Refer to the Tubular Jib Notes for Heavy Duty Boom in this Crane Rating Manual before operating the crane.

Boom Length (ft)	Jib Length (ft)	Jib Load Radius (ft)	Jib Angle to Boom										Jib Load Radius (ft)		
			5 Degrees			15 Degrees			25 Degrees						
			Boom Angle (deg)	Jib Point Height (ft)	Jib Capacity (lbs)	Boom Angle (deg)	Jib Point Height (ft)	Jib Capacity (lbs)	Boom Angle (deg)	Jib Point Height (ft)	Jib Capacity (lbs)				
90	140	49.26	82.0	237.1	32,600	32,600	80.0	227.1	22,800	22,800	80.4	215.5	13,900	13,900	49.26
90	140	50	81.8	237.0	32,500	32,500	77.4	223.4	20,500	20,500	77.6	210.6	12,800	12,800	50
90	140	60	79.3	234.8	32,000	32,000	74.7	219.2	18,600	18,600	74.7	205.1	11,800	11,800	60
90	140	70	76.8	232.1	30,300	30,300	72.0	214.4	16,900	16,900	71.7	205.1	10,900	10,900	70
90	140	80	74.2	228.9	28,600	28,600	69.2	209.0	15,500	15,500	68.7	198.9	10,900	10,900	80
90	140	90	71.6	225.3	27,000	27,000	66.3	202.9	14,300	14,300	67.7	191.9	10,100	10,100	90
90	140	100	68.9	221.1	24,100	24,100	63.3	196.1	13,200	13,200	62.2	175.4	8,800	8,800	100
90	140	110	66.2	216.3	21,800	21,800	60.2	188.5	12,200	12,200	58.6	165.5	8,200	8,200	110
90	140	120	63.4	211.0	19,800	19,800	56.9	180.0	11,400	11,400	54.9	154.3	7,800	7,800	120
90	140	130	60.5	204.9	18,000	18,000	53.5	170.4	10,600	10,600	50.8	141.4	7,300	7,300	130
90	140	140	57.6	198.2	16,600	16,600	48.8	159.5	10,000	10,000	46.2	126.2	7,000	7,000	140
90	140	150	54.5	190.7	15,300	15,300	45.9	147.1	9,400	9,400	40.9	107.8	6,700	6,700	150
90	140	160	51.3	182.3	14,100	14,100	36.6	115.4	8,400	8,400	34.4	83.9	6,400	6,400	160
90	140	170	47.9	172.8	13,100	13,100	30.7	93.6	8,000	8,000					170
90	140	180	44.3	162.1	12,200	12,200	22.4	61.9	7,700	7,700					180
90	140	190	40.4	149.9	11,400	11,400									190
90	140	200	36.2	135.8	10,700	10,700									200
90	140	210	31.4	119.0	10,100	10,100									210
90	140	220	25.7	98.1	9,500	9,500									220
90	140	230	18.1	68.9	9,100	9,100									230
100	40	28.16	82.0	149.6	128,000	128,000									28.16
100	40	30	81.3	149.3	128,000	128,000	81.9	147.4	106,400	106,400					30
100	40	35	79.2	148.3	126,000	126,000	79.8	146.2	97,900	97,900					35
100	40	40	77.2	147.1	123,600	123,600	75.7	143.3	84,600	84,600					40
100	40	50	73.0	144.2	116,900	117,000	71.4	139.5	78,100	78,100					50
100	40	60	68.7	140.4	103,800	103,800	66.9	134.8	69,600	69,600					60
100	40	70	64.3	135.8	89,600	89,600	62.3	129.2	62,900	62,900					70
100	40	80	59.7	130.2	81,000	81,000	57.4	122.3	57,500	57,500					80
100	40	90	54.9	123.4	73,500	73,500	52.2	114.1	53,100	53,000					90
100	40	100	49.8	115.3	66,200	66,200	46.6	104.2	49,500	49,500					100
100	40	110	44.2	105.5	60,300	60,300	41.9	92.0	46,300	46,300					110
100	40	120	37.9	93.4	55,500	54,200	32.7	76.1	44,000	44,000					120
100	40	130	30.5	77.9	51,500	48,600									130
100	40	140	20.8	55.8	48,300	43,800									140

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**348 HYLAB 5 - w/80" x 95" Heavy Duty Boom, w/39" x 48" Tubular Jib, w/221.1K+75K Cwt**  
**Refer to the Tubular Jib Notes for Heavy Duty Boom in this Crane Rating Manual before operating the crane.**

**Jib Angle to Boom**

Boom Length (ft)	Jib Length (ft)	Jib Load Radius (ft)	5 Degrees								15 Degrees								25 Degrees								Jib Load Radius (ft)
			Boom Angle (deg)	Jib Point Height (ft)	Jib Capacity (lbs)			Boom Angle (deg)	Jib Point Height (ft)	Jib Capacity (lbs)			Boom Angle (deg)	Jib Point Height (ft)	Jib Capacity (lbs)												
					Over End Blocked	Extended	360° Retracted			Over End Blocked	Extended	360° Retracted			Over End Blocked	Extended	360° Retracted										
100	60	32.66	82.0	169.1	94,400	94,400																	32.66				
100	60	35	81.2	168.7	93,500	93,500																	35				
100	60	40	79.4	167.6	91,600	91,500																	40				
100	60	50	75.8	165.1	88,000	88,000																	50				
100	60	60	72.1	161.9	88,000	88,000																	60				
100	60	70	68.3	157.9	87,800	87,800																	70				
100	60	80	64.4	153.1	87,800	87,800																	80				
100	60	90	60.4	147.5	87,800	87,800																	90				
100	60	100	56.2	140.8	87,800	87,800																	100				
100	60	110	51.7	133.1	87,800	87,800																	110				
100	60	120	47.0	123.9	87,800	87,800																	120				
100	60	130	41.8	113.0	87,800	87,800																	130				
100	60	140	36.0	99.7	87,800	87,800																	140				
100	60	150	29.1	82.9	87,800	87,800																	150				
100	60	160	20.0	59.0	87,800	87,800																	160				
100	80	37.16	82.0	188.6	71,400	71,400																	37.16				
100	80	40	81.1	188.0	70,600	70,600																	40				
100	80	50	77.9	185.8	67,900	67,900																	50				
100	80	60	74.6	182.9	62,000	62,000																	60				
100	80	70	71.3	179.4	53,700	53,700																	70				
100	80	80	67.9	175.3	47,300	47,300																	80				
100	80	90	64.5	170.4	42,200	42,200																	90				
100	80	100	60.9	164.8	40,400	40,400																	100				
100	80	110	57.1	158.2	37,100	37,100																	110				
100	80	120	53.2	150.7	33,900	33,900																	120				
100	80	130	49.1	142.0	31,100	31,100																	130				
100	80	140	44.6	131.9	28,800	28,800																	140				
100	80	150	39.8	120.0	26,900	26,900																	150				
100	80	160	34.3	105.6	25,100	25,100																	160				
100	80	170	27.8	87.5	23,700	23,700																	170				
100	80	180	19.3	62.0	22,500	22,500																	180				

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348 HYLAB 5 - w/ 80" x 95" Heavy Duty Boom, w/ 39" x 48" Tubular Jib, w/ 221.1K+75K Cwt  
Refer to the Tubular Jib Notes for Heavy Duty Boom in this Crane Rating Manual before operating the crane.  
Jib Angle to Boom

Boom Length (ft)	Jib Length (ft)	Jib Load Radius (ft)	Boom Angle (deg)	Jib Point Height (ft)	5 Degrees					15 Degrees					25 Degrees					Jib Load Radius (ft)
					Jib Capacity (lbs)		360°	Retracted	Curve 5	Jib Capacity (lbs)		360°	Retracted	Curve 33	Jib Capacity (lbs)		360°	Retracted	Curve 5	
					Over End Blocked	Curve 1				Extended	Curve 2				Over End Blocked	Curve 31				
100	100	41.66	82.0	208.0	56,600	56,600														41.66
100	100	50	79.6	206.3	54,900	54,900														50
100	100	60	76.7	203.8	51,500	51,500														60
100	100	70	73.7	200.7	44,700	44,700														70
100	100	80	70.7	197.0	40,300	40,300														80
100	100	90	67.7	192.7	37,700	37,700														90
100	100	100	64.5	187.7	33,900	33,900														100
100	100	110	61.3	182.1	30,700	30,700														110
100	100	120	57.9	175.6	28,000	28,000														120
100	100	130	54.4	168.3	25,700	25,700														130
100	100	140	50.8	159.9	23,700	23,700														140
100	100	150	46.9	150.4	22,100	22,100														150
100	100	160	42.7	139.4	20,600	20,600														160
100	100	170	38.1	126.6	19,300	19,300														170
100	100	180	32.9	111.2	18,200	18,200														180
100	100	190	26.8	91.9	17,200	17,200														190
100	100	200	18.6	64.8	16,400	16,400														200
100	120	46.16	82.0	227.5	45,100	45,100														46.16
100	120	50	81.0	226.8	44,400	44,400														50
100	120	60	78.4	224.5	42,000	42,000														60
100	120	70	75.7	221.7	38,100	38,100														70
100	120	80	73.0	218.3	36,200	36,200														80
100	120	90	70.2	214.5	32,200	32,200														90
100	120	100	67.4	210.1	28,900	28,900														100
100	120	110	64.6	205.1	26,100	26,100														110
100	120	120	61.6	199.4	23,800	23,800														120
100	120	130	58.6	193.0	21,800	21,800														130
100	120	140	55.4	185.8	20,100	20,100														140
100	120	150	52.1	177.7	18,600	18,600														150
100	120	160	48.6	168.6	17,300	17,300														160
100	120	170	44.9	158.3	16,200	16,200														170
100	120	180	41.0	146.5	15,100	15,100														180
100	120	190	36.6	132.8	14,200	14,200														190
100	120	200	31.7	116.5	13,400	13,400														200
100	120	210	25.9	96.1	12,800	12,700														210
100	120	220	18.1	67.5	12,200	12,200														220
					<b>Prohibited</b>					<b>Prohibited</b>					<b>Prohibited</b>					
					<b>Prohibited</b>					<b>Prohibited</b>					<b>Prohibited</b>					
			80.9	219.9	30,100	30,100														
			78.2	212.7	27,000	27,000														
			75.4	208.2	24,400	24,400														
			72.6	203.1	22,300	22,200														
			69.7	197.4	20,300	20,300														
			66.7	194.4	18,700	18,700														
			63.6	190.9	17,300	17,300														
			60.4	183.7	16,100	16,100														
			57.1	175.5	15,100	15,100														
			53.6	166.3	14,100	14,100														
			49.8	155.8	13,300	13,300														
			45.8	143.8	12,600	12,600														
			41.3	129.7	11,900	11,900														
			36.3	112.9	11,400	11,400														
			30.2	91.7	10,900	10,900														
			21.8	60.8	10,600	10,600														

Link-Belt Construction Equipment Company  
348HYLAB5





**348 HYLAB 5 - w/ 80" x 95" Heavy Duty Boom, w/ 39" x 48" Tubular Jib, w/ 221.1K+75K Cwt**  
Refer to the Tubular Jib Notes for Heavy Duty Boom in this Crane Rating Manual before operating the crane.

Boom Length (ft)	Jib Length (ft)	Jib Load Radius (ft)	Boom Angle (deg)	Jib Point Height (ft)	5 Degrees						Boom Angle (deg)	Jib Point Height (ft)	15 Degrees						Boom Angle (deg)	Jib Point Height (ft)	25 Degrees						Jib Load Radius (ft)	
					Jib Capacity (lbs)			Over End Blocked	Curve 1	Jib Capacity (lbs)			Over End Blocked	Curve 31	Curve 32	Curve 33	Jib Capacity (lbs)				Over End Blocked	Curve 1	Curve 2	Curve 5				
					Extended	Retracted	Curve 2			360°							Retracted	Curve 5										
100	140	50.66	82.0	247.0	32,300	32,300	31,800	31,800																				50.66
100	140	60	79.7	245.0	31,800	31,800	30,600	30,500																				60
100	140	70	77.3	242.5	30,600	30,600	28,900	28,900																				70
100	140	80	74.9	239.5	28,900	28,900	27,300	27,300																				80
100	140	90	72.4	236.0	27,300	27,300	25,000	25,000																				90
100	140	100	69.8	232.0	25,000	25,000	22,600	22,600																				100
100	140	110	67.2	227.5	22,600	22,600	20,600	20,600																				110
100	140	120	64.6	222.4	20,600	20,600	18,800	18,800																				120
100	140	130	61.9	216.7	18,800	18,800	17,300	17,300																				130
100	140	140	59.1	210.3	17,300	17,300	15,900	15,900																				140
100	140	150	56.2	203.3	15,900	15,900	14,800	14,800																				150
100	140	160	53.2	195.4	14,800	14,800	13,700	13,700																				160
100	140	170	50.1	186.7	13,700	13,700	12,800	12,800																				170
100	140	180	46.8	176.9	12,800	12,800	12,000	12,000																				180
100	140	190	43.3	165.8	12,000	12,000	11,200	11,200																				190
100	140	200	39.5	153.2	11,200	11,200	10,600	10,600																				200
100	140	210	35.3	138.7	10,600	10,600	10,000	10,000																				210
100	140	220	30.7	121.5	10,000	10,000	9,500	9,500																				220
100	140	230	25.1	100.0	9,500	9,500	9,100	9,100																				230
100	140	240	17.6	70.1	9,100	9,100	8,800	8,800																				240
110	40	29.55	82.0	159.5	127,600	127,500	127,300	127,300																				29.55
110	40	30	81.8	159.4	127,300	127,300	125,100	125,100																				30
110	40	35	79.9	158.5	125,100	125,100	122,900	122,900																				35
110	40	40	78.0	157.4	122,900	122,900	116,600	116,600																				40
110	40	50	74.1	154.7	116,600	116,600	109,600	109,600																				50
110	40	60	70.2	151.2	109,600	109,600	103,800	103,800																				60
110	40	70	66.1	146.9	94,800	94,800	83,500	83,500																				70
110	40	80	61.9	141.8	83,500	83,500	78,100	78,100																				80
110	40	90	57.5	135.6	78,000	78,000	70,400	70,400																				90
110	40	100	52.9	128.4	70,400	70,400	60,400	60,400																				100
110	40	110	48.0	119.7	64,100	64,100	53,700	53,700																				110
110	40	120	42.6	109.3	58,900	58,900	48,000	48,000																				120
110	40	130	36.6	96.7	54,600	54,600	48,000	48,000																				130
110	40	140	29.5	80.5	50,600	50,600	43,300	43,300																				140
110	40	150	20.1	57.4	44,600	44,600	39,300	39,300																				150







**348 HYLAB 5 - w/ 80" x 95" Heavy Duty Boom, w/ 39" x 48" Tubular Jib, w/ 221.1K+75K Cwt**  
Refer to the Tubular Jib Notes for Heavy Duty Boom in this Crane Rating Manual before operating the crane.

Boom Length (ft)	Jib Length (ft)	Jib Load Radius (ft)	Jib Angle to Boom										Jib Load Radius (ft)										
			5 Degrees					15 Degrees						25 Degrees									
			Boom Angle (deg)	Jib Point Height (ft)	Over End Blocked	Extended	Retracted	Boom Angle (deg)	Jib Point Height (ft)	Over End Blocked	Extended	Retracted		Boom Angle (deg)	Jib Point Height (ft)	Over End Blocked	Extended	Retracted					
110	100	43.05	82.0	218.0	56,000	56,000	56,000															43.05	
110	100	50	80.1	216.6	54,700	54,700	54,700																50
110	100	60	77.3	214.1	52,700	52,700	52,700																60
110	100	70	74.5	211.2	46,300	46,300	46,300																70
110	100	80	71.7	207.7	40,900	40,800	40,800																80
110	100	90	68.8	203.6	39,300	39,300	39,300																90
110	100	100	65.8	199.0	35,300	35,300	35,300																100
110	100	110	62.8	193.6	32,000	32,000	32,000																110
110	100	120	59.6	187.6	29,300	29,300	29,300																120
110	100	130	56.4	180.8	26,900	26,900	26,900																130
110	100	140	53.0	173.1	24,900	24,900	24,900																140
110	100	150	49.4	164.3	23,100	23,100	23,100																150
110	100	160	45.6	154.4	21,600	21,600	21,600																160
110	100	170	41.6	143.0	20,200	20,200	20,200																170
110	100	180	37.1	129.7	19,000	19,000	19,000																180
110	100	190	32.1	113.9	18,000	18,000	18,000																190
110	100	200	26.1	94.0	17,100	17,100	17,100																200
110	100	210	18.1	66.2	16,300	16,300	16,300																210
110	120	47.55	82.0	237.4	44,500	44,500	44,500																47.55
110	120	50	81.4	237.0	44,400	44,400	44,400																50
110	120	60	78.9	234.8	42,200	42,200	42,200																60
110	120	70	76.3	232.1	38,300	38,300	38,300																70
110	120	80	73.8	228.9	36,500	36,500	36,500																80
110	120	90	71.1	225.3	33,400	33,400	33,400																90
110	120	100	68.5	221.1	30,000	30,000	30,000																100
110	120	110	65.8	216.3	27,200	27,200	27,200																110
110	120	120	63.0	210.9	24,800	24,800	24,800																120
110	120	130	60.1	204.9	22,700	22,700	22,700																130
110	120	140	57.1	198.2	21,000	21,000	21,000																140
110	120	150	54.1	190.7	19,400	19,400	19,400																150
110	120	160	50.9	182.2	18,100	18,100	18,100																160
110	120	170	47.5	172.8	16,900	16,900	16,900																170
110	120	180	43.9	162.1	15,900	15,800	15,800																180
110	120	190	40.0	149.9	14,900	14,900	14,900																190
110	120	200	35.8	135.8	14,100	14,100	14,100																200
110	120	210	30.9	119.0	13,300	13,300	13,300																210
110	120	220	25.2	98.1	12,700	12,700	12,700																220
110	120	230	17.7	68.8	12,200	12,100	12,100																230

**Prohibited**

**Prohibited**

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**Prohibited**





348 HYLAB 5 - w/ 80" x 95" Heavy Duty Boom, w/ 39" x 48" Tubular Jib, w/ 221.1K+75K Cwt  
Refer to the Tubular Jib Notes for Heavy Duty Boom in this Crane Rating Manual before operating the crane.

Jib Angle to Boom

Boom Length (ft)	Jib Length (ft)	Jib Load Radius (ft)	Boom Angle (deg)	Jib Point Height (ft)	5 Degrees					15 Degrees					25 Degrees					Jib Load Radius (ft)			
					Jib Capacity (lbs)			Over End Blocked	Curve 1	Jib Capacity (lbs)			Over End Blocked	Curve 31	Jib Capacity (lbs)			Over End Blocked	Curve 1		Jib Capacity (lbs)		
					360°	Extended	Retracted			360°	Extended	Retracted			360°	Extended	Retracted						
110	140	52.05	82.0	256.9	32,000	32,000	31,600	31,600													52.05		
110	140	60	80.2	255.3	31,600	31,600	30,700	30,700													60		
110	140	70	77.8	252.8	29,200	29,200	27,600	27,600													70		
110	140	80	75.5	249.9	27,600	27,600	26,900	26,900													80		
110	140	90	73.1	246.6	25,900	25,900	25,900	25,900													90		
110	140	100	70.7	242.8	23,400	23,400	23,400	23,400													100		
110	140	110	68.2	238.5	21,300	21,300	21,300	21,300													110		
110	140	120	65.7	233.6	19,500	19,500	19,500	19,500													120		
110	140	130	63.1	228.2	18,000	18,000	18,000	18,000													130		
110	140	140	60.5	222.2	16,600	16,600	16,600	16,600													140		
110	140	150	57.8	215.6	15,400	15,400	15,400	15,400													150		
110	140	160	55.0	208.2	14,300	14,300	14,300	14,300													160		
110	140	170	52.0	200.0	13,400	13,400	13,400	13,400													170		
110	140	180	49.0	191.0	12,500	12,500	12,500	12,500													180		
110	140	190	45.8	180.8	11,800	11,800	11,800	11,800													190		
110	140	200	42.3	169.4	11,100	11,100	11,100	11,100													200		
110	140	210	38.6	156.5	10,500	10,500	10,500	10,500													210		
110	140	220	34.6	141.6	9,900	9,900	9,900	9,900													220		
110	140	230	30.0	123.9	9,400	9,400	9,400	9,400													230		
110	140	240	24.5	101.9	9,000	9,000	9,000	9,000													240		
110	140	250	17.2	71.3	9,000	9,000	9,000	9,000													250		
120	40	30.94	82.0	169.4	125,400	125,400	123,800	123,800													30.94		
120	40	35	80.6	168.7	123,800	123,800	119,400	119,400													35		
120	40	40	78.8	167.7	121,800	121,800	115,900	115,900													40		
120	40	50	75.1	165.1	115,900	115,900	112,800	112,800													50		
120	40	60	71.5	161.9	112,800	112,800	109,900	109,900													60		
120	40	70	67.7	157.9	99,900	99,900	99,900	99,900													70		
120	40	80	63.8	153.1	88,100	88,100	88,100	88,100													80		
120	40	90	59.8	147.5	80,900	80,900	78,500	78,500													90		
120	40	100	55.6	140.9	74,500	74,500	68,200	68,200													100		
120	40	110	51.1	133.1	67,900	67,900	59,900	59,900													110		
120	40	120	46.4	123.9	62,200	62,200	53,100	53,100													120		
120	40	130	41.2	113.0	55,600	55,600	47,500	47,500													130		
120	40	140	35.4	99.8	50,100	50,100	42,700	42,700													140		
120	40	150	28.5	82.9	44,600	44,600	38,800	38,800													150		
120	40	160	19.4	59.1	39,900	39,900	35,200	35,200													160		

Prohibited

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348 HYLAB 5 - w/ 80" x 95" Heavy Duty Boom, w/ 39" x 48" Tubular Jib, w/ 221.1K+75K Cwt  
Refer to the Tubular Jib Notes for Heavy Duty Boom in this Crane Rating Manual before operating the crane.

Boom Length (ft)		Jib Length (ft)	Jib Load Radius (ft)	5 Degrees		15 Degrees		25 Degrees		Jib Load Radius (ft)					
				Boom Angle (deg)	Jib Point Height (ft)	Jib Capacity (lbs)		Boom Angle (deg)	Jib Point Height (ft)	Jib Capacity (lbs)		Jib Capacity (lbs)			
						Over End Blocked	360° Extended			Over End Blocked	360° Extended	Retracted			
						Curve 1	Curve 2			Curve 31	Curve 32	Curve 33			
						Prohibited				Prohibited		Prohibited			
120	60	35.44	82.0	188.9	91,700	91,600									35.44
120	60	40	80.6	188.0	90,200	90,200									40
120	60	50	77.3	185.8	87,200	87,200									50
120	60	60	74.1	182.9	81,900	81,900									60
120	60	70	70.8	179.5	74,400	74,400									70
120	60	80	67.4	175.3	65,600	65,600									80
120	60	90	63.9	170.4	58,600	58,600									90
120	60	100	60.3	164.8	53,000	53,000									100
120	60	110	56.6	158.3	48,300	48,300									110
120	60	120	52.7	150.7	44,400	44,400									120
120	60	130	48.5	142.0	41,100	41,100									130
120	60	140	44.1	131.9	40,500	40,500									140
120	60	150	39.2	120.0	38,300	38,300									150
120	60	160	33.8	105.7	36,000	36,000									160
120	60	170	27.3	87.6	33,900	32,900									170
120	60	180	18.7	62.0	32,300	30,100									180
120	80	39.94	82.0	208.4	69,500	69,500									39.94
120	80	40	82.0	208.4	69,500	69,500									40
120	80	50	79.1	206.3	67,300	67,300									50
120	80	60	76.2	203.8	65,200	65,200									60
120	80	70	73.2	200.7	58,100	58,100									70
120	80	80	70.2	197.0	51,300	51,300									80
120	80	90	67.2	192.7	45,900	45,900									90
120	80	100	64.0	187.7	41,500	41,500									100
120	80	110	60.8	182.1	40,400	40,400									110
120	80	120	57.4	175.6	37,300	37,300									120
120	80	130	53.9	168.3	34,300	34,400									130
120	80	140	50.3	159.9	31,800	31,800									140
120	80	150	46.4	150.4	29,600	29,600									150
120	80	160	42.2	139.4	27,700	27,700									160
120	80	170	37.6	126.6	26,100	26,100									170
120	80	180	32.4	111.2	24,600	24,600									180
120	80	190	26.3	91.9	23,400	23,400									190
120	80	200	18.2	64.8	22,400	22,400									200





**348 HYLAB 5 - w/ 80" x 95" Heavy Duty Boom, w/ 39" x 48" Tubular Jib, w/ 221.1K+75K Cwt**  
Refer to the Tubular Jib Notes for Heavy Duty Boom in this Crane Rating Manual before operating the crane.

Boom Length (ft)	Jib Length (ft)	Jib Load Radius (ft)	Boom Angle (deg)	Jib Point Height (ft)	5 Degrees					15 Degrees					25 Degrees					Jib Load Radius (ft)
					Jib Capacity (lbs)			Boom Angle (deg)	Jib Point Height (ft)	Jib Capacity (lbs)			Boom Angle (deg)	Jib Point Height (ft)	Jib Capacity (lbs)			Boom Angle (deg)	Jib Point Height (ft)	
					Over End Blocked	Extended	360° Retracted			Over End Blocked	Extended	360° Retracted			Over End Blocked	Extended	360° Retracted			
120	100	44.44	82.0	227.9	55,300	55,300	55,300													44.44
120	100	50	80.5	226.8	54,300	54,300	54,300													50
120	100	60	77.9	224.5	52,700	52,700	52,700													60
120	100	70	75.2	221.7	47,800	47,800	47,800													70
120	100	80	72.5	218.4	42,300	42,300	42,300													80
120	100	90	69.8	214.5	40,300	40,300	40,300													90
120	100	100	67.0	210.1	36,800	36,800	36,800													100
120	100	110	64.1	205.1	33,400	33,400	33,400													110
120	100	120	61.2	199.4	30,500	30,500	30,500													120
120	100	130	58.1	193.0	28,100	28,100	28,100													130
120	100	140	55.0	185.8	26,000	26,000	26,000													140
120	100	150	51.7	177.7	24,200	24,200	24,200													150
120	100	160	48.2	168.6	22,600	22,600	22,600													160
120	100	170	44.5	158.3	21,200	21,200	21,200													170
120	100	180	40.5	146.5	19,900	19,900	19,900													180
120	100	190	36.2	132.8	18,800	18,800	18,800													190
120	100	200	31.3	116.5	17,800	17,800	17,800													200
120	100	210	25.4	96.1	17,000	17,000	17,000													210
120	100	220	17.7	67.5	16,300	16,300	16,300													220
120	120	48.94	82.0	247.3	43,900	43,900	43,900													48.94
120	120	50	81.7	247.1	43,900	43,900	43,900													50
120	120	60	79.3	245.0	42,200	42,200	42,200													60
120	120	70	76.9	242.5	38,500	38,500	40,200													70
120	120	80	74.4	239.5	36,800	36,800	36,800													80
120	120	90	72.0	236.0	34,500	34,500	34,500													90
120	120	100	69.4	232.0	31,100	31,100	31,100													100
120	120	110	66.8	227.4	28,200	28,200	28,200													110
120	120	120	64.2	222.4	25,700	25,700	25,700													120
120	120	130	61.5	216.7	23,700	23,700	23,600													130
120	120	140	58.7	210.3	21,800	21,800	21,800													140
120	120	150	55.8	203.3	20,300	20,300	20,300													150
120	120	160	52.8	195.4	18,900	18,900	18,900													160
120	120	170	49.7	186.7	17,600	17,600	17,600													170
120	120	180	46.4	176.8	16,500	16,500	16,500													180
120	120	190	42.9	165.8	15,600	15,600	15,600													190
120	120	200	39.1	153.2	14,700	14,700	14,700													200
120	120	210	34.9	138.7	13,900	13,900	13,900													210
120	120	220	30.2	121.5	13,200	13,200	13,200													220
120	120	230	24.7	100.0	12,600	12,600	12,600													230
120	120	240	17.2	70.1	12,100	12,100	12,100													240

Link-Belt Construction Equipment Company  
348HYLAB5





**348 HYLAB 5 - w/ 80" x 95" Heavy Duty Boom, w/ 39" x 48" Tubular Jib, w/ 221.1K+75K Cwt**  
Refer to the Tubular Jib Notes for Heavy Duty Boom in this Crane Rating Manual before operating the crane.

Boom Length (ft)	Jib Length (ft)	Jib Load Radius (ft)	Boom Angle (deg)	Jib Point Height (ft)	5 Degrees						15 Degrees						25 Degrees						Jib Load Radius (ft)
					Jib Capacity (lbs)			Boom Angle (deg)	Jib Point Height (ft)	Jib Capacity (lbs)			Boom Angle (deg)	Jib Point Height (ft)	Jib Capacity (lbs)			Boom Angle (deg)	Jib Point Height (ft)	Jib Capacity (lbs)			
					Over End Blocked	Extended	Retracted			Over End Blocked	Extended	Retracted			Over End Blocked	Extended	Retracted						
120	140	53.44	82.0	266.8	31,600		31,600														53.44		
120	140	60	80.5	265.5	31,300		31,400														60		
120	140	70	78.3	263.2	30,900		30,900														70		
120	140	80	76.0	260.4	29,400		29,400														80		
120	140	90	73.8	257.2	27,900		27,900														90		
120	140	100	71.4	253.5	26,600		26,600														100		
120	140	110	69.1	249.4	24,200		24,200														110		
120	140	120	66.7	244.8	22,100		22,100														120		
120	140	130	64.2	239.7	20,300		20,300														130		
120	140	140	61.7	234.0	18,700		18,700														140		
120	140	150	59.2	227.7	17,300		17,300														150		
120	140	160	56.5	220.7	16,000		16,000														160		
120	140	170	53.8	213.0	14,900		14,900														170		
120	140	180	50.9	204.6	14,000		14,000														180		
120	140	190	47.9	195.2	13,100		13,100														190		
120	140	200	44.8	184.7	12,300		12,300														200		
120	140	210	41.4	173.0	11,600		11,600														210		
120	140	220	37.8	159.7	10,900		10,900														220		
120	140	230	33.8	144.4	10,400		10,400														230		
120	140	240	29.3	126.3	9,800		9,800														240		
120	140	250	24.0	103.8	9,400		9,400														250		
120	140	260	16.8	72.6	9,000		9,000														260		
130	40	32.34	82.0	179.3	123,000		123,000														32.34		
130	40	35	81.1	178.8	119,600		122,100														35		
130	40	40	79.4	177.9	117,900		117,900														40		
130	40	50	76.0	175.5	114,800		114,800														50		
130	40	60	72.6	172.5	111,900		111,900														60		
130	40	70	69.0	168.8	104,800		104,800														70		
130	40	80	65.4	164.3	92,600		91,100														80		
130	40	90	61.7	159.1	82,900		78,000														90		
130	40	100	57.8	153.0	78,500		67,600														100		
130	40	110	53.8	145.9	69,500		59,300														110		
130	40	120	49.5	137.7	61,600		52,600														120		
130	40	130	44.9	128.0	55,100		46,900														130		
130	40	140	39.9	116.6	49,300		42,200														140		
130	40	150	34.3	102.8	44,100		38,300														150		
130	40	160	27.6	85.3	39,900		34,700														160		
130	40	170	18.8	60.6	35,200		31,600														170		

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348 HYLAB 5 - w/ 80" x 95" Heavy Duty Boom, w/ 39" x 48" Tubular Jib, w/ 221.1K+75K Cwt  
Refer to the Tubular Jib Notes for Heavy Duty Boom in this Crane Rating Manual before operating the crane.

Boom Length (ft)	Jib Length (ft)	Jib Load Radius (ft)	Jib Angle to Boom										Jib Load Radius (ft)
			5 Degrees			15 Degrees			25 Degrees				
			Boom Angle (deg)	Jib Point Height (ft)	Jib Capacity (lbs)	Boom Angle (deg)	Jib Point Height (ft)	Jib Capacity (lbs)	Boom Angle (deg)	Jib Point Height (ft)	Jib Capacity (lbs)		
130	60	36.83	82.0	198.8	90,100	81.0	194.8	68,400	80.7	189.5	43,300	36.83	
130	60	40	81.0	198.2	89,200	81.0	192.1	60,800	77.6	186.1	40,400	40	
130	60	50	78.0	196.1	86,500	77.9	188.8	54,800	74.3	182.1	40,100	50	
130	60	60	74.9	193.4	83,900	74.8	184.9	49,800	71.6	178.3	37,400	60	
130	60	70	71.8	190.1	77,600	68.3	180.3	45,700	64.9	174.9	35,000	70	
130	60	80	68.6	186.2	68,500	64.9	168.8	40,400	61.4	168.8	33,000	80	
130	60	90	65.4	181.7	61,300	57.8	161.8	39,700	60.3	158.7	31,200	90	
130	60	100	62.0	176.4	55,400	53.9	153.8	37,300	56.3	150.4	29,700	100	
130	60	110	58.6	170.3	50,600	49.9	144.5	35,100	52.2	141.0	28,400	110	
130	60	120	55.0	163.4	46,500	45.5	133.8	33,100	47.7	130.0	27,300	120	
130	60	130	51.2	155.4	43,100	40.7	121.2	31,700	42.7	116.9	26,400	130	
130	60	140	47.2	146.3	40,100	35.3	106.1	30,400	37.0	101.1	25,700	140	
130	60	150	42.9	135.7	39,100	28.8	86.8	29,300	30.1	80.4	25,300	150	
130	60	160	38.1	123.4	37,800							160	
130	60	170	32.8	108.5	35,600							170	
130	60	180	26.5	89.8	33,700							180	
130	60	190	18.2	63.5	30,100							190	
130	80	41.33	82.0	218.3	68,500	80.5	212.6	47,300	81.1	206.4	33,200	41.33	
130	80	50	79.6	216.6	66,700	77.7	209.6	42,600	78.2	202.8	30,600	50	
130	80	60	76.9	214.2	64,800	74.8	206.1	40,300	75.2	198.7	28,500	60	
130	80	70	74.1	211.2	60,200	71.9	202.0	38,300	72.2	193.9	26,600	70	
130	80	80	71.2	207.7	53,300	68.9	197.3	35,300	69.0	188.4	25,000	80	
130	80	90	68.3	203.7	47,700	65.8	191.9	32,600	66.8	182.2	23,500	90	
130	80	100	65.4	199.0	43,200	62.6	185.8	30,400	62.5	175.1	22,300	100	
130	80	110	62.3	193.7	40,300	59.4	178.9	28,400	58.9	167.2	21,200	110	
130	80	120	59.2	187.6	39,000	55.9	171.1	26,700	55.2	158.1	20,300	120	
130	80	130	55.9	180.8	35,900	48.5	152.2	23,900	51.3	147.7	19,400	130	
130	80	140	52.5	173.1	33,300	44.3	140.6	22,800	47.0	135.7	18,700	140	
130	80	150	49.0	164.3	31,000	39.8	127.1	21,800	42.2	121.6	18,100	150	
130	80	160	45.2	154.4	29,000	36.6	110.8	20,900	36.8	104.4	17,700	160	
130	80	170	41.1	143.0	27,300	28.4	90.2	20,200	30.1	82.0	17,400	170	
130	80	180	36.6	129.7	25,800							180	
130	80	190	31.6	113.9	24,400							190	
130	80	200	25.6	94.0	23,300							200	
130	80	210	17.7	66.2	22,300							210	

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348 HYLAB 5 - w/ 80" x 95" Heavy Duty Boom, w/ 39" x 48" Tubular Jib, w/ 221.1K+75K Cwt  
Refer to the Tubular Jib Notes for Heavy Duty Boom in this Crane Rating Manual before operating the crane.

Jib Angle to Boom

Boom Length (ft)	Jib Length (ft)	Jib Load Radius (ft)	Boom Angle (deg)	Jib Point Height (ft)	5 Degrees			15 Degrees			25 Degrees			Jib Load Radius (ft)
					Over End Blocked	Extended	360° Retracted	Over End Blocked	Extended	360° Retracted	Over End Blocked	Extended	360° Retracted	
130	140	54.83	82.0	276.7	31,300	31,300	31,300							54.83
130	140	60	80.9	275.7	31,000	31,100	31,100							60
130	140	70	78.7	273.5	30,700	30,700	30,700							70
130	140	80	76.6	270.8	29,500	29,500	29,500							80
130	140	90	74.4	267.7	28,200	28,200	28,200							90
130	140	100	72.2	264.2	26,800	26,800	26,800							100
130	140	110	69.9	260.3	25,000	25,000	25,000							110
130	140	120	67.6	255.9	22,900	22,900	22,900							120
130	140	130	65.3	251.0	21,000	21,000	21,000							130
130	140	140	62.9	245.5	19,400	19,400	19,400							140
130	140	150	60.4	239.6	17,900	17,900	17,900							150
130	140	160	57.9	233.0	16,600	16,700	16,700							160
130	140	170	55.3	225.7	15,500	15,500	15,500							170
130	140	180	52.7	217.8	14,500	14,500	14,500							180
130	140	190	49.9	209.0	13,600	13,600	13,600							190
130	140	200	47.0	199.3	12,800	12,800	12,800							200
130	140	210	43.9	188.5	12,100	12,100	12,100							210
130	140	220	40.6	176.4	11,400	11,400	11,400							220
130	140	230	37.0	162.8	10,800	10,800	10,800							230
130	140	240	33.1	147.1	10,300	10,300	10,300							240
130	140	250	28.7	128.6	9,800	9,800	9,800							250
130	140	260	23.5	105.6	9,300	9,300	9,300							260
130	140	270	16.5	73.7	9,000	9,000	9,000							270
140	40	33.73	82.0	189.2	118,000	118,000	118,000							33.73
140	40	35	81.6	189.0	117,600	117,600	117,600							35
140	40	40	80.0	188.1	116,100	116,100	116,100							40
140	40	50	76.8	185.8	113,300	113,300	113,300							50
140	40	60	73.6	183.0	110,600	110,600	110,600							60
140	40	70	70.2	179.5	108,200	108,200	108,200							70
140	40	80	66.9	175.4	96,900	90,600	90,600							80
140	40	90	63.4	170.5	86,900	77,500	77,500							90
140	40	100	59.8	164.8	78,600	67,100	67,100							100
140	40	110	56.1	158.3	68,900	58,800	58,800							110
140	40	120	52.2	150.8	61,100	52,000	52,000							120
140	40	130	48.0	142.1	54,300	46,400	46,400							130
140	40	140	43.6	132.0	48,500	41,600	41,600							140
140	40	150	38.7	120.1	43,400	37,700	37,700							150
140	40	160	33.3	105.7	39,500	34,200	34,200							160
140	40	170	26.8	87.6	35,200	31,100	31,100							170
140	40	180	18.2	62.1	31,000	28,300	28,300							180

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348 HYLAB 5 - w/ 80" x 95" Heavy Duty Boom, w/ 39" x 48" Tubular Jib, w/ 221.1K+75K Cwt  
Refer to the Tubular Jib Notes for Heavy Duty Boom in this Crane Rating Manual before operating the crane.

Boom Length (ft)	Jib Length (ft)	Jib Load Radius (ft)	Jib Angle to Boom										Jib Load Radius (ft)		
			5 Degrees			15 Degrees			25 Degrees						
			Boom Angle (deg)	Jib Point Height (ft)	Jib Capacity (lbs)	Boom Angle (deg)	Jib Point Height (ft)	Jib Capacity (lbs)	Boom Angle (deg)	Jib Point Height (ft)	Jib Capacity (lbs)				
140	60	38.23	82.0	208.7	88,400	88,400	81.5	205.0	69,700	69,700	81.2	199.8	43,800	43,800	38.23
140	60	40	81.5	208.4	88,000	88,000	78.5	202.5	62,200	62,200	78.2	196.6	40,500	40,500	40
140	60	50	78.6	206.4	85,500	85,500	75.6	199.4	56,100	56,100	75.1	192.9	40,300	40,300	50
140	60	60	75.7	203.8	83,100	83,100	72.5	195.6	51,200	51,200	72.0	188.5	38,100	38,100	60
140	60	70	72.8	200.7	79,000	79,000	69.5	191.3	47,100	47,000	68.8	183.4	35,800	35,800	70
140	60	80	69.8	197.0	71,300	71,400	66.3	186.3	43,600	43,600	65.5	177.6	33,700	33,800	80
140	60	90	66.7	192.7	63,900	63,900	63.0	180.6	40,500	40,600	62.0	171.0	32,000	32,000	90
140	60	100	63.5	187.8	57,800	57,800	59.6	174.1	38,500	40,400	58.4	163.4	30,400	30,400	100
140	60	110	60.3	182.1	52,800	52,800	56.4	167.7	36,400	38,600	54.6	154.8	29,100	29,100	110
140	60	120	56.9	175.6	48,600	48,600	52.4	158.2	36,400	36,400	50.6	144.9	28,000	28,000	120
140	60	130	53.5	168.3	45,000	45,000	48.4	148.6	34,500	34,500	46.2	133.4	27,000	27,000	130
140	60	140	49.8	160.0	41,900	41,900	44.2	137.4	32,800	32,800	41.4	119.9	26,200	26,200	140
140	60	150	45.9	150.4	40,400	38,500	39.5	124.4	31,800	31,400	35.8	103.5	25,600	25,600	150
140	60	160	41.7	139.4	39,600	35,000	34.3	108.7	30,100	29,400					160
140	60	170	37.1	126.6	37,100	31,800	27.9	88.8	29,200	26,800					170
140	60	180	32.0	111.3	33,400	29,100									180
140	60	190	25.8	92.0	30,000	26,600									190
140	60	200	17.7	64.9	26,500	24,400									200
140	80	42.73	82.0	228.2	67,400	67,400									42.73
140	80	50	80.1	226.8	66,000	66,000									50
140	80	60	77.5	224.5	64,300	64,200	80.9	222.9	48,100	48,100					60
140	80	70	74.8	221.7	62,300	62,300	78.2	220.0	43,400	43,400					70
140	80	80	72.1	218.4	55,200	55,200	75.5	216.7	40,300	40,300					80
140	80	90	69.3	214.5	49,500	49,500	72.8	212.8	39,300	39,300					90
140	80	100	66.5	210.1	44,900	44,900	69.9	208.4	36,200	36,200					100
140	80	110	63.7	205.1	41,000	41,000	67.0	203.3	33,600	33,600					110
140	80	120	60.7	199.4	40,300	40,300	64.0	197.6	31,300	31,300					120
140	80	130	57.7	193.0	37,500	37,500	61.0	191.1	29,300	29,300					130
140	80	140	54.5	185.8	34,800	34,800	57.8	183.8	27,600	27,600					140
140	80	150	51.2	177.7	32,400	32,400	54.4	175.7	26,100	26,000					150
140	80	160	47.7	168.6	30,300	30,300	50.9	166.5	24,700	24,700					160
140	80	170	44.1	158.3	28,500	28,500	47.2	156.0	23,500	23,500					170
140	80	180	40.1	146.5	26,900	26,900	43.1	144.0	22,500	22,500					180
140	80	190	35.7	132.8	25,500	25,500	38.7	130.0	21,600	21,600					190
140	80	200	30.8	116.5	24,200	24,200	33.7	113.2	20,800	20,800					200
140	80	210	25.0	96.1	23,200	23,000	27.6	92.1	20,200	20,200					210
140	80	220	17.2	67.6	22,300	21,200									220

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348 HYLAB 5 - w/ 80" x 95" Heavy Duty Boom, w/ 39" x 48" Tubular Jib, w/ 221.1K+75K Cwt  
Refer to the Tubular Jib Notes for Heavy Duty Boom in this Crane Rating Manual before operating the crane.

Boom Length (ft)	Jib Length (ft)	Jib Load Radius (ft)	Boom Angle (deg)	Jib Point Height (ft)	5 Degrees					15 Degrees					25 Degrees					Jib Load Radius (ft)						
					Jib Capacity (lbs)			Over End Blocked	Curve 1	Jib Capacity (lbs)			Over End Blocked	Curve 31	Curve 32	Curve 33	Jib Capacity (lbs)				Over End Blocked	Curve 1	Curve 2	Curve 5		
					360°	Extended	Retracted			360°	Extended	Retracted					360°	Extended	Retracted							
140	100	47.22	82.0	247.7	53,800	53,800																			47.22	
140	100	50	81.3	247.2	53,400	53,400																				50
140	100	60	78.9	245.0	52,000	52,000																				60
140	100	70	76.5	242.5	50,500	50,500																				70
140	100	80	74.0	239.5	45,100	45,100	80.5	240.6	38,300	38,300																80
140	100	90	71.5	236.0	40,500	40,500	75.5	234.1	31,700	31,700																90
140	100	100	69.0	232.0	39,600	39,600	72.9	230.0	29,200	29,200																100
140	100	110	66.4	227.5	36,000	36,000	70.3	225.5	27,000	27,000																110
140	100	120	63.8	222.4	33,000	33,000	67.6	220.3	25,100	25,100																120
140	100	130	61.1	216.7	30,400	30,400	64.9	214.6	23,500	23,500																130
140	100	140	58.3	210.3	28,200	28,200	62.1	208.2	22,000	22,000																140
140	100	150	55.4	203.3	26,200	26,200	59.2	201.0	20,800	20,800																150
140	100	160	52.4	195.4	24,500	24,500	56.1	193.1	19,600	19,600																160
140	100	170	49.3	186.7	23,000	23,000	53.0	184.2	18,600	18,600																170
140	100	180	46.0	176.9	21,600	21,600	49.6	174.3	17,700	17,700																180
140	100	190	42.5	165.8	20,400	20,400	46.1	163.0	16,900	16,900																190
140	100	200	38.7	153.3	19,400	19,400	42.2	150.2	16,200	16,200																200
140	100	210	34.5	138.7	18,400	18,400	37.9	135.4	15,500	15,500																210
140	100	220	29.8	121.5	17,600	17,600	33.1	117.6	15,000	15,000																220
140	100	230	24.3	100.0	16,800	16,800	27.3	95.2	14,600	14,600																230
140	100	240	16.8	70.1	16,200	16,200																				240
140	120	51.72	82.0	267.1	42,600	42,600																				51.72
140	120	60	80.2	265.5	42,100	42,100																				60
140	120	70	77.9	263.2	40,300	40,300																				70
140	120	80	75.7	260.4	37,100	37,100	80.1	258.3	29,000	29,000																80
140	120	90	73.4	257.2	35,600	35,600	77.8	255.1	26,400	26,400																90
140	120	100	71.1	253.5	33,200	33,200	75.4	251.4	24,300	24,300																100
140	120	110	68.7	249.4	30,200	30,200	73.1	247.2	22,400	22,400																110
140	120	120	66.3	244.8	27,600	27,600	70.7	242.6	20,800	20,800																120
140	120	130	63.9	239.7	25,400	25,400	68.2	237.4	19,400	19,400																130
140	120	140	61.4	234.0	23,500	23,500	65.7	231.7	18,100	18,100																140
140	120	150	58.8	227.7	21,900	21,900	63.1	225.3	17,000	17,000																150
140	120	160	56.1	220.7	20,400	20,400	60.4	218.3	16,000	16,000																160
140	120	170	53.4	213.0	19,100	19,100	57.6	210.5	15,100	15,100																170
140	120	180	50.5	204.6	17,900	17,900	54.7	201.9	14,300	14,300																180
140	120	190	47.6	195.2	16,900	16,900	51.7	192.4	13,600	13,600																190
140	120	200	44.4	184.7	15,900	15,900	48.5	181.7	13,000	13,000																200
140	120	210	41.0	173.0	15,100	15,100	45.1	169.8	12,400	12,400																210
140	120	220	37.4	159.7	14,300	14,300	41.4	156.2	11,900	11,900																220
140	120	230	33.4	144.4	13,700	13,700	37.3	140.5	11,400	11,400																230
140	120	240	28.9	126.3	13,000	13,000	32.6	121.8	11,000	11,000																240
140	120	250	23.6	103.8	12,500	12,500	27.0	98.2	10,700	10,700																250
140	120	260	16.4	72.6	12,100	12,100																				260



**348 HYLAB 5 - w/ 80" x 95" Heavy Duty Boom, w/ 39" x 48" Tubular Jib, w/ 221.1K+75K Cwt**  
 Refer to the Tubular Jib Notes for Heavy Duty Boom in this Crane Rating Manual before operating the crane.

Boom Length (ft)	Jib Length (ft)	Jib Load Radius (ft)	5 Degrees			15 Degrees			25 Degrees			Jib Load Radius (ft)		
			Boom Angle (deg)	Jib Point Height (ft)	Jib Capacity (lbs) 360°	Boom Angle (deg)	Jib Point Height (ft)	Jib Capacity (lbs) 360°	Boom Angle (deg)	Jib Point Height (ft)	Jib Capacity (lbs) 360°			
				Over End Blocked	Extended Curve 2	Retracted Curve 5	Over End Blocked	Extended Curve 32	Retracted Curve 33	Over End Blocked	Extended Curve 1	Retracted Curve 5		
140	140	56.22	82.0	286.6	30,900	30,900								56.22
140	140	60	81.2	285.9	30,700	30,800								60
140	140	70	79.2	283.7	30,400	30,400								70
140	140	80	77.1	281.2	29,700	29,700								80
140	140	90	75.0	278.2	28,300	28,300								90
140	140	100	72.8	274.9	27,100	27,100								100
140	140	110	70.7	271.1	25,800	25,800								110
140	140	120	68.5	266.8	23,600	23,600								120
140	140	130	66.2	262.2	21,700	21,700								130
140	140	140	63.9	257.0	20,000	20,000								140
140	140	150	61.6	251.3	18,600	18,600								150
140	140	160	59.2	245.0	17,300	17,300								160
140	140	170	56.8	238.2	16,100	16,100								170
140	140	180	54.2	230.6	15,100	15,100								180
140	140	190	51.6	222.4	14,100	14,100								190
140	140	200	48.9	213.3	13,300	13,300								200
140	140	210	46.0	203.3	12,600	12,500								210
140	140	220	43.0	192.2	11,900	11,900								220
140	140	230	39.8	179.8	11,200	11,200								230
140	140	240	36.3	165.9	10,700	10,700								240
140	140	250	32.5	149.8	10,200	10,200								250
140	140	260	28.2	130.9	9,700	9,700								260
140	140	270	23.0	107.4	9,300	9,300								270
140	140	280	16.1	74.9	9,000	9,000								280
150	40	35.12	82.0	199.1	115,200	115,300	<b>Prohibited</b>							35.12
150	40	40	80.5	198.3	113,900	113,900								
150	40	50	77.5	196.1	111,300	111,300								50
150	40	60	74.4	193.4	108,900	108,900								60
150	40	70	71.3	190.2	106,700	106,700								70
150	40	80	68.1	186.3	101,200	90,000								80
150	40	90	64.9	181.7	88,000	76,900								90
150	40	100	61.5	176.4	77,500	66,500								100
150	40	110	58.1	170.4	67,900	58,200								110
150	40	120	54.5	163.4	60,300	51,400								120
150	40	130	50.7	155.5	53,300	45,800								130
150	40	140	46.7	146.3	47,600	41,000								140
150	40	150	42.3	135.8	42,500	37,200								150
150	40	160	37.6	123.4	38,900	33,600								160
150	40	170	32.3	108.6	34,800	30,500								170
150	40	180	26.0	89.9	30,900	27,800								180
150	40	190	17.7	63.6	27,200	25,300								190





348 HYLAB 5 - w/ 80" x 95" Heavy Duty Boom, w/ 39" x 48" Tubular Jib, w/ 221.1K+75K Cwt  
Refer to the Tubular Jib Notes for Heavy Duty Boom in this Crane Rating Manual before operating the crane.

Jib Angle to Boom

Boom Length (ft)	Jib Length (ft)	Jib Load Radius (ft)	Boom Angle (deg)	Jib Point Height (ft)	5 Degrees						15 Degrees						25 Degrees						Jib Load Radius (ft)		
					Jib Capacity (lbs)		Over End Blocked	Extended	Retracted	360°	Curve 1	Curve 2	Curve 3	Curve 4	Curve 5	Jib Capacity (lbs)		Over End Blocked	Extended	Retracted	360°	Curve 1		Curve 2	Curve 3
360°	Retracted	360°	Retracted	360°	Retracted																				
150	60	39.62	82.0	218.6	86,600	86,600																			39.62
150	60	40	81.9	218.5	86,500	86,500																			40
150	60	50	79.2	216.6	84,200	84,200																			50
150	60	60	76.4	214.2	82,100	82,100																			60
150	60	70	73.6	211.2	78,100	78,100																			70
150	60	80	70.8	207.7	74,200	74,100																			80
150	60	90	67.9	203.7	66,500	66,500																			90
150	60	100	64.9	199.0	60,200	60,200																			100
150	60	110	61.8	193.7	55,000	55,000																			110
150	60	120	58.7	187.7	50,700	50,700																			120
150	60	130	55.5	180.8	47,000	46,500																			130
150	60	140	52.1	173.1	43,700	41,800																			140
150	60	150	48.5	164.4	40,900	38,000																			150
150	60	160	44.7	154.4	40,300	34,400																			160
150	60	170	40.6	143.1	36,300	31,300																			170
150	60	180	36.2	129.8	32,800	28,500																			180
150	60	190	31.1	113.9	29,500	26,100																			190
150	60	200	25.2	94.1	26,400	23,900																			200
150	60	210	17.2	66.3	23,300	21,900																			210
150	80	44.12	82.0	238.1	66,200	66,200																			44.12
150	80	50	80.5	237.0	65,200	65,200																			50
150	80	60	78.0	234.8	63,500	63,500																			60
150	80	70	75.5	232.1	62,000	62,000																			70
150	80	80	72.9	229.0	57,100	57,100																			80
150	80	90	70.3	225.3	51,300	51,300																			90
150	80	100	67.6	221.1	46,500	46,500																			100
150	80	110	64.9	216.3	42,500	42,500																			110
150	80	120	62.1	211.0	40,300	40,300																			120
150	80	130	59.2	205.0	39,000	39,000																			130
150	80	140	56.3	198.2	36,200	36,200																			140
150	80	150	53.2	190.7	33,700	33,800																			150
150	80	160	50.0	182.3	31,600	31,600																			160
150	80	170	46.6	172.8	29,700	29,700																			170
150	80	180	43.0	162.1	28,600	28,600																			180
150	80	190	39.2	149.9	26,600	26,600																			190
150	80	200	34.9	135.8	25,200	24,400																			200
150	80	210	30.1	119.0	24,100	22,500																			210
150	80	220	24.4	98.1	22,600	20,700																			220
150	80	230	16.8	68.9	20,000	19,000																			230





348 HYLAB 5 - w/ 80" x 95" Heavy Duty Boom, w/ 39" x 48" Tubular Jib, w/ 221.1K+75K Cwt  
Refer to the Tubular Jib Notes for Heavy Duty Boom in this Crane Rating Manual before operating the crane.

Boom Length (ft)	Jib Length (ft)	Jib Load Radius (ft)	Boom Angle (deg)	Jib Point Height (ft)	5 Degrees					Boom Angle (deg)	Jib Point Height (ft)	15 Degrees					Boom Angle (deg)	Jib Point Height (ft)	25 Degrees					Jib Load Radius (ft)		
					Jib Capacity (lbs)		Over End Blocked	Curve 1	Jib Capacity (lbs)			Over End Blocked	Curve 31	Curve 32	Curve 33	Jib Capacity (lbs)			Over End Blocked	Curve 1	Curve 2	Curve 5				
					360°	Retracted			360°							Retracted							360°		Retracted	
150	100	48.62	82.0	257.6	52,900	52,900																			48.62	
150	100	50	81.7	257.3	52,800	52,700																				50
150	100	60	79.4	255.3	51,400	51,400																				60
150	100	70	77.0	252.8	50,200	50,200																				70
150	100	80	74.7	250.0	46,400	46,400																				80
150	100	90	72.3	246.6	41,700	41,700																				90
150	100	100	69.9	242.8	40,200	40,200																				100
150	100	110	67.4	238.5	37,300	37,300																				110
150	100	120	64.9	233.7	34,200	34,200																				120
150	100	130	62.3	228.3	31,500	31,500																				130
150	100	140	59.7	222.3	29,200	29,200																				140
150	100	150	57.0	215.6	27,200	27,200																				150
150	100	160	54.2	208.2	25,500	25,500																				160
150	100	170	51.2	200.1	23,900	23,900																				170
150	100	180	48.2	191.0	22,500	22,500																				180
150	100	190	45.0	180.8	21,300	21,300																				190
150	100	200	41.5	169.4	20,200	20,200																				200
150	100	210	37.8	156.5	19,200	19,200																				210
150	100	220	33.8	141.6	18,300	18,300																				220
150	100	230	29.2	123.9	17,500	17,500																				230
150	100	240	23.7	102.0	16,800	16,800																				240
150	100	250	16.4	71.4	16,200	16,200																				250
150	120	53.12	82.0	277.1	41,900	41,900																				53.12
150	120	60	80.5	275.7	41,600	41,700																				60
150	120	70	78.4	273.5	40,300	38,600																				70
150	120	80	76.2	270.8	37,100	37,100																				80
150	120	90	74.0	267.7	35,700	35,700																				90
150	120	100	71.8	264.2	34,200	34,200																				100
150	120	110	69.5	260.3	31,200	31,200																				110
150	120	120	67.2	255.9	28,600	28,500																				120
150	120	130	64.9	251.0	26,300	26,300																				130
150	120	140	62.5	245.5	24,400	24,400																				140
150	120	150	60.1	239.6	22,700	22,600																				150
150	120	160	57.6	233.0	21,100	21,100																				160
150	120	170	55.0	225.7	19,800	19,800																				170
150	120	180	52.3	217.8	18,600	18,600																				180
150	120	190	49.5	209.0	17,500	17,500																				190
150	120	200	46.6	199.3	16,600	16,600																				200
150	120	210	43.5	188.5	15,700	15,700																				210
150	120	220	40.2	176.4	14,900	14,900																				220
150	120	230	36.7	162.8	14,200	14,200																				230
150	120	240	32.8	147.1	13,500	13,500																				240
150	120	250	28.4	128.6	13,000	13,000																				250
150	120	260	23.1	105.7	12,500	12,500																				260
150	120	270	16.1	73.8	12,100	12,100																				270

Prohibited

Prohibited

Prohibited

Prohibited

Prohibited

Prohibited



**348 HYLAB 5 - w/ 80" x 95" Heavy Duty Boom, w/ 39" x 48" Tubular Jib, w/ 221.1K+75K Cwt**  
Refer to the Tubular Jib Notes for Heavy Duty Boom in this Crane Rating Manual before operating the crane.

Boom Length (ft)	Jib Length (ft)	Jib Load Radius (ft)	Jib Angle to Boom							Jib Load Radius (ft)					
			5 Degrees			15 Degrees			25 Degrees						
			Boom Angle (deg)	Jib Point Height (ft)	Jib Capacity (lbs)	Boom Angle (deg)	Jib Point Height (ft)	Jib Capacity (lbs)	Boom Angle (deg)		Jib Point Height (ft)	Jib Capacity (lbs)			
150	140	57.61	82.0	296.5	30,500	30,500	80.1	286.3	22,800	22,800	80.4	274.7	13,800	13,800	57.61
150	140	60	81.5	296.1	30,400	30,400	78.0	283.1	20,900	20,900	78.2	270.5	12,900	12,900	60
150	140	70	79.5	294.0	30,100	30,100	76.0	279.4	19,300	19,300	76.0	265.9	12,100	12,100	70
150	140	80	77.5	291.5	29,700	29,700	73.8	275.3	17,900	17,900	73.8	260.8	11,300	11,300	80
150	140	90	75.5	288.7	28,500	28,500	71.7	270.8	16,600	16,600	71.5	255.1	10,700	10,700	90
150	140	100	73.4	285.4	27,200	27,300	69.5	265.8	15,500	15,500	69.5	249.0	10,100	10,100	100
150	140	110	71.4	281.8	26,100	26,100	67.2	260.3	14,500	14,500	67.2	242.2	9,500	9,500	110
150	140	120	69.2	277.7	24,300	24,300	64.9	254.2	13,600	13,600	64.2	234.8	9,000	9,000	120
150	140	130	67.1	273.2	22,400	22,400	62.6	247.6	12,800	12,800	62.6	226.8	8,600	8,600	130
150	140	140	64.9	268.3	20,700	20,700	60.1	240.4	12,100	12,100	60.1	217.9	8,200	8,200	140
150	140	150	62.7	262.8	19,200	19,200	57.6	232.5	11,400	11,400	57.6	208.1	7,800	7,800	150
150	140	160	60.4	256.9	17,900	17,900	55.0	223.9	10,800	10,800	55.0	197.3	7,500	7,500	160
150	140	170	58.1	250.3	16,700	16,700	52.3	214.4	10,300	10,300	52.3	185.3	7,200	7,200	170
150	140	180	55.7	243.2	15,600	15,600	49.4	203.9	9,800	9,800	49.4	171.8	6,900	6,900	180
150	140	190	53.2	235.4	14,700	14,700	47.1	192.4	9,300	9,300	47.1	156.3	6,700	6,700	190
150	140	200	50.6	226.9	13,800	13,800	43.2	179.4	8,900	8,900	43.2	138.4	6,500	6,500	200
150	140	210	48.0	217.5	13,000	13,000	39.7	164.8	8,600	8,600	39.7	116.6	6,300	6,300	210
150	140	220	45.2	207.2	12,300	12,300	35.9	147.9	8,200	8,200	35.9	93.0	6,100	6,100	220
150	140	230	42.2	195.9	11,700	11,700	31.4	127.8	7,800	7,800	31.4	71.2	5,900	5,900	230
150	140	240	39.0	183.2	11,100	11,100	26.1	102.6	7,400	7,400	26.1	51.0	5,700	5,700	240
150	140	250	35.6	168.9	10,600	10,600									250
150	140	260	31.9	152.4	10,100	10,100									260
150	140	270	27.6	133.1	9,600	9,600									270
150	140	280	22.6	109.2	9,300	9,300									280
150	140	290	15.8	76.1	9,000	9,000									290
160	40	36.51	82.0	209.0	112,200	112,200									36.51
160	40	40	81.0	208.4	111,300	111,300									40
160	40	50	78.1	206.4	109,000	109,000									50
160	40	60	75.2	203.9	106,800	106,700									60
160	40	70	72.3	200.7	104,700	104,700									70
160	40	80	69.3	197.1	101,300	89,500									80
160	40	90	66.2	192.8	86,700	76,400									90
160	40	100	63.1	187.8	76,300	66,000									100
160	40	110	59.8	182.2	66,800	57,600									110
160	40	120	56.5	175.7	58,900	50,900									120
160	40	130	53.0	168.4	52,300	45,200									130
160	40	140	49.3	160.0	46,600	40,400									140
160	40	150	45.4	150.5	41,700	36,600									150
160	40	160	41.2	139.5	38,200	33,100									160
160	40	170	36.6	126.7	34,100	30,000									170
160	40	180	31.5	111.3	30,500	27,200									180
160	40	190	25.4	92.1	27,000	24,700									190
160	40	200	17.2	65.1	23,700	22,500									200







348 HYLAB 5 - w/ 80" x 95" Heavy Duty Boom, w/ 39" x 48" Tubular Jib, w/ 221.1K+75K Cwt  
Refer to the Tubular Jib Notes for Heavy Duty Boom in this Crane Rating Manual before operating the crane.  
Jib Angle to Boom

Boom Length (ft)	Jib Length (ft)	Jib Load Radius (ft)	5 Degrees					15 Degrees					25 Degrees					Jib Load Radius (ft)		
			Boom Angle (deg)	Jib Point Height (ft)	Over End Blocked	Extended	360° Retracted	Boom Angle (deg)	Jib Point Height (ft)	Over End Blocked	Extended	360° Retracted	Boom Angle (deg)	Jib Point Height (ft)	Over End Blocked	Extended	360° Retracted			
160	100	50.01	82.0	267.5	52,000	52,000	50,800	50,800	50,800	50,800	81.2	261.2	39,500	39,500	39,500	39,500	39,500	39,500	39,500	50.01
160	100	60	79.8	265.5	50,800	50,800	49,700	49,700	49,700	49,700	79.0	258.4	36,000	36,000	36,000	36,000	36,000	36,000	36,000	60
160	100	70	77.5	263.2	49,700	49,700	47,700	47,700	47,700	47,700	76.6	255.2	33,000	33,000	33,000	33,000	33,000	33,000	33,000	70
160	100	80	75.3	260.4	47,700	47,700	43,000	43,000	43,000	43,000	74.3	251.5	30,500	30,500	30,500	30,500	30,500	30,500	30,500	80
160	100	90	73.0	257.2	43,000	43,000	40,200	40,200	40,200	40,200	71.9	247.4	28,200	28,300	28,300	28,300	28,300	28,300	28,300	90
160	100	100	70.7	253.6	40,200	40,200	38,600	38,600	38,600	38,600	69.5	242.7	26,400	26,400	26,400	26,400	26,400	26,400	26,400	100
160	100	110	68.3	249.4	38,600	38,600	35,400	35,400	35,400	35,400	67.1	237.5	24,700	24,700	24,700	24,700	24,700	24,700	24,700	110
160	100	120	65.9	244.8	35,400	35,400	32,600	32,600	32,600	32,600	64.5	232.4	23,200	23,200	23,200	23,200	23,200	23,200	23,200	120
160	100	130	63.5	239.7	32,600	32,600	30,300	30,300	30,300	30,300	61.9	225.4	21,800	21,900	21,900	21,900	21,900	21,900	21,900	130
160	100	140	61.0	234.0	30,300	30,300	28,200	28,200	28,200	28,200	59.2	218.4	20,700	20,700	20,700	20,700	20,700	20,700	20,700	140
160	100	150	58.4	227.7	28,200	28,200	26,400	26,400	26,400	26,400	56.5	210.6	19,700	19,700	19,700	19,700	19,700	19,700	19,700	150
160	100	160	55.8	220.7	26,400	26,400	24,800	24,800	24,800	24,800	53.6	202.0	18,700	18,700	18,700	18,700	18,700	18,700	18,700	160
160	100	170	53.0	213.1	24,800	24,800	23,100	23,100	23,100	23,100	50.6	192.5	17,900	17,900	17,900	17,900	17,900	17,900	17,900	170
160	100	180	50.2	204.6	23,100	23,100	22,100	22,100	22,100	22,100	47.4	181.9	17,100	17,100	17,100	17,100	17,100	17,100	17,100	180
160	100	190	47.2	195.2	22,100	22,100	20,900	20,900	20,900	20,900	43.9	170.0	16,400	16,400	16,400	16,400	16,400	16,400	16,400	190
160	100	200	44.0	184.7	20,900	20,900	19,900	19,900	19,900	19,900	40.2	156.4	15,800	15,800	15,800	15,800	15,800	15,800	15,800	200
160	100	210	40.7	173.0	19,900	19,900	18,900	18,900	18,900	18,900	36.2	140.7	15,300	15,300	15,300	15,300	15,300	15,300	15,300	210
160	100	220	37.1	159.7	19,000	19,000	18,100	18,100	18,100	18,100	33.5	122.0	14,800	14,800	14,800	14,800	14,800	14,800	14,800	220
160	100	230	33.1	144.4	18,100	18,100	17,400	17,400	17,400	17,400	25.9	98.5	14,500	14,500	14,500	14,500	14,500	14,500	14,500	230
160	100	240	28.6	126.3	17,400	17,400	16,000	16,000	16,000	16,000										240
160	100	250	23.2	103.8	16,000	16,000	14,800	14,800	14,800	14,800										250
160	100	260	16.1	72.6	14,800	14,800														260
160	120	54.51	82.0	287.0	41,200	41,200														54.51
160	120	60	80.9	285.9	39,900	41,000														60
160	120	70	78.8	283.7	39,900	38,400														70
160	120	80	76.7	281.2	37,100	37,100														80
160	120	90	74.6	278.2	35,700	35,800														90
160	120	100	72.5	274.9	34,500	34,500														100
160	120	110	70.3	271.1	32,100	32,100														110
160	120	120	68.1	266.9	29,500	29,500														120
160	120	130	65.9	262.2	27,200	27,200														130
160	120	140	63.6	257.0	25,200	25,200														140
160	120	150	61.3	251.3	23,400	23,400														150
160	120	160	58.9	245.0	21,900	21,900														160
160	120	170	56.4	238.2	20,500	20,500														170
160	120	180	53.9	230.6	19,300	19,300														180
160	120	190	51.3	222.4	18,200	18,200														190
160	120	200	48.5	213.3	17,200	17,200														200
160	120	210	45.7	203.3	16,300	16,300														210
160	120	220	42.7	192.2	15,500	15,500														220
160	120	230	39.4	179.8	14,700	14,700														230
160	120	240	36.0	165.9	14,000	14,000														240
160	120	250	32.1	149.8	13,400	13,400														250
160	120	260	27.8	130.9	12,900	12,900														260
160	120	270	22.6	107.5	12,400	12,400														270
160	120	280	15.8	74.9	12,000	12,000														280

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348 HYLAB 5 - w/ 80" x 95" Heavy Duty Boom, w/ 39" x 48" Tubular Jib, w/ 221.1K+75K Cwt  
Refer to the Tubular Jib Notes for Heavy Duty Boom in this Crane Rating Manual before operating the crane.

Jib Angle to Boom

Boom Length (ft)	Jib Length (ft)	Jib Load Radius (ft)	Boom Angle (deg)	Jib Point Height (ft)	5 Degrees					15 Degrees					25 Degrees					Jib Load Radius (ft)				
					Jib Capacity (lbs)			Boom Angle (deg)	Jib Point Height (ft)	Jib Capacity (lbs)			Boom Angle (deg)	Jib Point Height (ft)	Jib Capacity (lbs)									
					Over End Blocked	Extended	Retracted			Over End Blocked	Extended	Retracted			Over End Blocked	Extended	Retracted							
																		Curve 1	Curve 2		Curve 5	Curve 31	Curve 32	Curve 33
160	140	59.01	82.0	306.4	30,100	30,100	30,100																59.01	
160	140	60	81.8	306.3	30,100	30,100	30,100																	60
160	140	70	79.9	304.2	29,700	29,700	29,700																	70
160	140	80	77.9	301.8	29,400	29,400	29,400																	80
160	140	90	76.0	299.1	28,600	28,600	28,600																	90
160	140	100	74.0	296.0	27,400	27,400	27,400																	100
160	140	110	72.0	292.5	26,300	26,300	26,300																	110
160	140	120	70.0	288.6	25,000	25,000	25,000																	120
160	140	130	67.9	284.3	23,100	23,100	23,100																	130
160	140	140	65.8	279.5	21,300	21,300	21,300																	140
160	140	150	63.7	274.3	19,800	19,800	19,800																	150
160	140	160	61.5	268.6	18,500	18,500	18,500																	160
160	140	170	59.3	262.4	17,300	17,300	17,200																	170
160	140	180	57.0	255.6	16,200	16,200	16,200																	180
160	140	190	54.6	248.2	15,200	15,200	15,200																	190
160	140	200	52.2	240.1	14,300	14,300	14,300																	200
160	140	210	49.7	231.3	13,500	13,500	13,500																	210
160	140	220	47.1	221.7	12,800	12,800	12,800																	220
160	140	230	44.3	211.1	12,100	12,100	12,100																	230
160	140	240	41.4	199.4	11,500	11,500	11,500																	240
160	140	250	38.3	186.4	11,000	11,000	11,000																	250
160	140	260	35.0	171.8	10,400	10,400	10,500																	260
160	140	270	31.3	155.0	10,000	10,000	10,000																	270
160	140	280	27.1	135.3	9,600	9,600	9,600																	280
160	140	290	22.1	111.0	9,200	9,200	9,200																	290
160	140	300	15.5	77.2	8,900	8,900	8,900																	300
170	40	37.9	82.0	218.9	108,800	108,800	108,800																	37.9
170	40	40	81.4	218.6	108,400	108,400	108,400																	40
170	40	50	78.7	216.6	106,200	106,200	106,200																	50
170	40	60	75.9	214.2	104,100	104,100	104,100																	60
170	40	70	73.1	211.3	102,200	102,200	95,100																	70
170	40	80	70.3	207.8	100,200	88,900	79,400																	80
170	40	90	67.4	203.7	85,500	75,800	67,400																	90
170	40	100	64.4	199.1	75,100	65,100	58,100																	100
170	40	110	61.4	193.7	65,700	57,100	50,600																	110
170	40	120	58.2	187.7	57,800	50,300	44,500																	120
170	40	130	55.0	180.9	51,200	44,600	39,700																	130
170	40	140	51.6	173.2	45,600	40,200	35,400																	140
170	40	150	48.0	164.4	40,800	36,100	31,700																	150
170	40	160	44.3	154.5	37,300	32,500	28,400																	160
170	40	170	40.2	143.1	33,400	29,400	25,600																	170
170	40	180	35.7	129.9	29,800	26,600	23,100																	180
170	40	190	30.7	114.0	26,800	24,200	20,900																	190
170	40	200	24.7	94.2	23,500	22,000	18,900																	200
170	40	210	16.8	66.5	20,500	20,000	17,000																	210

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**348 HYLAB 5 - w/ 80" x 95" Heavy Duty Boom, w/ 39" x 48" Tubular Jib, w/ 221.1K+75K Cwt**  
Refer to the Tubular Jib Notes for Heavy Duty Boom in this Crane Rating Manual before operating the crane.

Boom Length (ft)	Jib Length (ft)	Jib Load Radius (ft)	Boom Angle (deg)	Jib Point Height (ft)	5 Degrees					15 Degrees					25 Degrees					Jib Load Radius (ft)
					Jib Capacity (lbs)			Boom Angle (deg)	Jib Point Height (ft)	Jib Capacity (lbs)			Boom Angle (deg)	Jib Point Height (ft)	Jib Capacity (lbs)					
					Over End Blocked	Extended	360° Retracted			Over End Blocked	Extended	360° Retracted			Over End Blocked	Extended	360° Retracted			
170	60	42.4	82.0	238.4	82,500	82,500	80,300	80.1	233.4	65,700	65,700	65,700	79.8	227.9	42,000	42,000	42,000	42.4		
170	60	50	80.1	237.0	79,000	81,000	80,300	80.1	230.7	59,800	59,800	59,800	77.2	224.7	40,300	42,000	42,000	50		
170	60	60	77.6	234.8	77,300	77,300	77,300	77.5	227.6	54,800	54,800	54,800	74.5	221.0	40,300	40,300	40,300	60		
170	60	70	75.0	232.1	75,700	75,700	75,700	74.9	227.6	50,700	50,700	50,700	71.8	216.7	37,900	37,900	37,900	70		
170	60	80	72.5	229.0	74,200	74,200	74,200	72.3	223.9	47,100	47,100	47,100	69.0	211.8	35,900	35,900	35,900	80		
170	60	90	69.9	225.3	71,500	71,500	68,300	69.6	219.6	44,000	44,000	44,000	66.2	206.3	34,100	34,100	34,100	90		
170	60	100	67.2	221.1	64,900	64,900	58,900	66.9	214.8	41,400	41,400	41,400	63.2	200.2	32,500	32,500	32,500	100		
170	60	110	64.5	216.4	59,400	57,900	51,400	64.1	209.4	40,300	40,300	40,300	60.2	195.3	31,100	31,100	31,100	110		
170	60	120	61.7	211.0	54,700	51,000	45,200	61.2	203.4	39,900	39,900	36,900	57.0	185.5	29,900	29,900	29,900	120		
170	60	130	58.8	205.0	50,700	45,400	40,000	58.2	196.6	37,900	37,500	33,100	54.2	176.9	28,800	28,800	28,800	130		
170	60	140	55.9	198.3	46,600	40,600	36,100	55.1	189.0	36,000	33,900	29,800	50.2	167.1	27,800	27,800	27,800	140		
170	60	150	52.8	190.7	41,800	36,800	32,400	48.4	170.9	34,400	30,700	26,600	46.5	156.0	26,300	24,300	24,300	150		
170	60	160	49.6	182.3	38,500	33,200	29,200	44.8	160.1	31,900	27,900	23,900	42.5	143.2	26,300	25,300	25,300	160		
170	60	170	46.2	172.9	34,700	30,100	26,300	40.8	147.8	28,700	24,900	21,600	38.0	128.3	25,600	22,900	22,900	170		
170	60	180	42.6	162.2	31,200	27,400	23,800	36.5	133.4	25,700	22,700	19,500	32.8	110.3	22,700	20,800	20,800	180		
170	60	190	38.7	150.0	28,100	24,900	21,600	31.6	116.2	22,400	20,600	17,600						190		
170	60	200	34.5	135.9	25,200	22,700	19,600	25.7	94.6	20,400	19,100	16,300						200		
170	60	210	29.7	119.1	22,500	20,800	17,800											210		
170	60	220	24.0	98.2	20,000	19,000	16,100											220		
170	60	230	16.4	69.0	17,500	17,300	14,600											230		
170	80	46.9	82.0	257.9	63,500	63,500	63,500											46.9		
170	80	50	81.3	257.3	63,100	63,100	63,100											50		
170	80	60	79.0	255.3	61,700	61,700	61,700											60		
170	80	70	76.7	252.9	60,300	60,300	60,300	79.7	251.1	45,700	45,700	45,700	80.2	244.8	32,200	32,200	32,200	70		
170	80	80	74.3	250.0	59,000	59,000	59,000	77.3	248.2	41,900	41,800	41,900	77.7	241.3	30,200	30,200	30,200	80		
170	80	90	71.9	246.6	54,700	54,700	54,700	74.9	244.9	40,200	40,200	40,200	75.3	237.4	28,400	28,400	28,400	90		
170	80	100	69.5	242.8	49,700	49,700	49,700	72.5	241.0	38,900	38,900	38,900	72.7	233.0	26,800	26,800	26,800	100		
170	80	110	67.0	238.5	45,500	45,500	45,500	70.0	236.7	36,200	36,200	36,200	70.2	228.1	25,400	25,400	25,400	110		
170	80	120	64.5	233.7	41,900	41,900	41,900	67.5	231.8	33,900	33,900	33,900	67.5	222.5	24,200	24,200	24,200	120		
170	80	130	61.9	228.3	40,300	40,300	40,300	64.9	226.4	31,800	31,800	31,800	64.8	216.4	23,100	23,100	23,100	130		
170	80	140	59.3	222.3	39,100	39,000	36,700	62.2	220.3	30,000	30,000	30,000	62.0	209.5	22,100	22,100	22,100	140		
170	80	150	56.6	215.6	36,400	36,400	36,400	59.5	213.6	28,400	28,400	28,400	59.1	201.9	21,200	21,200	21,200	150		
170	80	160	53.8	208.3	34,100	33,800	33,800	56.6	206.2	27,000	26,900	26,900	56.1	193.5	20,400	20,400	20,400	160		
170	80	170	50.9	200.1	32,100	30,700	26,900	53.7	197.9	25,700	25,700	25,700	52.9	184.1	19,700	19,700	19,700	170		
170	80	180	47.8	191.0	30,300	27,500	24,400	50.6	188.7	24,500	23,500	22,500	49.6	173.5	19,100	19,100	19,100	180		
170	80	190	44.6	180.9	28,700	25,500	22,100	47.3	178.4	23,500	22,600	20,700	46.0	161.6	18,500	18,500	18,500	190		
170	80	200	41.1	169.5	26,300	23,300	20,100	43.8	166.9	22,600	22,600	20,700	42.1	147.9	18,100	18,100	18,100	200		
170	80	210	37.5	156.6	23,700	21,300	18,300	40.1	153.7	21,800	21,800	18,800	37.7	131.9	17,700	17,700	17,700	210		
170	80	220	33.4	141.6	21,400	19,500	16,700	35.9	138.5	21,100	19,900	16,700	32.7	112.7	17,400	17,400	17,400	220		
170	80	230	28.8	124.0	19,100	17,900	15,200	31.2	120.3	19,700	18,200	15,100						230		
170	80	240	23.3	102.0	17,000	16,400	13,800	25.5	97.4	17,400	16,600	14,000						240		
170	80	250	16.1	71.5	14,800	14,800	12,600											250		



348 HYLAB 5 - w/80" x 95" Heavy Duty Boom, w/39" x 48" Tubular Jib, w/221.1K+75K Cwt  
Refer to the Tubular Jib Notes for Heavy Duty Boom in this Crane Rating Manual before operating the crane.

Boom Length (ft)	Jib Length (ft)	Jib Load Radius (ft)	Boom Angle (deg)	Jib Point Height (ft)	5 Degrees						Boom Angle (deg)	Jib Point Height (ft)	15 Degrees						Boom Angle (deg)	Jib Point Height (ft)	25 Degrees						Jib Load Radius (ft)										
					Jib Capacity (lbs)			360°					Jib Capacity (lbs)			360°					Jib Capacity (lbs)			360°													
					Over End Blocked	Extended	Retracted	Over End Blocked	Extended	Retracted			Over End Blocked	Extended	Retracted	Over End Blocked	Extended	Retracted			Over End Blocked	Extended	Retracted														
170	100	51.4	82.0	277.4	51,100	51,100	51,100																														51.4
170	100	60	80.2	275.7	50,100	50,100	50,100																													60	
170	100	70	78.0	273.5	49,000	49,000	49,000																													70	
170	100	80	75.8	270.8	48,000	48,000	48,000																													80	
170	100	90	73.7	267.7	44,200	44,200	44,200																													90	
170	100	100	71.4	264.2	40,100	40,200	40,100																													100	
170	100	110	69.2	260.3	39,800	39,800	39,800																													110	
170	100	120	66.9	255.9	36,500	36,500	36,500																													120	
170	100	130	64.5	251.0	33,700	33,800	33,700																													130	
170	100	140	62.2	245.6	31,300	31,300	31,300																													140	
170	100	150	59.7	239.6	29,200	29,200	29,200																													150	
170	100	160	57.2	233.0	27,300	27,300	27,300																													160	
170	100	170	54.6	225.8	25,700	25,700	25,700																													170	
170	100	180	51.9	217.8	24,200	24,200	24,200																													180	
170	100	190	49.1	209.0	22,900	22,900	22,900																													190	
170	100	200	46.2	199.3	21,700	21,700	21,700																													200	
170	100	210	43.1	188.5	20,600	20,600	20,600																													210	
170	100	220	39.9	176.5	19,600	19,600	19,600																													220	
170	100	230	36.3	162.8	18,800	18,300	18,800																													230	
170	100	240	32.4	147.2	18,000	16,800	18,000																													240	
170	100	250	28.0	128.6	16,200	15,400	16,200																													250	
170	100	260	22.7	105.7	14,400	14,200	14,400																													260	
170	100	270	15.7	73.8	12,600	12,600	12,600																													270	



**348 HYLAB 5 - w/ 80" x 95" Heavy Duty Boom, w/ 39" x 48" Tubular Jib, w/ 221.1K+75K Cwt**  
Refer to the Tubular Jib Notes for Heavy Duty Boom in this Crane Rating Manual before operating the crane.

Boom Length (ft)	Jib Length (ft)	Jib Load Radius (ft)	Boom Angle (deg)	Jib Point Height (ft)	5 Degrees					Boom Angle (deg)	Jib Point Height (ft)	15 Degrees					Boom Angle (deg)	Jib Point Height (ft)	25 Degrees					Jib Load Radius (ft)	
					Jib Capacity (lbs)			Jib Capacity (lbs)				Jib Capacity (lbs)			Jib Capacity (lbs)										
					Over End Blocked	Extended	360° Retracted	Over End Blocked	Extended			360° Retracted	Over End Blocked	Extended	360° Retracted	Over End Blocked			Extended	360° Retracted					
170	120	55.9	82.0	296.9	40,400	40,400	40,400																		55.9
170	120	60	81.2	296.1	39,500	40,200	40,300																		60
170	120	70	79.2	294.0	39,500	38,300	36,300																		70
170	120	80	77.2	291.5	37,000	37,000	37,000																		80
170	120	90	75.1	288.7	35,700	35,700	35,700																		90
170	120	100	73.1	285.5	34,500	34,500	34,500																		100
170	120	110	71.0	281.8	33,100	33,100	33,100																		110
170	120	120	68.9	277.8	30,300	30,300	30,300																		120
170	120	130	66.8	273.3	28,000	28,000	28,000																		130
170	120	140	64.6	268.3	26,000	26,000	26,000																		140
170	120	150	62.4	262.9	24,200	24,200	24,200																		150
170	120	160	60.1	256.9	22,600	22,600	22,600																		160
170	120	170	57.7	250.4	21,200	21,200	21,200																		170
170	120	180	55.3	243.2	19,900	19,900	19,900																		180
170	120	190	52.9	235.4	18,800	18,800	18,800																		190
170	120	200	50.3	226.9	17,800	17,800	17,800																		200
170	120	210	47.6	217.5	16,900	16,800	16,800																		210
170	120	220	44.8	207.3	16,000	16,000	16,000																		220
170	120	230	41.9	195.9	15,200	15,200	15,200																		230
170	120	240	38.7	183.2	14,500	14,500	14,500																		240
170	120	250	35.3	168.9	13,900	13,900	13,300																		250
170	120	260	31.5	152.5	13,300	13,300	12,100																		260
170	120	270	27.3	133.1	12,800	12,800	11,100																		270
170	120	280	22.2	109.2	12,100	12,100	10,100																		280
170	120	290	15.4	76.1	10,500	10,500	9,100																		290





348 HYLAB 5 - w/ 80" x 95" Heavy Duty Boom, w/ 39" x 48" Tubular Jib, w/ 221.1K+75K Cwt  
Refer to the Tubular Jib Notes for Heavy Duty Boom in this Crane Rating Manual before operating the crane.

Jib Angle to Boom

Boom Length (ft)	Jib Length (ft)	Jib Load Radius (ft)	Boom Angle (deg)	Jib Point Height (ft)	5 Degrees						15 Degrees						25 Degrees						Jib Load Radius (ft)
					Jib Capacity (lbs)			Over End Blocked	Extended	Retracted	Jib Capacity (lbs)			Over End Blocked	Extended	Retracted	Jib Capacity (lbs)			Over End Blocked	Extended	Retracted	
					360°	Curve 1	Curve 2				360°	Curve 31	Curve 32				Curve 33	360°	Curve 1				
170	140	60.4	82.0	316.3	29,600	29,600	29,600															60.4	
170	140	70	80.2	314.5	29,400	29,300	29,300															70	
170	140	80	78.3	312.2	29,000	29,000	29,000															80	
170	140	90	76.4	309.5	28,600	28,600	28,600															90	
170	140	100	74.5	306.5	27,500	27,500	27,500															100	
170	140	110	72.6	303.1	26,400	26,400	26,400															110	
170	140	120	70.6	299.4	25,400	25,400	25,400															120	
170	140	130	68.7	295.2	23,700	23,700	23,700															130	
170	140	140	66.7	290.6	22,000	22,000	22,000															140	
170	140	150	64.6	285.6	20,400	20,400	20,400															150	
170	140	160	62.5	280.1	19,000	19,000	19,000															160	
170	140	170	60.4	274.2	17,800	17,800	17,800															170	
170	140	180	58.2	267.7	16,700	16,700	16,700															180	
170	140	190	56.0	260.7	15,700	15,700	15,700															190	
170	140	200	53.7	253.0	14,800	14,800	14,800															200	
170	140	210	51.3	244.7	14,000	14,000	14,000															210	
170	140	220	48.8	235.6	13,200	13,200	13,200															220	
170	140	230	46.2	225.8	12,600	12,600	12,600															230	
170	140	240	43.5	214.9	11,900	11,900	11,900															240	
170	140	250	40.7	202.9	11,400	11,400	11,400															250	
170	140	260	37.7	189.6	10,800	10,800	10,800															260	
170	140	270	34.4	174.7	10,400	10,400	10,400															270	
170	140	280	30.7	157.6	9,900	9,900	9,900															280	
170	140	290	26.6	137.5	9,500	9,500	9,500															290	
170	140	300	21.7	112.7	9,200	9,200	9,200															300	
170	140	310	15.2	78.3	8,700	8,700	8,700															310	
180	40	39.29	82.0	228.8	99,500	99,500	99,500															39.29	
180	40	40	81.8	228.7	99,400	99,400	99,400															40	
180	40	50	79.2	226.9	98,100	98,100	98,100															50	
180	40	60	76.6	224.6	96,800	96,800	96,800															60	
180	40	70	73.9	221.8	94,400	94,400	94,500															70	
180	40	80	71.2	218.4	90,900	88,400	78,900															80	
180	40	90	68.5	214.6	84,200	75,300	66,900															90	
180	40	100	65.7	210.2	73,900	64,800	57,500															100	
180	40	110	62.8	205.1	64,500	56,500	50,000															110	
180	40	120	59.8	199.5	56,800	49,700	43,900															120	
180	40	130	56.8	193.1	50,200	44,000	39,100															130	
180	40	140	53.6	185.9	44,600	39,600	34,800															140	
180	40	150	50.3	177.8	40,400	35,500	31,100															150	
180	40	160	46.9	168.7	36,500	31,900	27,800															160	
180	40	170	43.2	158.4	32,600	28,800	25,000															170	
180	40	180	39.2	146.6	29,100	26,100	22,500															180	
180	40	190	34.9	132.9	25,900	23,300	20,300															190	
180	40	200	30.0	116.6	23,000	21,400	18,300															200	
180	40	210	24.1	96.3	20,300	19,400	16,500															210	
180	40	220	16.4	67.8	17,500	17,500	14,800															220	

Link-Belt Construction Equipment Company  
348HYLABS





348 HYLAB 5 - w/ 80" x 95" Heavy Duty Boom, w/ 39" x 48" Tubular Jib, w/ 221.1K+75K Cwt  
Refer to the Tubular Jib Notes for Heavy Duty Boom in this Crane Rating Manual before operating the crane.  
Jib Angle to Boom

Boom Length (ft)	Jib Length (ft)	Jib Load Radius (ft)	Boom Angle (deg)	Jib Point Height (ft)	5 Degrees					Boom Angle (deg)	Jib Point Height (ft)	15 Degrees					Boom Angle (deg)	Jib Point Height (ft)	25 Degrees					Jib Load Radius (ft)				
					Jib Capacity (lbs)		Over End Blocked	Curve 1	Jib Capacity (lbs)			Over End Blocked	Curve 31	Jib Capacity (lbs)		Over End Blocked			Curve 32	Curve 33	Jib Capacity (lbs)		Over End Blocked		Curve 1	Curve 2	Curve 5	
					Extended	Retracted			Extended					Retracted	Extended						Retracted	Extended						Retracted
180	60	43.79	82.0	248.3	78,100	78,100	78,100																	43.79				
180	60	50	80.5	247.2	77,100	77,100	77,100																		50			
180	60	60	81.6	245.1	75,500	75,500	75,500																		60			
180	60	70	75.7	242.5	74,000	74,000	74,000																		70			
180	60	80	73.2	239.5	72,600	72,600	72,600																		80			
180	60	90	70.7	236.0	71,300	71,300	71,300																		90			
180	60	100	68.2	232.0	67,200	67,200	67,200																		100			
180	60	110	65.6	227.5	61,500	61,500	61,500																		110			
180	60	120	63.0	222.4	56,700	56,700	56,700																		120			
180	60	130	60.3	216.7	51,200	51,200	51,200																		130			
180	60	140	57.5	210.4	45,600	45,600	45,600																		140			
180	60	150	54.6	203.3	40,800	40,800	40,800																		150			
180	60	160	51.6	195.5	37,600	37,600	37,600																		160			
180	60	170	48.5	186.7	33,800	33,800	33,800																		170			
180	60	180	45.2	176.9	30,300	30,300	30,300																		180			
180	60	190	41.7	165.9	27,300	27,300	27,300																		190			
180	60	200	37.9	153.3	24,500	24,500	24,500																		200			
180	60	210	33.7	138.8	21,900	21,900	21,900																		210			
180	60	220	29.0	121.6	19,500	19,500	19,500																		220			
180	60	230	23.5	100.2	17,200	17,200	17,200																		230			
180	60	240	16.0	70.3	14,800	14,800	14,800																		240			
180	80	48.29	82.0	267.8	62,000	62,000	62,000																		48.29			
180	80	50	81.6	267.5	61,800	61,800	61,800																		50			
180	80	60	79.4	265.5	60,500	60,500	60,500																		60			
180	80	70	77.2	263.2	59,200	59,200	59,200																		70			
180	80	80	74.9	260.4	58,000	58,000	58,000																		80			
180	80	90	72.6	257.2	56,300	56,300	56,300																		90			
180	80	100	70.3	253.6	51,200	51,200	51,200																		100			
180	80	110	68.0	249.5	46,900	46,900	46,900																		110			
180	80	120	65.6	244.8	43,300	43,300	43,300																		120			
180	80	130	63.1	239.7	40,100	40,100	40,100																		130			
180	80	140	60.6	234.0	40,100	40,100	40,100																		140			
180	80	150	58.0	227.7	37,800	37,800	37,800																		150			
180	80	160	55.4	220.8	35,400	35,400	35,400																		160			
180	80	170	52.6	213.1	33,300	33,300	33,300																		170			
180	80	180	49.8	204.6	31,200	31,200	31,200																		180			
180	80	190	46.8	195.2	28,200	28,200	28,200																		190			
180	80	200	43.7	184.8	25,400	25,400	25,400																		200			
180	80	210	40.3	173.0	22,900	22,900	22,900																		210			
180	80	220	36.7	159.7	20,600	20,600	20,600																		220			
180	80	230	32.7	144.5	18,500	18,500	18,500																		230			
180	80	240	28.2	126.4	16,400	16,400	16,400																		240			
180	80	250	22.9	103.9	14,500	14,500	14,500																		250			
180	80	260	15.7	72.7	12,500	12,500	12,500																		260			





**348 HYLAB 5 - w/ 80" x 95" Heavy Duty Boom, w/ 39" x 48" Tubular Jib, w/ 221.1K+75K Cwt**  
Refer to the Tubular Jib Notes for Heavy Duty Boom in this Crane Rating Manual before operating the crane.

Boom Length (ft)	Jib Length (ft)	Jib Load Radius (ft)	Boom Angle (deg)	Jib Point Height (ft)	5 Degrees					Boom Angle (deg)	Jib Point Height (ft)	15 Degrees					Boom Angle (deg)	Jib Point Height (ft)	25 Degrees					Jib Load Radius (ft)			
					Jib Capacity (lbs)			Over End Blocked	Curve 1			Jib Capacity (lbs)			Over End Blocked	Curve 31			Jib Capacity (lbs)			Over End Blocked	Curve 1		Jib Capacity (lbs)		
					Extended	Retracted	Curve 2					Curve 5	Extended	Retracted					Curve 32	Curve 33	Extended				Retracted	Curve 2	Curve 5
180	100	52.79	82.0	287.3	50,000	49,300	49,300	50,000	49,300	81.9	281.7	40,100	40,100	40,100	80.9	272.1	24,100	24,100	24,100	52.79							
180	100	60	80.5	285.9	49,300	48,300	48,300	49,300	48,300	79.8	279.2	37,100	37,100	37,100	78.7	268.6	22,700	22,700	22,700	60							
180	100	70	78.4	283.8	48,300	47,300	47,300	48,300	47,300	77.6	276.2	34,200	34,200	34,200	78.7	264.7	21,400	21,400	21,400	70							
180	100	80	76.4	281.2	47,300	46,300	46,300	47,300	46,300	75.5	272.8	31,600	31,600	31,600	78.7	260.4	20,300	20,300	20,300	80							
180	100	90	74.2	278.2	46,300	45,400	45,400	46,300	45,400	73.3	269.0	29,500	29,500	29,500	76.5	264.7	21,400	21,400	21,400	90							
180	100	100	72.1	274.9	45,300	44,300	44,300	45,300	44,300	71.1	264.7	27,500	27,500	27,500	74.2	260.4	20,300	20,200	20,200	100							
180	100	110	70.0	271.1	40,200	40,200	40,200	40,200	40,200	68.8	260.0	25,900	25,900	25,900	71.9	255.6	19,200	19,200	19,200	110							
180	100	120	67.8	266.9	37,700	37,700	37,700	37,700	37,700	66.5	254.8	24,400	24,400	24,400	69.6	250.3	18,300	18,300	18,300	120							
180	100	130	65.5	262.2	34,800	34,800	34,800	34,800	34,800	64.2	249.0	23,000	22,900	22,900	67.2	244.4	17,400	17,400	17,400	130							
180	100	140	63.2	257.0	32,400	32,400	32,400	32,400	32,400	61.8	242.7	21,800	21,800	21,800	64.7	238.0	16,700	16,700	16,700	140							
180	100	150	60.9	251.3	30,200	30,200	30,200	30,200	30,200	59.3	235.8	20,700	20,700	20,700	62.2	230.9	16,000	16,000	16,000	150							
180	100	160	58.5	245.0	28,300	28,300	28,300	28,300	28,300	56.7	228.1	19,800	19,800	19,800	59.6	223.1	15,400	15,400	15,400	160							
180	100	170	56.1	238.2	26,600	26,600	26,600	26,600	26,600	54.1	219.8	18,900	18,900	18,900	56.9	214.6	14,800	14,800	14,800	170							
180	100	180	53.5	230.7	25,100	25,100	25,000	24,200	24,200	51.3	210.6	18,100	18,100	18,100	54.0	205.1	14,300	14,300	14,300	180							
180	100	190	50.9	222.4	23,700	23,700	22,500	20,000	20,000	48.4	200.5	17,300	17,300	17,300	51.0	194.7	13,900	13,900	13,900	190							
180	100	200	48.2	213.3	22,500	22,500	21,100	18,200	18,200	45.4	189.2	16,700	16,700	16,700	47.9	183.1	13,500	13,500	13,500	200							
180	100	210	45.3	203.3	21,300	21,300	19,400	16,500	16,500	42.1	176.6	16,100	16,100	16,100	44.5	170.0	13,100	13,100	13,100	210							
180	100	220	42.3	192.2	20,300	20,300	17,700	15,000	15,000	38.5	162.3	15,600	15,600	15,600	40.8	155.1	12,800	12,800	12,800	220							
180	100	230	39.1	179.9	19,300	19,300	16,200	13,700	13,700	34.6	145.9	15,100	15,100	15,100	36.6	137.7	12,600	12,600	12,600	230							
180	100	240	35.6	165.9	17,400	17,400	14,900	12,400	12,400	30.1	126.3	14,400	13,900	13,900	31.8	116.7	12,400	12,400	12,400	240							
180	100	250	31.8	149.9	15,600	15,600	13,600	11,200	11,200	24.7	101.8	12,600	12,600	12,600						250							
180	100	260	27.5	130.9	13,800	13,800	12,100	10,200	10,200											260							
180	100	270	22.3	107.5	12,100	12,100	10,400	9,200	9,200											270							
180	100	280	15.4	75.0	10,400	10,400														280							





**348 HYLAB 5 - w/ 80" x 95" Heavy Duty Boom, w/ 39" x 48" Tubular Jib, w/ 221.1K+75K Cwt**  
Refer to the Tubular Jib Notes for Heavy Duty Boom in this Crane Rating Manual before operating the crane.

Boom Length (ft)	Jib Length (ft)	Jib Load Radius (ft)	Boom Angle (deg)	Jib Point Height (ft)	5 Degrees					Boom Angle (deg)	Jib Point Height (ft)	15 Degrees					Boom Angle (deg)	Jib Point Height (ft)	25 Degrees					Jib Load Radius (ft)			
					Jib Capacity (lbs)			Over End Blocked	Extended			Retracted	Jib Capacity (lbs)			Over End Blocked			Extended	Retracted	Jib Capacity (lbs)				Over End Blocked	Extended	Retracted
					Curve 1	Curve 2	Curve 5						Curve 31	Curve 32	Curve 33						Curve 1	Curve 2	Curve 5				
180	120	57.29	82.0	306.8	38,500	38,500	38,500	38,500																		57.29	
180	120	60	81.5	306.3	38,500	38,500	38,500	38,500																			60
180	120	70	79.6	304.2	38,000	38,000	38,000	38,000																			70
180	120	80	77.6	299.1	36,800	36,800	36,800	36,800																			80
180	120	90	75.6	299.1	35,600	35,600	35,600	35,600																			90
180	120	100	73.7	296.0	34,400	34,500	34,500	34,500																			100
180	120	110	71.7	292.5	33,400	33,400	33,400	33,400																			110
180	120	120	69.6	288.6	31,200	31,200	31,200	31,200																			120
180	120	130	67.6	284.3	28,800	28,800	28,800	28,800																			130
180	120	140	65.5	279.5	26,800	26,800	26,800	26,800																			140
180	120	150	63.4	274.3	24,900	24,900	24,900	24,900																			150
180	120	160	61.2	268.6	23,300	23,300	23,300	23,300																			160
180	120	170	59.0	262.4	21,900	21,900	21,900	21,900																			170
180	120	180	56.7	255.6	20,600	20,600	20,600	20,600																			180
180	120	190	54.3	248.2	19,400	19,400	19,400	19,400																			190
180	120	200	51.9	240.1	18,400	18,400	18,400	18,400																			200
180	120	210	49.4	231.3	17,400	17,400	17,400	17,400																			210
180	120	220	46.8	221.7	16,600	16,600	16,600	16,600																			220
180	120	230	44.0	211.1	15,800	15,800	15,800	15,800																			230
180	120	240	41.1	199.4	15,000	15,100	15,000	15,000																			240
180	120	250	38.0	186.4	14,400	14,400	14,400	14,400																			250
180	120	260	34.7	171.8	13,800	13,800	13,800	13,800																			260
180	120	270	31.0	155.1	13,000	12,700	13,000	12,700																			270
180	120	280	26.8	135.3	11,500	11,500	11,500	11,500																			280
180	120	290	21.8	111.0	10,100	10,100	10,100	10,100																			290
180	120	300	15.2	77.2	8,600	8,600	8,600	8,600																			300



348 HYLAB 5 - w/80" x 95" Heavy Duty Boom, w/39" x 48" Tubular Jib, w/221.1K+75K Cwt  
Refer to the Tubular Jib Notes for Heavy Duty Boom in this Crane Rating Manual before operating the crane.

Boom Length (ft)		Jib Length (ft)		Jib Load Radius (ft)	Boom Angle (deg)	Jib Point Height (ft)	5 Degrees					15 Degrees					25 Degrees					Jib Load Radius (ft)			
Length (ft)	Load Radius (ft)	Over End Blocked	Extended	Retracted			Over End Blocked	Extended	Retracted	Curve 5	Curve 1	Curve 2	Curve 3	Curve 4	Curve 5	Curve 1	Curve 2	Curve 3	Curve 4	Curve 5	Curve 1	Curve 2	Curve 3	Curve 4	Curve 5
180	140	61.79	82.0	326.2	29.200	28.900	28.900	28.900	29.200																61.79
180	140	70	80.5	324.7	28.600	28.600	28.600	28.600	28.600																70
180	140	80	78.7	322.4	28.300	28.300	28.300	28.300	28.300																80
180	140	90	76.9	319.9	28.000	28.000	28.000	28.000	28.000																90
180	140	100	75.0	317.0	27.500	27.500	27.500	27.500	27.500																100
180	140	110	73.2	313.7	26.500	26.500	26.500	26.500	26.500																110
180	140	120	71.3	310.1	25.500	25.500	25.500	25.500	25.500																120
180	140	130	69.4	306.1	24.400	24.400	24.400	24.400	24.400																130
180	140	140	67.4	301.7	22.600	22.600	22.600	22.600	22.600																140
180	140	150	65.5	296.8	21.000	21.000	21.000	21.000	21.000																150
180	140	160	63.5	291.6	19.600	19.600	19.600	19.600	19.600																160
180	140	170	61.4	285.9	18.400	18.400	18.400	18.400	18.400																170
180	140	180	59.3	279.7	17.200	17.200	17.200	17.200	17.200																180
180	140	190	57.2	273.0	16.200	16.200	16.200	16.200	16.200																190
180	140	200	55.0	265.7	15.300	15.300	15.300	15.300	15.300																200
180	140	210	52.7	257.8	14.500	14.500	14.500	14.500	14.500																210
180	140	220	50.4	249.2	13.700	13.700	13.700	13.700	13.700																220
180	140	230	48.0	239.9	13.000	13.000	13.000	13.000	13.000																230
180	140	240	45.5	229.7	12.300	12.300	12.300	12.300	12.300																240
180	140	250	42.8	218.6	11.800	11.800	11.800	11.800	11.800																250
180	140	260	40.0	206.4	11.200	11.200	11.200	11.200	11.200																260
180	140	270	37.0	192.8	10.700	10.700	10.700	10.700	10.700																270
180	140	280	33.8	177.5	10.300	10.300	10.300	10.300	10.300																280
180	140	290	30.2	160.1	9.900	9.900	9.900	9.900	9.900																290
180	140	300	26.2	139.6	9.500	9.500	9.500	9.500	9.500																300
180	140	310	21.4	114.3	8.200	8.200	8.200	8.200	8.200																310
180	140	320	14.9	79.4	6.900	6.900	6.900	6.900	6.900																320
190	40	40.69	82.0	238.7	89.900	89.900	89.900	89.900	89.900																40.69
190	40	50	79.7	237.1	88.600	88.600	88.600	88.600	88.600																50
190	40	60	77.2	234.9	87.200	87.200	87.200	87.200	87.200																60
190	40	70	74.6	232.2	85.700	85.700	85.700	85.700	85.700																70
190	40	80	72.0	229.0	84.300	84.300	84.300	84.300	84.300																80
190	40	90	69.4	225.4	82.900	82.900	82.900	82.900	82.900																90
190	40	100	66.8	221.2	82.900	82.900	82.900	82.900	82.900																100
190	40	110	64.1	216.4	83.400	83.400	83.400	83.400	83.400																110
190	40	120	61.3	211.1	84.000	84.000	84.000	84.000	84.000																120
190	40	130	58.4	205.0	84.700	84.700	84.700	84.700	84.700																130
190	40	140	55.4	198.3	85.500	85.500	85.500	85.500	85.500																140
190	40	150	52.4	190.8	86.400	86.400	86.400	86.400	86.400																150
190	40	160	49.2	182.4	87.400	87.400	87.400	87.400	87.400																160
190	40	170	45.8	172.9	88.500	88.500	88.500	88.500	88.500																170
190	40	180	42.2	162.2	89.700	89.700	89.700	89.700	89.700																180
190	40	190	38.3	150.1	91.000	91.000	91.000	91.000	91.000																190
190	40	200	34.1	136.0	92.400	92.400	92.400	92.400	92.400																200
190	40	210	29.3	119.2	93.900	93.900	93.900	93.900	93.900																210
190	40	220	23.6	98.3	95.500	95.500	95.500	95.500	95.500																220
190	40	230	16.0	69.2	97.200	97.200	97.200	97.200	97.200																230

Jib Angle to Boom



**348 HYLAB 5 - w/80" x 95" Heavy Duty Boom, w/39" x 48" Tubular Jib, w/221.1K+75K Cwt**  
Refer to the Tubular Jib Notes for Heavy Duty Boom in this Crane Rating Manual before operating the crane.

Boom Length (ft)	Jib Length (ft)	Jib Load Radius (ft)	Boom Angle (deg)	Jib Point Height (ft)	5 Degrees					Boom Angle (deg)	Jib Point Height (ft)	15 Degrees					Boom Angle (deg)	Jib Point Height (ft)	25 Degrees					Jib Load Radius (ft)			
					Jib Capacity (lbs)			Over End Blocked	Extended Curve 1			Retracted Curve 5	Jib Capacity (lbs)			Over End Blocked			Extended Curve 31	Retracted Curve 33	Jib Capacity (lbs)				Over End Blocked	Extended Curve 1	Retracted Curve 5
					360°	Curve 2	Curve 5						360°	Curve 32	Curve 33						360°	Curve 2	Curve 5				
190	60	45.19	82.0	258.2	73,100	73,100	73,100																			45.19	
190	60	50	80.9	257.4	72,800	72,800	72,800																				50
190	60	60	78.6	255.3	72,000	72,000	72,000																				60
190	60	70	76.3	252.9	71,100	71,100	71,100																				70
190	60	80	73.9	250.0	70,200	70,200	70,200																				80
190	60	90	71.5	246.7	69,300	69,300	67,200																				90
190	60	100	69.1	242.9	68,300	65,100	57,800																				100
190	60	110	66.6	238.6	63,600	56,700	50,200																				110
190	60	120	64.1	233.7	56,600	49,900	44,100																				120
190	60	130	61.6	228.3	50,100	44,200	39,300																				130
190	60	140	58.9	222.3	44,600	39,800	35,000																				140
190	60	150	56.2	215.7	39,800	35,700	31,200																				150
190	60	160	53.4	208.3	36,700	32,100	28,000																				160
190	60	170	50.5	200.1	32,900	29,000	25,200																				170
190	60	180	47.4	191.1	29,500	26,200	22,700																				180
190	60	190	44.2	180.9	26,400	23,800	20,400																				190
190	60	200	40.8	169.5	23,700	21,600	18,400																				200
190	60	210	37.1	156.6	21,100	19,600	16,600																				210
190	60	220	33.0	141.7	18,800	17,800	15,000																				220
190	60	230	28.4	124.1	16,600	16,200	13,500																				230
190	60	240	23.0	102.1	14,500	14,500	12,100																				240
190	60	250	15.7	71.6	12,400	12,400	10,800																				250





**348 HYLAB 5 - w/ 80" x 95" Heavy Duty Boom, w/ 39" x 48" Tubular Jib, w/ 221.1K+75K Cwt**  
Refer to the Tubular Jib Notes for Heavy Duty Boom in this Crane Rating Manual before operating the crane.

Boom Length (ft)	Jib Length (ft)	Jib Load Radius (ft)	Boom Angle (deg)	Jib Point Height (ft)	5 Degrees					15 Degrees					25 Degrees					Jib Load Radius (ft)
					Jib Capacity (lbs)			Boom Angle (deg)	Jib Point Height (ft)	Jib Capacity (lbs)			Boom Angle (deg)	Jib Point Height (ft)	Jib Capacity (lbs)					
					Over End Blocked	Extended	Retracted			Over End Blocked	Extended	Retracted			Over End Blocked	Extended	Retracted			
190	80	49.68	82.0	277.7	60,100	60,100	60,100	80.5	271.7	47,000	47,000	47,000	80.9	265.5	32,900	32,900	32,900	49.68		
190	80	50	81.9	277.6	60,000	60,000	60,000	78.3	269.1	43,300	43,300	43,200	78.7	262.4	30,900	30,900	30,900	50		
190	80	60	79.8	275.8	59,200	59,200	59,200	76.1	266.0	40,100	40,100	40,100	76.4	258.8	29,200	29,200	29,200	60		
190	80	70	77.7	273.5	58,000	58,000	58,000	73.8	262.4	40,200	40,200	40,200	74.1	254.7	27,600	27,600	27,600	70		
190	80	80	75.5	270.8	56,900	56,900	56,900	71.6	258.5	37,900	37,900	37,900	71.8	254.7	26,200	26,200	26,200	80		
190	80	90	73.3	267.8	55,800	55,800	55,800	69.3	254.0	35,400	35,400	35,500	69.4	245.2	25,000	25,000	25,000	90		
190	80	100	71.1	264.3	52,700	52,700	52,700	66.9	249.1	33,400	33,400	33,400	67.0	239.7	23,900	23,900	23,900	100		
190	80	110	68.8	260.3	48,400	48,300	48,300	64.5	243.6	31,500	31,500	31,500	64.4	233.5	22,900	22,900	22,900	110		
190	80	120	66.5	255.9	44,600	44,600	44,600	62.0	237.6	29,800	29,900	29,900	61.9	226.8	22,000	22,000	22,000	120		
190	80	130	64.2	251.0	41,400	41,400	39,900	59.5	230.9	28,400	28,400	28,400	58.2	219.3	21,200	21,200	21,200	130		
190	80	140	61.8	245.6	40,200	40,200	35,600	56.9	223.6	27,000	27,000	26,600	56.4	211.1	20,400	20,400	20,400	140		
190	80	150	59.4	239.6	39,100	36,300	31,800	54.2	215.6	25,800	25,800	24,000	53.5	202.0	19,800	19,800	19,800	150		
190	80	160	56.8	233.0	36,600	32,700	28,600	51.4	206.7	24,800	24,800	21,700	50.5	191.9	19,200	19,200	19,200	160		
190	80	170	54.3	225.8	33,700	29,500	25,700	48.4	196.9	23,800	22,800	19,600	47.3	180.7	18,700	18,700	17,900	170		
190	80	180	51.6	217.8	30,300	26,800	23,200	45.3	185.9	22,900	20,700	17,400	43.9	168.0	17,200	17,200	17,200	180		
190	80	190	48.8	209.0	27,300	24,300	21,000	41.9	173.7	20,600	18,900	15,700	40.1	153.6	15,500	15,500	15,500	190		
190	80	200	45.9	199.3	24,600	22,100	19,000	38.3	159.8	18,400	16,900	14,200	35.9	136.8	14,000	14,000	14,000	200		
190	80	210	42.8	188.6	22,100	20,100	17,200	34.3	143.8	15,900	15,200	12,600	31.1	116.6	11,500	11,500	11,500	210		
190	80	220	39.5	176.5	19,800	18,400	15,500	29.8	124.8	13,900	13,900	11,300						220		
190	80	230	36.0	162.9	17,700	16,700	14,000	24.3	100.8	12,500	12,500	10,400						230		
190	80	240	32.1	147.2	15,800	15,200	12,700											240		
190	80	250	27.6	128.7	13,900	13,900	11,400											250		
190	80	260	22.4	105.8	12,100	12,100	10,300											260		
190	80	270	15.4	73.9	10,300	10,300	9,200											270		

Link-Belt Construction Equipment Company  
348HYLAB5





**348 HYLAB 5 - w/ 80" x 95" Heavy Duty Boom, w/ 39" x 48" Tubular Jib, w/ 221.1K+75K Cwt**  
Refer to the Tubular Jib Notes for Heavy Duty Boom in this Crane Rating Manual before operating the crane.

Boom Length (ft)	Jib Length (ft)	Jib Load Radius (ft)	Boom Angle (deg)	Jib Point Height (ft)	5 Degrees					Boom Angle (deg)	Jib Point Height (ft)	15 Degrees					Boom Angle (deg)	Jib Point Height (ft)	25 Degrees					Jib Load Radius (ft)			
					Jib Capacity (lbs)			Over End Blocked	Extended			Retracted	Jib Capacity (lbs)			Over End Blocked			Extended	Retracted	Jib Capacity (lbs)				Over End Blocked	Extended	Retracted
					Curve 1	Curve 2	Curve 5						Curve 31	Curve 32	Curve 33						Curve 1	Curve 2	Curve 5				
190	100	54.18	82.0	297.2	48,200	48,200	48,200	48,200																	54.18		
190	100	60	80.8	296.1	48,000	48,000	48,000	48,000																		60	
190	100	70	78.8	294.0	47,400	47,400	47,400	47,400																		70	
190	100	80	76.8	291.6	46,500	46,500	46,500	46,500		80.1	289.5	37,600	37,600	37,600												80	
190	100	90	74.8	288.7	45,600	45,600	45,600	45,600		78.1	286.6	34,700	34,700	34,600												90	
190	100	100	72.8	285.5	42,400	42,400	42,400	42,400		76.0	283.4	32,200	32,200	32,200												100	
190	100	110	70.7	281.8	40,100	40,100	40,100	40,100		73.9	279.7	30,000	30,000	30,000												110	
190	100	120	68.6	277.8	38,800	38,800	38,800	38,800		71.8	275.6	28,100	28,100	28,100												120	
190	100	130	66.4	273.3	35,900	35,900	35,900	35,900		69.6	271.1	26,400	26,400	26,400												130	
190	100	140	64.2	268.3	33,400	33,400	33,400	33,400		67.4	266.1	24,900	24,900	24,900												140	
190	100	150	62.0	262.9	31,100	31,100	31,100	31,100		65.2	260.6	23,500	23,500	23,500												150	
190	100	160	59.7	256.9	29,200	29,200	29,200	29,200		62.9	254.5	22,300	22,300	22,300												160	
190	100	170	57.4	250.4	27,400	27,400	27,400	26,200		60.5	248.0	21,200	21,200	21,200												170	
190	100	180	55.0	243.2	25,900	25,900	25,900	23,600		58.1	240.7	20,200	20,200	20,200												180	
190	100	190	52.5	235.5	24,500	24,500	24,500	21,400		55.6	232.9	19,300	19,300	19,300												190	
190	100	200	50.0	226.9	23,200	23,200	22,600	19,400		53.0	224.2	18,500	18,500	18,500												200	
190	100	210	47.3	217.6	22,100	20,600	20,600	17,600		50.3	214.8	17,800	17,800	17,800												210	
190	100	220	44.5	207.3	20,500	18,800	18,800	15,900		47.4	204.3	17,100	17,100	16,600												220	
190	100	230	41.5	195.9	19,500	17,100	17,100	14,400		44.4	192.8	16,500	16,500	15,000												230	
190	100	240	38.4	183.2	16,600	15,700	15,700	13,100		41.2	179.8	15,900	15,900	13,600												240	
190	100	250	35.0	168.9	14,800	14,300	14,300	11,800		37.7	165.2	15,400	14,800	12,000												250	
190	100	260	31.2	152.5	13,100	13,000	13,000	10,700		33.9	148.4	13,800	13,400	10,800												260	
190	100	270	26.9	133.2	11,600	11,600	11,600	9,600		29.5	128.4	11,700	11,700	9,600												270	
190	100	280	21.9	109.3	10,000	10,000	10,000	8,600		24.2	103.3	10,400	10,400	8,800												280	
190	100	290	15.1	76.2	8,400	8,400	8,400	7,700																		290	



**348 HYLAB 5 - w/ 80" x 95" Heavy Duty Boom, w/ 39" x 48" Tubular Jib, w/ 221.1K+75K Cwt**  
**Refer to the Tubular Jib Notes for Heavy Duty Boom in this Crane Rating Manual before operating the crane.**

Jib Angle to Boom

Boom Length (ft)	Jib Length (ft)	Jib Load Radius (ft)	5 Degrees											15 Degrees											25 Degrees											Jib Load Radius (ft)
			Boom Angle (deg)	Jib Point Height (ft)	Jib Capacity (lbs)			Boom Angle (deg)	Jib Point Height (ft)	Jib Capacity (lbs)			Boom Angle (deg)	Jib Point Height (ft)	Jib Capacity (lbs)																					
					Over End Blocked	Extended	Retracted			Over End Blocked	Extended	Retracted			Over End Blocked	Extended	Retracted																			
Curve 1	Curve 2	Curve 5	Curve 31	Curve 32	Curve 33	Curve 1	Curve 2	Curve 5	Curve 1	Curve 2	Curve 5	Curve 1	Curve 2	Curve 5	Curve 1	Curve 2	Curve 5																			
190	120	58.68	82.0	316.7	36,900	36,900	36,900	81.7	309.8	30,900	30,900	30,900	81.4	299.4	18,500	18,600	18,500	58.68																		
190	120	60	81.8	316.4	36,800	36,800	36,800	77.9	304.1	28,500	28,500	28,500	79.4	296.0	17,500	17,500	17,500	60																		
190	120	70	79.9	314.5	36,700	36,700	36,700	76.0	300.7	26,300	26,400	26,400	77.4	292.1	16,500	16,500	16,500	70																		
190	120	80	78.0	312.2	36,500	36,500	36,500	72.0	296.9	24,600	24,600	24,600	75.4	287.8	15,600	15,600	15,600	80																		
190	120	90	76.1	309.5	35,400	35,400	35,400	70.0	292.8	23,000	23,000	23,000	73.3	283.1	14,800	14,800	14,800	90																		
190	120	100	74.2	306.5	34,300	34,300	34,300	68.3	288.1	21,600	21,600	21,600	71.2	278.0	14,100	14,100	14,100	100																		
190	120	110	72.3	303.1	33,300	33,300	33,300	66.9	283.1	20,300	20,300	20,300	69.1	272.4	13,400	13,400	13,400	110																		
190	120	120	70.3	299.4	32,100	32,100	32,100	65.7	277.6	19,100	19,100	19,100	67.9	266.2	12,800	12,800	12,800	120																		
190	120	130	68.3	295.2	29,700	29,700	29,700	64.3	285.6	18,100	18,100	18,100	66.3	262.2	12,300	12,300	12,300	130																		
190	120	140	66.3	290.6	27,500	27,500	27,500	63.6	271.5	17,200	17,200	17,200	65.2	259.6	11,800	11,800	11,800	140																		
190	120	150	64.3	285.6	25,700	25,700	25,700	62.3	265.0	16,300	16,300	16,300	64.1	255.3	11,300	11,300	11,300	150																		
190	120	160	62.2	280.2	24,000	24,000	24,000	61.4	259.6	15,500	15,500	15,500	63.3	252.3	10,900	10,900	10,900	160																		
190	120	170	60.1	274.2	22,600	22,600	22,600	59.2	257.9	14,800	14,800	14,800	62.3	249.4	10,500	10,500	10,500	170																		
190	120	180	57.9	267.7	21,200	21,200	21,200	58.2	252.3	14,200	14,200	14,200	60.0	244.4	10,100	10,100	10,100	180																		
190	120	190	55.7	260.7	20,100	20,100	20,100	56.8	250.2	13,600	13,600	13,600	58.2	241.7	9,700	9,300	9,300	190																		
190	120	200	53.4	253.0	19,000	19,000	19,000	54.4	241.7	13,000	14,200	14,200	57.5	235.7	9,300	9,300	9,300	200																		
190	120	210	51.0	244.7	18,000	18,000	17,900	52.5	236.3	12,500	13,600	13,600	55.9	226.3	9,000	9,000	9,000	210																		
190	120	220	48.5	235.7	17,100	17,100	16,200	51.9	222.5	12,000	13,000	13,000	54.2	216.0	8,700	8,900	8,900	220																		
190	120	230	45.9	225.8	16,300	16,300	14,700	49.3	211.5	11,500	12,500	12,500	52.2	204.6	8,400	8,900	9,900	230																		
190	120	240	43.2	214.9	15,600	15,600	13,400	46.6	199.3	11,000	12,100	12,100	48.4	191.9	8,100	8,600	9,600	240																		
190	120	250	40.4	203.0	14,900	14,900	12,100	43.7	185.7	10,500	11,700	11,700	45.1	177.8	7,800	8,300	9,300	250																		
190	120	260	37.3	189.7	13,800	13,300	11,000	40.6	170.4	10,000	11,300	11,300	43.1	161.7	7,500	8,000	9,000	260																		
190	120	270	34.0	174.7	12,300	12,200	9,900	37.2	152.8	9,500	10,400	10,400	39.6	142.9	7,200	7,700	8,700	270																		
190	120	280	30.4	157.6	10,800	10,800	8,900	33.5	132.0	9,000	10,000	10,000	35.6	120.2	6,900	7,400	8,400	280																		
190	120	290	26.3	137.5	9,500	9,500	8,000	29.2	105.8	8,600	9,600	9,600	31.0	105.8	6,600	7,100	8,100	290																		
190	120	300	21.4	112.7	8,100	8,100	7,100	24.0	86.00	8,600	9,600	9,600	24.0	86.00	7,400	8,400	9,400	300																		
190	120	310	14.9	78.4	6,700	6,700	6,300											310																		



**348 HYLAB 5 - w/ 80" x 95" Heavy Duty Boom, w/ 39" x 48" Tubular Jib, w/ 221.1K+75K Cwt**  
Refer to the Tubular Jib Notes for Heavy Duty Boom in this Crane Rating Manual before operating the crane.

Boom Length (ft)	Jib Length (ft)	Jib Load Radius (ft)	Boom Angle (deg)	Jib Point Height (ft)	5 Degrees					Boom Angle (deg)	Jib Point Height (ft)	15 Degrees					Boom Angle (deg)	Jib Point Height (ft)	25 Degrees					Jib Load Radius (ft)			
					Jib Capacity (lbs)			Over End Blocked	Curve 1			Jib Capacity (lbs)			Over End Blocked	Curve 31			Jib Capacity (lbs)			Over End Blocked	Curve 1		Jib Capacity (lbs)		
					Extended	Retracted	Curve 5					Extended	Retracted	Curve 3					Extended	Retracted	Curve 5						
190	140	63.18	82.0	336.1	28,700	28,700	28,700																	63.18			
190	140	70	80.8	334.9	28,500	28,500	28,500																	70			
190	140	80	79.0	332.7	28,200	28,200	28,200																	80			
190	140	90	77.3	330.2	27,900	27,900	27,900																	90			
190	140	100	75.5	327.4	27,500	27,500	27,500																	100			
190	140	110	73.7	324.3	26,500	26,500	26,500																	110			
190	140	120	71.9	320.7	25,500	25,500	25,500																	120			
190	140	130	70.0	316.9	24,600	24,600	24,600																	130			
190	140	140	68.2	312.6	23,200	23,200	23,200																	140			
190	140	150	66.3	308.0	21,600	21,600	21,600																	150			
190	140	160	64.3	302.9	20,200	20,200	20,200																	160			
190	140	170	62.4	297.4	18,900	18,900	18,900																	170			
190	140	180	60.4	291.5	17,800	17,800	17,800																	180			
190	140	190	58.3	285.1	16,700	16,700	16,700																	190			
190	140	200	56.2	278.1	15,800	15,800	15,800																	200			
190	140	210	54.1	270.6	14,900	14,900	14,900																	210			
190	140	220	51.9	262.5	14,100	14,100	14,100																	220			
190	140	230	49.6	253.6	13,400	13,400	13,400																	230			
190	140	240	47.2	244.1	12,800	12,800	12,800																	240			
190	140	250	44.7	233.7	12,200	12,200	12,200																	250			
190	140	260	42.1	222.3	11,600	11,600	11,600																	260			
190	140	270	39.3	209.8	11,100	11,100	11,100																	270			
190	140	280	36.4	195.9	10,600	10,600	10,600																	280			
190	140	290	33.2	180.3	10,100	10,100	10,100																	290			
190	140	300	29.7	162.5	8,800	8,800	8,800																	300			
190	140	310	25.7	141.7	7,600	7,600	7,600																	310			
190	140	320	21.0	116.0	6,400	6,400	6,400																	320			
190	140	330	14.6	80.5	5,100	5,100	5,100																	330			



**348 HYLAB 5 - w/ 80" x 95" Heavy Duty Boom, w/ 39" x 48" Tubular Jib, w/ 221.1K+75K Cwt**  
Refer to the Tubular Jib Notes for Heavy Duty Boom in this Crane Rating Manual before operating the crane.

Boom Length (ft)	Jib Length (ft)	Jib Load Radius (ft)	Boom Angle (deg)	Jib Point Height (ft)	5 Degrees						15 Degrees						25 Degrees						Jib Load Radius (ft)
					Jib Capacity (lbs)			Boom Angle (deg)	Jib Point Height (ft)	Jib Capacity (lbs)			Boom Angle (deg)	Jib Point Height (ft)	Jib Capacity (lbs)								
					Over End Blocked	Extended	Retracted			Over End Blocked	Extended	Retracted			Over End Blocked	Extended	Retracted						
200	40	42.08	82.0	248.6	81,400	81,400	78,800	81.7	246.2	77,200	77,200	77,200	80.7	242.0	67,100	67,100	67,100	42.08					
200	40	50	80.1	247.3	77,800	77,800	76,600	79.3	244.1	75,400	75,400	75,400	80.7	242.0	62,900	62,900	62,900	50					
200	40	60	77.7	245.1	76,600	76,600	76,600	76.8	241.5	73,700	73,700	73,700	78.3	239.4	62,900	62,900	62,900	60					
200	40	70	75.3	242.6	75,300	75,300	75,300	76.8	241.5	73,700	73,700	73,700	78.3	239.4	59,300	59,300	59,300	70					
200	40	80	72.8	239.6	74,000	74,000	74,000	74.4	238.5	72,100	72,100	72,000	75.8	236.4	56,100	56,100	56,100	80					
200	40	90	70.3	236.1	72,700	72,700	72,700	71.9	235.0	70,500	70,500	66,900	73.3	232.8	53,300	53,300	53,300	90					
200	40	100	67.8	232.1	71,400	71,400	65,300	69.3	231.0	69,100	64,800	57,400	70.7	228.8	50,800	50,800	50,800	100					
200	40	110	65.2	227.6	62,300	62,300	55,300	66.7	226.4	63,500	56,300	49,600	68.1	224.2	48,600	48,600	48,600	110					
200	40	120	62.6	222.5	54,600	54,600	48,700	64.1	221.3	55,700	49,300	43,200	65.4	219.0	46,600	44,000	44,000	120					
200	40	130	59.8	216.8	48,200	48,200	38,000	61.3	215.6	49,100	43,400	38,500	62.6	213.3	44,000	39,100	39,100	130					
200	40	140	57.1	210.5	42,600	42,600	33,600	58.5	209.2	43,100	38,900	34,100	59.8	206.8	40,000	34,600	34,600	140					
200	40	150	54.2	203.4	39,000	39,000	29,900	56.6	202.1	39,500	34,600	30,300	56.9	199.6	35,100	30,700	30,700	150					
200	40	160	51.2	195.6	34,700	34,700	26,700	52.6	194.2	34,900	31,000	26,900	53.8	191.6	31,400	27,300	27,300	160					
200	40	170	48.1	186.8	30,900	27,600	23,800	49.5	185.4	31,000	27,800	24,000	50.6	182.7	28,100	24,300	24,300	170					
200	40	180	44.8	177.0	27,500	24,900	21,300	46.1	175.5	27,500	24,900	21,400	47.2	172.6	25,200	21,700	21,700	180					
200	40	190	41.3	166.0	24,400	22,500	19,100	42.6	164.4	24,400	22,500	19,000	43.6	161.3	22,700	19,300	19,300	190					
200	40	200	37.5	153.4	21,700	20,300	17,100	38.8	151.7	21,600	20,200	17,000	39.7	148.3	19,200	17,200	17,200	200					
200	40	210	33.3	138.9	19,100	18,300	15,300	34.6	137.0	18,900	18,100	15,100	35.4	133.2	16,300	15,300	15,300	210					
200	40	220	28.6	121.7	16,700	16,500	13,700	29.8	119.5	16,400	16,300	13,500	30.5	115.1	14,400	13,500	13,500	220					
200	40	230	23.1	100.3	14,400	14,400	12,200	24.1	97.6	14,700	14,700	12,300						230					
200	40	240	15.7	70.5	12,100	12,100	10,800											240					



348 HYLAB 5 - w/ 80" x 95" Heavy Duty Boom, w/ 39" x 48" Tubular Jib, w/ 221.1K+75K Cwt  
Refer to the Tubular Jib Notes for Heavy Duty Boom in this Crane Rating Manual before operating the crane.

Jib Angle to Boom

Boom Length (ft)	Jib Length (ft)	Jib Load Radius (ft)	Boom Angle (deg)	Jib Point Height (ft)	5 Degrees					Boom Angle (deg)	Jib Point Height (ft)	15 Degrees					Boom Angle (deg)	Jib Point Height (ft)	25 Degrees					Jib Load Radius (ft)
					Jib Capacity (lbs)							Jib Capacity (lbs)							Jib Capacity (lbs)					
					Over End Blocked	Extended	Retracted	Curve 1	Curve 2			Curve 3	Curve 4	Curve 5	Curve 1	Curve 2			Curve 3	Curve 4	Curve 5	Curve 1	Curve 2	
200	60	46.58	82.0	268.1	67,000	67,000	67,000	67,000	67,000	81.2	264.1	63,600	63,600	63,600	63,600	81.0	258.9	43,300	43,300	43,300	46.58			
200	60	50	81.2	267.5	66,700	66,700	66,700	66,700	66,700												50			
200	60	60	79.0	265.6	65,800	65,800	65,800	65,800	65,800												60			
200	60	70	76.8	263.2	64,900	64,900	64,900	64,900	64,900												70			
200	60	80	74.5	260.5	63,900	63,900	63,900	63,900	63,900												80			
200	60	90	72.3	257.3	62,900	62,900	62,900	62,900	62,900												90			
200	60	100	69.9	253.6	61,900	61,900	61,900	61,900	61,900												100			
200	60	110	67.6	249.5	60,900	60,900	60,900	60,900	60,900												110			
200	60	120	65.2	244.9	55,500	55,500	55,500	55,500	55,500												120			
200	60	130	62.7	239.8	49,100	49,100	43,600	43,600	38,800												130			
200	60	140	60.2	234.1	43,600	43,600	39,200	39,200	34,400												140			
200	60	150	57.7	227.8	40,000	40,000	35,100	35,100	30,700												150			
200	60	160	55.0	220.8	35,700	35,700	31,500	31,500	27,400												160			
200	60	170	52.3	213.1	31,900	31,900	28,400	28,400	24,600												170			
200	60	180	49.4	204.7	28,600	28,600	25,600	25,600	22,100												180			
200	60	190	46.4	195.3	25,600	25,600	23,200	23,200	19,800												190			
200	60	200	43.3	184.8	22,800	22,800	21,000	21,000	17,800												200			
200	60	210	39.9	173.1	20,400	20,400	19,000	19,000	16,000												210			
200	60	220	36.3	159.8	18,100	18,100	17,200	17,200	14,400												220			
200	60	230	32.3	144.5	15,900	15,900	15,600	15,600	12,900												230			
200	60	240	27.8	126.4	13,900	13,900	13,900	13,900	11,500												240			
200	60	250	22.5	104.0	12,000	12,000	12,000	12,000	10,300												250			
200	60	260	15.4	72.9	10,000	10,000	10,000	10,000	9,100												260			
200	80	51.08	82.0	287.6	55,800	55,800	55,800	55,800	55,800												51.08			
200	80	60	80.2	286.0	55,200	55,200	55,200	55,200	55,200												60			
200	80	70	78.1	283.8	54,600	54,600	54,600	54,600	54,600												70			
200	80	80	76.0	281.2	53,900	53,900	53,900	53,900	53,900												80			
200	80	90	73.9	278.3	53,200	53,200	53,200	53,200	53,200												90			
200	80	100	71.8	274.9	52,500	52,500	52,500	52,500	52,500												100			
200	80	110	69.6	271.1	49,700	49,700	49,700	49,700	49,700												110			
200	80	120	67.4	266.9	46,000	46,000	45,900	45,900	44,100												120			
200	80	130	65.2	262.2	42,700	42,700	42,700	42,700	39,400												130			
200	80	140	62.9	257.0	39,800	39,800	39,800	39,800	35,000												140			
200	80	150	60.6	251.3	39,800	39,800	35,700	35,700	31,200												150			
200	80	160	58.2	245.1	36,500	36,500	32,100	32,100	28,000												160			
200	80	170	55.7	238.2	32,700	32,700	29,000	29,000	25,100												170			
200	80	180	53.2	230.7	29,400	29,400	26,200	26,200	22,600												180			
200	80	190	50.6	222.4	26,400	26,400	23,700	23,700	20,400												190			
200	80	200	47.8	213.4	23,700	23,700	21,500	21,500	18,400												200			
200	80	210	45.0	203.4	21,200	21,200	19,600	19,600	16,600												210			
200	80	220	42.0	192.3	19,000	19,000	17,800	17,800	14,900												220			
200	80	230	38.7	179.9	16,900	16,900	16,100	16,100	13,400												230			
200	80	240	35.3	165.9	15,000	15,000	14,600	14,600	12,100												240			
200	80	250	31.4	149.9	13,200	13,200	13,200	13,200	10,800												250			
200	80	260	27.1	131.0	11,500	11,500	11,500	11,500	9,700												260			
200	80	270	22.0	107.6	9,900	9,900	9,900	9,900	8,600												270			
200	80	280	15.1	75.1	8,100	8,100	8,100	8,100	7,600												280			

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348 HYLAB 5 - w/ 80" x 95" Heavy Duty Boom, w/ 39" x 48" Tubular Jib, w/ 221.1K+75K Cwt  
Refer to the Tubular Jib Notes for Heavy Duty Boom in this Crane Rating Manual before operating the crane.

Boom Length (ft)	Jib Length (ft)	Jib Load Radius (ft)	Jib Angle to Boom										Jib Load Radius (ft)					
			5 Degrees					15 Degrees						25 Degrees				
			Boom Angle (deg)	Jib Point Height (ft)	Jib Capacity (lbs)			Boom Angle (deg)	Jib Point Height (ft)	Jib Capacity (lbs)				Boom Angle (deg)	Jib Point Height (ft)	Jib Capacity (lbs)		
					Over End	Blocked	360°			Over End	Blocked	360°				Over End	Blocked	360°
Curve 1	Extended	Retracted			Curve 31	Curve 32	Curve 33			Curve 1	Extended	Retracted	Curve 5					
200	100	55.57	82.0	307.1	45,400	45,400	45,400											55.57
200	100	60	81.2	306.3	45,200	45,200	45,200											60
200	100	70	79.2	304.3	44,800	44,800	44,800											70
200	100	80	77.3	301.9	44,400	44,400	44,400											80
200	100	90	75.3	299.1	43,900	43,900	43,900	80.5	299.8	38,100	38,100	38,100	81.5	292.8	24,600	24,600	24,600	90
200	100	100	73.3	296.0	43,400	43,400	43,400	78.5	297.0	35,200	35,200	35,200	79.5	289.6	23,100	23,100	23,100	100
200	100	110	71.3	292.5	39,900	39,900	39,900	76.5	293.9	32,600	32,700	32,600	77.4	286.0	21,900	21,900	21,900	110
200	100	120	69.3	288.6	39,900	39,900	39,900	74.5	290.3	30,500	30,500	30,600	75.4	282.0	20,800	20,800	20,800	120
200	100	130	67.3	284.3	37,000	37,000	37,000	72.4	286.4	28,600	28,600	28,600	73.2	277.6	19,800	19,800	19,800	130
200	100	140	65.2	279.5	34,400	34,400	34,400	68.2	277.3	25,400	25,400	25,400	71.1	272.7	18,800	18,800	18,800	140
200	100	150	63.0	274.3	32,100	32,100	32,100	66.1	272.0	24,000	24,000	24,000	68.9	267.4	18,000	18,000	18,000	150
200	100	160	60.9	268.6	30,100	30,100	30,100	63.9	266.2	22,800	22,800	22,800	66.7	261.5	17,200	17,200	17,200	160
200	100	170	58.6	262.4	28,300	28,300	28,300	61.7	260.0	21,700	21,600	21,600	64.4	255.1	16,500	16,500	16,500	170
200	100	180	56.3	255.6	26,700	26,600	26,600	59.4	253.1	20,700	20,700	20,700	62.0	248.1	15,900	15,900	15,900	180
200	100	190	54.0	248.2	25,300	24,200	24,200	57.0	245.6	19,800	19,800	19,700	59.6	240.5	15,300	15,300	15,300	190
200	100	200	51.6	240.2	24,000	22,000	22,000	54.5	237.5	19,000	19,000	19,000	57.1	232.1	14,800	14,800	14,800	200
200	100	210	49.1	231.4	21,900	20,000	20,000	52.0	228.6	18,200	18,200	17,700	54.5	223.0	14,400	14,400	14,300	210
200	100	220	46.4	221.7	19,700	18,200	18,200	49.3	218.8	17,500	17,500	16,100	51.8	213.0	13,900	13,900	13,900	220
200	100	230	43.7	211.2	17,700	16,600	16,600	46.5	208.1	16,900	16,900	14,500	48.9	201.9	13,500	13,500	13,500	230
200	100	240	40.8	199.5	15,800	15,100	15,100	43.6	196.2	16,300	15,700	13,100	45.8	189.7	13,200	13,200	13,200	240
200	100	250	37.7	186.5	14,000	13,700	13,700	40.4	183.0	14,800	14,200	11,500	42.6	175.9	12,900	12,900	11,900	250
200	100	260	34.3	171.9	12,400	12,400	12,400	37.0	168.0	13,100	12,900	10,200	39.0	160.3	12,700	12,700	10,600	260
200	100	270	30.6	155.1	10,900	10,900	10,900	33.2	150.9	11,100	11,100	9,100	35.0	142.1	11,500	11,500	9,400	270
200	100	280	26.5	135.4	9,400	9,400	9,400	28.9	130.5	9,500	9,500	8,000	30.3	120.1	9,800	9,800	8,200	280
200	100	290	21.5	111.0	7,900	7,900	7,900	23.7	104.9	8,300	8,300	7,300					290	
200	100	300	14.8	77.3	6,400	6,400	6,200										300	

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**348 HYLAB 5 - w/ 80" x 95" Heavy Duty Boom, w/ 39" x 48" Tubular Jib, w/ 221.1K+75K Cwt**  
Refer to the Tubular Jib Notes for Heavy Duty Boom in this Crane Rating Manual before operating the crane.

Boom Length (ft)	Jib Length (ft)	Jib Load Radius (ft)	Boom Angle (deg)	Jib Point Height (ft)	5 Degrees					Boom Angle (deg)	Jib Point Height (ft)	15 Degrees					Boom Angle (deg)	Jib Point Height (ft)	25 Degrees					Jib Load Radius (ft)				
					Jib Capacity (lbs)			Over End Blocked	Jib Capacity (lbs)			Over End Blocked	Jib Capacity (lbs)			Over End Blocked												
					Curve 1	Extended	Curve 2		Curve 3				Extended	Curve 4	Curve 5				Curve 1	Extended	Curve 2	Curve 3	Extended		Curve 4	Curve 5		
200	120	60.07	82.0	326.6	35,200	35,200	35,200																					60.07
200	120	70	80.2	324.7	35,000	35,000	35,000																					70
200	120	80	78.4	322.5	34,700	34,700	34,700																					80
200	120	90	76.6	319.9	34,500	34,500	34,500																					90
200	120	100	74.7	317.0	34,100	34,100	34,500																					100
200	120	110	72.9	313.7	33,100	33,100	33,100																					110
200	120	120	71.0	310.1	32,100	32,100	32,100																					120
200	120	130	69.1	306.1	30,500	30,500	30,500																					130
200	120	140	67.1	301.7	28,300	28,300	28,300																					140
200	120	150	65.2	296.9	26,400	26,400	26,400																					150
200	120	160	63.1	291.6	24,700	24,700	24,700																					160
200	120	170	61.1	285.9	23,200	23,200	23,200																					170
200	120	180	59.0	279.7	21,900	21,900	21,900																					180
200	120	190	56.9	273.0	20,700	20,700	20,700																					190
200	120	200	54.7	265.7	19,600	19,600	19,600																					200
200	120	210	52.4	257.8	18,600	18,600	17,300																					210
200	120	220	50.1	249.2	17,600	17,600	15,700																					220
200	120	230	47.7	239.9	16,800	16,800	14,200																					230
200	120	240	45.2	229.8	16,100	15,400	12,800																					240
200	120	250	42.5	218.6	14,600	14,000	11,500																					250
200	120	260	39.7	206.4	13,000	12,800	10,400																					260
200	120	270	36.7	192.8	11,500	11,500	9,300																					270
200	120	280	33.5	177.6	10,100	10,100	8,300																					280
200	120	290	29.9	160.1	8,800	8,800	7,400																					290
200	120	300	25.9	139.6	7,500	7,500	6,500																					300
200	120	310	21.1	114.4	6,200	6,200	5,700																					310
200	120	320	14.6	79.5	4,900	4,900	4,900																					320





**348 HYLAB 5 - w/ 80" x 95" Heavy Duty Boom, w/ 39" x 48" Tubular Jib, w/ 221.1K+75K Cwt**  
**Refer to the Tubular Jib Notes for Heavy Duty Boom in this Crane Rating Manual before operating the crane.**

**Jib Angle to Boom**

Boom Length (ft)	Jib Length (ft)	Jib Load Radius (ft)	Boom Angle (deg)	Jib Point Height (ft)	5 Degrees			15 Degrees			25 Degrees			Jib Load Radius (ft)
					Jib Capacity (lbs)			Jib Capacity (lbs)			Jib Capacity (lbs)			
					Over End Blocked	Extended	Retracted	Over End Blocked	Extended	Retracted	Over End Blocked	Extended	Retracted	
200	140	64.57	82.0	346.1	28,100	28,100	28,100							64.57
200	140	70	81.1	345.0	28,000	28,000	28,000							70
200	140	80	79.4	343.0	27,700	27,700	27,700							80
200	140	90	77.7	340.5	27,500	27,500	27,400							90
200	140	100	75.9	337.8	27,200	27,200	27,200							100
200	140	110	74.2	334.8	26,500	26,500	26,500							110
200	140	120	72.4	331.4	25,600	25,500	25,500							120
200	140	130	70.6	327.6	24,700	24,700	24,700							130
200	140	140	68.8	323.5	23,800	23,800	23,800							140
200	140	150	67.0	319.1	22,200	22,200	22,200							150
200	140	160	65.1	314.2	20,700	20,700	20,700							160
200	140	170	63.3	308.9	19,400	19,400	19,400							170
200	140	180	61.3	303.2	18,300	18,300	18,300							180
200	140	190	59.4	297.0	17,200	17,200	17,200							190
200	140	200	57.4	290.4	16,300	16,200	16,300							200
200	140	210	55.3	283.2	15,400	15,400	15,400							210
200	140	220	53.2	275.4	14,600	14,600	14,600							220
200	140	230	51.0	267.0	13,800	13,800	13,800							230
200	140	240	48.8	258.0	13,200	13,200	13,000							240
200	140	250	46.4	248.2	12,500	12,500	11,800							250
200	140	260	44.0	237.5	12,000	12,000	10,600							260
200	140	270	41.4	225.9	11,400	11,500	9,500							270
200	140	280	38.7	213.1	10,600	10,600	8,600							280
200	140	290	35.8	198.9	9,300	9,300	7,600							290
200	140	300	32.7	183.1	8,100	8,100	6,800							300
200	140	310	29.2	165.0	6,900	6,900	6,000							310
200	140	320	25.3	143.8	5,800	5,800	5,200							320
200	140	330	20.6	117.6	4,600	4,600	4,500							330
200	140	340	14.4	81.5	3,500	3,500	3,500							340



**348 HYLAB 5 - w/ 80" x 95" Heavy Duty Boom, w/ 39" x 48" Tubular Jib, w/ 221.1K+75K Cwt**  
Refer to the Tubular Jib Notes for Heavy Duty Boom in this Crane Rating Manual before operating the crane.

Boom Length (ft)	Jib Length (ft)	Jib Load Radius (ft)	Boom Angle (deg)	Jib Point Height (ft)	5 Degrees					Boom Angle (deg)	Jib Point Height (ft)	15 Degrees					Boom Angle (deg)	Jib Point Height (ft)	25 Degrees					Jib Load Radius (ft)
					Jib Capacity (lbs)			Over End Blocked	Jib Capacity (lbs)			Over End Blocked	Jib Capacity (lbs)			Over End Blocked								
					Curve 1	Extended	Retracted		Curve 31				Extended	Retracted	Curve 32				Extended	Retracted	Curve 1	Extended	Retracted	
210	40	43.47	82.0	258.5	71,600	71,600	71,600																	43.47
210	40	50	80.5	257.4	70,800	70,800	70,800																	50
210	40	60	78.2	255.4	69,500	69,600	69,500																	60
210	40	70	75.9	252.9	68,200	68,200	68,200																	70
210	40	80	73.5	250.1	66,900	66,900	66,900																	80
210	40	90	71.1	246.7	65,600	65,600	65,100																	90
210	40	100	68.7	242.9	64,300	63,100	55,800																	100
210	40	110	66.2	238.6	61,300	54,700	48,300																	110
210	40	120	63.7	233.8	53,600	47,900	42,100																	120
210	40	130	61.2	228.4	47,100	42,200	37,400																	130
210	40	140	58.5	222.4	41,600	37,800	33,000																	140
210	40	150	55.8	215.7	38,000	33,700	29,300																	150
210	40	160	53.0	208.4	33,800	30,200	26,100																	160
210	40	170	50.1	200.2	30,000	27,100	23,200																	170
210	40	180	47.0	191.1	26,600	24,300	20,700																	180
210	40	190	43.8	181.0	23,600	21,900	18,500																	190
210	40	200	40.4	169.6	20,900	19,700	16,500																	200
210	40	210	36.7	156.7	18,400	17,700	14,700																	210
210	40	220	32.6	141.8	16,100	15,900	13,100																	220
210	40	230	28.0	124.2	13,900	13,900	11,600																	230
210	40	240	22.6	102.2	11,800	11,800	10,200																	240
210	40	250	15.3	71.8	9,700	9,700	9,000																	250



348 HYLAB 5 - w/ 80" x 95" Heavy Duty Boom, w/ 39" x 48" Tubular Jib, w/ 221.1K+75K Cwt  
Refer to the Tubular Jib Notes for Heavy Duty Boom in this Crane Rating Manual before operating the crane.

Boom Length (ft)	Jib Length (ft)	Jib Load Radius (ft)	Jib Angle to Boom												Jib Load Radius (ft)		
			5 Degrees				15 Degrees				25 Degrees						
			Boom Angle (deg)	Jib Point Height (ft)	Over End Blocked	360° Capacity (lbs)	Boom Angle (deg)	Jib Point Height (ft)	Over End Blocked	360° Capacity (lbs)	Boom Angle (deg)	Jib Point Height (ft)	Over End Blocked	360° Capacity (lbs)			
210	60	47.97	82.0	278.0	61,400	61,400	61,400										47.97
210	60	50	81.6	277.7	61,300	61,300	61,300										50
210	60	60	79.4	275.8	60,300	60,300	60,300										60
210	60	70	77.3	273.5	59,300	59,300	59,300										70
210	60	80	75.1	270.9	58,200	58,200	58,200										80
210	60	90	72.9	267.8	57,200	57,200	57,200										90
210	60	100	70.7	264.3	56,100	56,100	56,100										100
210	60	110	68.4	260.4	55,100	55,100	55,100										110
210	60	120	66.2	256.0	54,100	54,100	54,100										120
210	60	130	63.8	251.1	48,000	43,000	38,200										130
210	60	140	61.4	245.6	42,500	38,600	33,800										140
210	60	150	59.0	239.7	39,000	34,500	30,100										150
210	60	160	56.5	233.1	34,800	30,900	26,800										160
210	60	170	53.9	225.8	31,000	27,800	24,000										170
210	60	180	51.2	217.9	27,700	25,000	21,500										180
210	60	190	48.4	209.1	24,700	22,600	19,200										190
210	60	200	45.5	199.4	22,000	20,400	17,200										200
210	60	210	42.4	188.6	19,500	18,400	15,400										210
210	60	220	39.1	176.6	17,300	16,600	13,800										220
210	60	230	35.6	162.9	15,200	15,000	12,300										230
210	60	240	31.7	147.3	13,300	13,300	10,900										240
210	60	250	27.3	128.8	11,400	11,400	9,700										250
210	60	260	22.1	105.9	9,600	9,600	8,500										260
210	60	270	15.1	74.1	7,800	7,800	7,400										270





348 HYLAB 5 - w/80" x 95" Heavy Duty Boom, w/39" x 48" Tubular Jib, w/221.1K+75K Cwt  
Refer to the Tubular Jib Notes for Heavy Duty Boom in this Crane Rating Manual before operating the crane.

Jib Angle to Boom

Boom Length (ft)	Jib Length (ft)	Jib Load Radius (ft)	Boom Angle (deg)	Jib Point Height (ft)	5 Degrees					Boom Angle (deg)	Jib Point Height (ft)	15 Degrees					Boom Angle (deg)	Jib Point Height (ft)	25 Degrees					Jib Load Radius (ft)			
					Jib Capacity (lbs)			Over End Blocked	Extended			Retracted	Jib Capacity (lbs)			Over End Blocked			Extended	Retracted	Jib Capacity (lbs)				Over End Blocked	Extended	Retracted
					360°	Curve 1	Curve 2						360°	Curve 31	Curve 32						Curve 33	360°	Curve 1				
210	80	52.47	82.0	297.5	51,700	51,700	51,700	51,700	51,700	81.1	292.2	47,700	47,700	47,700	47,700	81.6	286.1	33,500	33,500	33,500	52.47						
210	80	60	80.5	296.1	51,200	51,200	51,200	51,200	51,200	81.1	289.8	44,500	44,500	44,500	44,500	81.6	283.2	31,600	31,600	31,600	60						
210	80	70	78.5	294.0	50,500	50,500	50,500	50,500	50,500	77.1	286.9	41,300	41,400	41,400	41,400	77.4	279.9	29,900	29,900	29,900	70						
210	80	80	76.5	291.6	49,700	49,700	49,700	49,700	49,700	75.0	283.6	40,100	40,100	40,100	40,100	75.3	276.2	28,300	28,300	28,300	80						
210	80	90	74.5	288.7	48,900	48,900	48,900	48,900	48,900	72.9	280.0	39,400	39,400	39,400	39,400	73.2	272.1	27,000	27,000	27,000	90						
210	80	100	72.4	285.5	48,200	48,200	48,200	48,200	48,200	70.8	275.9	37,000	37,000	37,000	37,000	71.0	267.5	25,800	25,800	25,800	100						
210	80	110	70.3	281.9	47,400	47,400	47,400	47,400	47,400	68.6	271.4	34,800	34,800	34,800	34,800	68.7	262.4	24,600	24,600	24,600	110						
210	80	120	68.2	277.8	46,700	46,700	46,700	46,700	46,700	66.4	266.4	32,900	32,900	32,900	32,900	66.5	256.8	23,600	23,600	23,600	120						
210	80	130	66.1	273.3	43,900	43,900	43,900	43,900	43,900	64.2	260.9	31,200	31,200	31,200	31,200	64.1	254.0	22,700	22,700	22,700	130						
210	80	140	63.9	268.4	41,000	39,300	39,300	34,400	34,400	61.9	254.9	29,700	29,700	28,500	28,500	61.7	244.0	21,900	21,900	21,900	140						
210	80	150	61.7	262.9	39,800	35,100	30,700	30,700	30,700	59.5	248.3	28,400	28,300	26,400	25,600	59.3	236.7	21,100	21,100	21,100	150						
210	80	160	59.4	256.9	35,500	31,500	27,400	24,500	24,500	57.1	241.1	27,000	26,000	22,900	22,900	56.7	228.6	20,500	20,500	20,500	160						
210	80	170	57.1	250.4	31,800	28,400	25,600	22,000	22,000	54.6	233.2	26,000	24,000	20,600	20,600	54.1	219.8	19,800	19,900	19,900	170						
210	80	180	54.7	243.3	28,500	25,600	23,200	19,800	19,800	52.0	224.6	23,800	21,700	18,200	18,200	51.3	210.2	19,300	19,300	19,300	180						
210	80	190	52.2	235.5	25,500	23,200	21,000	17,800	17,800	49.3	215.1	21,300	19,700	16,400	16,400	48.4	199.5	18,800	18,800	18,800	190						
210	80	200	49.6	227.0	22,800	21,000	19,000	16,000	16,000	46.5	204.7	19,000	17,500	14,700	14,700	45.3	187.6	17,200	17,200	17,200	200						
210	80	210	46.9	217.6	20,400	19,000	17,200	14,300	14,300	43.5	193.2	16,500	15,900	13,100	13,100	42.0	174.3	15,100	15,100	15,100	210						
210	80	220	44.1	207.3	18,200	17,200	15,500	12,800	12,800	40.3	180.3	14,600	14,200	11,600	11,600	38.4	159.1	13,100	13,100	13,100	220						
210	80	230	41.2	195.9	16,100	15,100	14,100	11,500	11,500	36.8	165.7	12,600	12,800	10,300	10,300	34.3	141.5	11,300	11,300	11,300	230						
210	80	240	38.0	183.3	14,300	14,100	14,100	11,500	11,500	33.0	148.9	11,000	11,000	9,100	9,100	31.0	129.1	9,700	9,700	9,700	240						
210	80	250	34.6	169.0	12,500	12,500	12,500	10,200	10,200	28.6	129.1	9,700	9,700	8,300	8,300	27.0	104.1	8,100	8,100	8,100	250						
210	80	260	30.9	152.6	10,800	10,800	10,800	9,100	9,100	23.3	104.1	8,100	8,100	7,200	7,200	21.0	80.0	7,000	7,000	7,000	260						
210	80	270	26.6	133.3	9,300	9,300	9,300	8,000	8,000	19.0	81.0	7,000	7,000	6,300	6,300	17.0	60.0	6,000	6,000	6,000	270						
210	80	280	21.6	109.4	7,700	7,700	7,700	7,000	7,000	15.0	60.0	6,000	6,000	5,500	5,500	15.0	45.0	5,000	5,000	5,000	280						
210	80	290	14.8	76.3	6,100	6,100	6,100	6,100	6,100	11.0	45.0	5,000	5,000	4,500	4,500	11.0	30.0	3,000	3,000	3,000	290						





**348 HYLAB 5 - w/ 80" x 95" Heavy Duty Boom, w/ 39" x 48" Tubular Jib, w/ 221.1K+75K Cwt**  
Refer to the Tubular Jib Notes for Heavy Duty Boom in this Crane Rating Manual before operating the crane.

Boom Length (ft)	Jib Length (ft)	Jib Load Radius (ft)	Boom Angle (deg)	Jib Point Height (ft)	5 Degrees					Boom Angle (deg)	Jib Point Height (ft)	15 Degrees					Boom Angle (deg)	Jib Point Height (ft)	25 Degrees					Jib Load Radius (ft)			
					Jib Capacity (lbs)			Over End Blocked	Extended			Retracted	Jib Capacity (lbs)			Over End Blocked			Extended	Retracted	Jib Capacity (lbs)				Over End Blocked	Extended	Retracted
					Curve 1	Curve 2	Curve 5						Curve 31	Curve 32	Curve 33						Curve 1	Curve 2	Curve 5				
210	100	56.97	82.0	317.0	42,600	42,600	42,600	42,600															56.97				
210	100	60	81.4	316.5	42,500	42,500	42,500	42,500															60				
210	100	70	79.6	314.5	42,000	42,000	42,000	42,000															70				
210	100	80	77.7	312.2	41,500	41,500	41,500	41,500															80				
210	100	90	75.8	309.5	41,000	41,000	41,000	41,000															90				
210	100	100	73.9	306.5	40,400	40,400	40,400	38,900															100				
210	100	110	72.0	303.2	38,500	38,500	38,500	38,500															110				
210	100	120	70.0	299.4	38,000	38,000	38,000	38,000															120				
210	100	130	68.0	295.2	37,600	37,600	37,600	37,600															130				
210	100	140	66.0	290.7	35,400	35,400	35,400	34,900															140				
210	100	150	64.0	285.7	33,000	33,000	33,000	31,100															150				
210	100	160	61.9	280.2	31,000	31,000	31,000	27,900															160				
210	100	170	59.8	274.2	29,200	28,900	28,900	25,000															170				
210	100	180	57.6	267.8	27,500	26,100	26,100	22,500															180				
210	100	190	55.3	260.7	26,000	23,600	23,600	20,200															190				
210	100	200	53.0	253.1	23,400	21,400	21,400	18,200															200				
210	100	210	50.7	244.8	21,000	19,400	19,400	16,400															210				
210	100	220	48.2	235.7	18,800	17,600	17,600	14,800															220				
210	100	230	45.6	225.8	16,800	16,000	16,000	13,300															230				
210	100	240	42.9	215.0	15,000	14,500	14,500	11,900															240				
210	100	250	40.1	203.0	13,200	13,100	13,100	10,600															250				
210	100	260	37.0	189.7	11,600	11,600	9,500	9,500															260				
210	100	270	33.7	174.8	10,100	10,100	8,400	8,400															270				
210	100	280	30.1	157.7	8,700	8,700	7,400	7,400															280				
210	100	290	26.0	137.6	7,300	7,300	6,500	6,500															290				
210	100	300	21.1	112.8	6,000	6,000	5,600	5,600															300				
210	100	310	14.6	78.5	4,600	4,600	4,600	4,600															310				





**348 HYLAB 5 - w/ 80" x 95" Heavy Duty Boom, w/ 39" x 48" Tubular Jib, w/ 221.1K+75K Cwt**  
Refer to the Tubular Jib Notes for Heavy Duty Boom in this Crane Rating Manual before operating the crane.

Boom Length (ft)	Jib Length (ft)	Jib Load Radius (ft)	Boom Angle (deg)	Jib Point Height (ft)	5 Degrees					Boom Angle (deg)	Jib Point Height (ft)	15 Degrees					Boom Angle (deg)	Jib Point Height (ft)	25 Degrees					Jib Load Radius (ft)			
					Jib Capacity (lbs)			Over End Blocked	Extended			Retracted	Jib Capacity (lbs)			Over End Blocked			Extended	Retracted	Jib Capacity (lbs)				Over End Blocked	Extended	Retracted
					Curve 1	Curve 2	Curve 5						Curve 31	Curve 32	Curve 33						Curve 1	Curve 2	Curve 5				
210	120	61.47	82.0	336.5	33,500	33,500	33,500																			61.47	
210	120	70	80.5	334.9	33,300	33,300	33,300																				70
210	120	80	78.7	332.7	33,000	33,000	33,000																				80
210	120	90	77.0	330.2	32,700	32,700	32,700																				90
210	120	100	75.2	327.4	32,400	32,400	32,400																				100
210	120	110	73.4	324.3	32,000	32,000	32,000																				110
210	120	120	71.6	320.8	31,700	31,700	32,000																				120
210	120	130	69.7	316.9	31,000	31,000	31,000																				130
210	120	140	67.9	312.6	29,100	29,100	29,100																				140
210	120	150	66.0	308.0	27,100	27,100	27,100																				150
210	120	160	64.0	303.0	25,400	25,400	25,400																				160
210	120	170	62.1	297.5	23,900	23,900	23,900																				170
210	120	180	60.1	291.5	22,500	22,500	22,500																				180
210	120	190	58.0	285.1	21,300	21,300	21,300																				190
210	120	200	55.9	278.1	20,200	20,200	20,200																				200
210	120	210	53.8	270.6	19,100	19,100	19,100																				210
210	120	220	51.6	262.5	18,200	18,200	18,200																				220
210	120	230	49.3	253.7	17,300	17,300	17,300																				230
210	120	240	46.9	244.1	15,500	15,500	16,300																				240
210	120	250	44.4	233.7	13,800	13,400	14,800																				250
210	120	260	41.8	222.3	12,200	12,200	12,200																				260
210	120	270	39.0	209.8	10,700	10,700	9,800																				270
210	120	280	36.1	195.9	9,300	9,300	7,700																				280
210	120	290	32.9	180.4	8,000	8,000	6,800																				290
210	120	300	29.4	162.6	6,800	6,800	6,000																				300
210	120	310	25.4	141.7	5,600	5,600	5,200																				310
210	120	320	20.7	116.1	4,400	4,400	4,400																				320
210	120	330	14.4	80.5	3,100	3,100	3,100																				330

Link-Belt Construction Equipment Company  
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**348 HYLAB 5 - w/ 80" x 95" Heavy Duty Boom, w/ 39" x 48" Tubular Jib, w/ 221.1K+75K Cwt**  
Refer to the Tubular Jib Notes for Heavy Duty Boom in this Crane Rating Manual before operating the crane.  
Jib Angle to Boom

Boom Length (ft)	Jib Length (ft)	Jib Load Radius (ft)	Boom Angle (deg)	Jib Point Height (ft)	5 Degrees						Boom Angle (deg)	Jib Point Height (ft)	15 Degrees						Boom Angle (deg)	Jib Point Height (ft)	25 Degrees						Jib Load Radius (ft)
					Jib Capacity (lbs)			Over End Blocked	Jib Capacity (lbs)				Over End Blocked	Jib Capacity (lbs)			Over End Blocked	Jib Capacity (lbs)			Over End Blocked						
					Curve 1	Extended	Retracted		Curve 31	Extended				Retracted	Curve 32	Extended		Retracted				Curve 33	Extended	Retracted	Curve 1	Extended	
210	140	65.96	82.0	356.0	27,300	27,300	27,300																			65.96	
210	140	70	81.3	355.2	27,200	27,200	27,200																			70	
210	140	80	79.7	353.2	26,900	26,900	26,900																			80	
210	140	90	78.0	350.9	26,700	26,700	26,700																			90	
210	140	100	76.3	348.2	26,400	26,400	26,400																			100	
210	140	110	74.6	345.3	26,200	26,200	26,200																			110	
210	140	120	72.9	342.0	25,500	25,500	25,500																			120	
210	140	130	71.2	338.3	24,700	24,600	24,600																			140	
210	140	140	69.5	334.4	23,800	23,800	23,800																			150	
210	140	150	67.7	330.1	22,800	22,800	22,800																			170	
210	140	160	65.9	325.3	21,300	21,300	21,300																			180	
210	140	170	64.1	320.3	20,000	20,000	20,000																			190	
210	140	180	62.2	314.8	18,800	18,800	18,800																			200	
210	140	190	60.3	308.8	17,700	17,700	17,700																			210	
210	140	200	58.4	302.4	16,700	16,700	16,700																			210	
210	140	210	56.4	295.5	15,800	15,800	15,800																			220	
210	140	220	54.4	288.1	15,000	15,000	15,000																			230	
210	140	230	52.4	280.2	14,300	14,300	14,300																			240	
210	140	240	50.2	271.6	13,600	13,600	13,600																			240	
210	140	250	48.0	262.3	12,900	12,900	12,900																			250	
210	140	260	45.7	252.2	12,400	12,400	12,400																			260	
210	140	270	43.3	241.3	11,100	11,100	11,100																			270	
210	140	280	40.8	229.4	9,800	9,800	9,800																			280	
210	140	290	38.1	216.4	8,500	8,500	8,500																			290	
210	140	300	35.3	201.9	7,300	7,300	7,300																			300	
210	140	310	32.2	185.8	6,200	6,200	6,200																			310	
210	140	320	28.8	167.4	5,100	5,100	5,100																			320	
210	140	330	24.9	145.8	4,000	4,000	4,000																			330	
210	140	340	20.3	119.2	2,900	2,900	2,900																			340	



**348 HYLAB 5 - w/ 80" x 95" Heavy Duty Boom, w/ 39" x 48" Tubular Jib, w/ 221.1K+75K Cwt**  
Refer to the Tubular Jib Notes for Heavy Duty Boom in this Crane Rating Manual before operating the crane.

Boom Length (ft)	Jib Length (ft)	Jib Load Radius (ft)	Boom Angle (deg)	Jib Point Height (ft)	5 Degrees					Boom Angle (deg)	Jib Point Height (ft)	15 Degrees					Boom Angle (deg)	Jib Point Height (ft)	25 Degrees					Jib Load Radius (ft)							
					Jib Capacity (lbs)							Jib Capacity (lbs)							Jib Capacity (lbs)												
					Over End Blocked	Extended	Retracted	Curve 1	Curve 2			Curve 3	Curve 4	Curve 5	Curve 6	Curve 7			Curve 8	Curve 9	Curve 10	Curve 11	Curve 12		Curve 13	Curve 14	Curve 15				
220	40	44.86	82.0	268.4	65,300	65,300	65,300																								44.86
220	40	50	80.9	267.6	64,600	64,600	64,600																								50
220	40	60	78.7	265.6	63,300	63,300	63,300			80.1	264.6	62,500	62,500	62,500	62,500	62,500	62,500	62,500	62,500												60
220	40	70	76.4	263.3	62,000	62,000	62,000			77.9	262.2	60,900	60,900	60,900	60,900	60,900	60,900	60,900	60,900												70
220	40	80	74.2	260.5	60,700	60,700	60,700			75.6	259.4	59,200	59,200	59,200	59,200	59,200	59,200	59,200	59,200												80
220	40	90	71.9	257.3	59,400	59,400	59,400			73.3	256.2	57,800	57,800	57,800	57,800	57,800	57,800	57,800	57,800												90
220	40	100	69.6	253.7	58,100	58,100	58,100			71.0	252.6	56,400	56,400	56,400	56,300	56,300	56,300	56,300	56,300												100
220	40	110	67.2	249.5	56,900	56,900	56,900			68.6	248.4	55,100	55,100	55,100	48,600	48,600	48,600	48,600	48,600												110
220	40	120	64.8	244.9	52,500	52,500	47,300			66.2	243.8	53,700	48,000	48,000	42,300	42,300	42,300	42,300	42,300												120
220	40	130	62.4	239.8	46,100	46,100	41,600			63.7	238.6	46,700	42,300	37,400	37,400	37,400	37,400	37,400	37,400												130
220	40	140	59.9	234.1	40,600	40,600	37,300			61.2	232.9	41,200	37,800	33,000	33,000	33,000	33,000	33,000	33,000												140
220	40	150	57.3	227.8	37,100	37,100	33,100			58.6	226.6	37,500	33,600	30,000	30,000	30,000	30,000	29,200	29,200												150
220	40	160	54.6	220.9	32,800	32,800	29,600			56.0	219.6	33,100	30,000	30,000	26,700	26,700	26,700	26,700	25,800												160
220	40	170	51.9	213.2	29,100	29,100	26,500			53.2	211.9	29,300	26,700	26,700	22,900	22,900	22,900	22,900	22,900												170
220	40	180	49.0	204.7	25,700	25,700	23,700			50.3	203.3	25,900	23,900	23,900	20,300	20,300	20,300	20,300	20,300												180
220	40	190	46.1	195.3	22,800	22,800	21,300			47.3	193.9	22,800	21,400	21,400	18,000	18,000	18,000	18,000	18,000												190
220	40	200	42.9	184.9	20,100	20,100	19,100			44.2	183.3	20,100	19,100	19,100	16,000	16,000	16,000	16,000	16,000												200
220	40	210	39.6	173.2	17,600	17,600	17,100			40.8	171.5	17,500	17,100	17,100	14,100	14,100	14,100	14,100	14,100												210
220	40	220	35.9	159.9	15,300	15,300	15,300			37.1	158.1	15,200	15,200	15,200	12,400	12,400	12,400	12,400	12,400												220
220	40	230	32.0	144.6	13,200	13,200	13,200			33.1	142.6	13,000	13,000	13,000	10,900	10,900	10,900	10,900	10,900												230
220	40	240	27.5	126.5	11,200	11,200	11,200			28.5	124.2	11,500	11,500	11,500	9,800	9,800	9,800	9,800	9,800												240
220	40	250	22.1	104.1	9,300	9,300	9,300			23.1	101.3	9,500	9,500	9,500	8,500	8,500	8,500	8,500	8,500												250
220	40	260	15.0	73.0	7,400	7,400	7,400																								260

Link-Belt Construction Equipment Company  
348HYLAB5





**348 HYLAB 5 - w/ 80" x 95" Heavy Duty Boom, w/ 39" x 48" Tubular Jib, w/ 221.1K+75K Cwt**  
Refer to the Tubular Jib Notes for Heavy Duty Boom in this Crane Rating Manual before operating the crane.

Boom Length (ft)	Jib Length (ft)	Jib Load Radius (ft)	Boom Angle (deg)	Jib Point Height (ft)	5 Degrees					Boom Angle (deg)	Jib Point Height (ft)	15 Degrees					Boom Angle (deg)	Jib Point Height (ft)	25 Degrees					Jib Load Radius (ft)
					Jib Capacity (lbs)							Jib Capacity (lbs)							Jib Capacity (lbs)					
					Over End Blocked	Extended	Retracted	Curve 1	Curve 2			Curve 3	Curve 4	Curve 5	Curve 6	Curve 7			Curve 8	Curve 9	Curve 10	Curve 11	Curve 12	
220	60	49.36	82.0	287.9	56,400	56,400	56,400	56,400	56,400	56,400	81.9	284.5	53,900	53,900	53,900	53,900	53,900	81.7	279.4	44,000	44,000	44,000	44,000	49.36
220	60	50	81.9	287.8	56,300	56,300	56,300	56,300	56,300	56,300	81.9	284.5	52,500	52,500	52,500	52,500	52,500	81.7	279.4	44,000	44,000	44,000	44,000	50
220	60	60	79.8	286.0	55,300	55,300	55,300	55,300	55,300	55,300	79.8	282.3	51,200	51,200	51,200	51,200	51,200	79.6	276.8	41,500	41,500	41,500	41,500	60
220	60	70	77.7	283.8	54,200	54,200	54,200	54,200	54,200	54,200	77.7	279.8	50,000	50,000	50,000	50,000	50,000	77.4	273.8	40,100	40,100	40,100	40,100	70
220	60	80	75.7	281.3	53,100	53,100	53,100	53,100	53,100	53,100	75.6	276.8	48,700	48,700	48,700	48,700	48,700	75.3	270.4	40,100	40,100	40,100	40,100	80
220	60	90	73.5	278.3	52,100	52,100	52,100	52,100	52,100	52,100	73.4	273.4	47,700	47,700	47,700	47,700	47,700	73.1	266.5	38,800	38,800	38,800	38,800	90
220	60	100	71.4	275.0	51,000	51,000	51,000	51,000	51,000	51,000	71.2	269.6	46,100	46,100	46,100	46,100	46,100	70.8	262.2	37,000	37,000	37,000	37,000	100
220	60	110	69.3	271.2	50,000	50,000	50,000	50,000	50,000	50,000	69.0	265.4	43,500	43,500	43,500	43,500	43,500	68.5	257.5	35,400	35,400	35,400	35,400	110
220	60	120	67.1	266.9	49,000	49,000	49,000	49,000	49,000	49,000	68.8	260.7	43,600	43,600	43,600	43,600	43,600	66.2	252.2	34,000	34,000	34,000	34,000	120
220	60	130	64.8	262.3	47,000	47,000	47,000	47,000	47,000	47,000	68.8	260.7	43,600	43,600	43,600	43,600	43,600	66.2	252.2	34,000	34,000	34,000	34,000	130
220	60	140	62.5	257.1	45,000	45,000	45,000	45,000	45,000	45,000	64.5	255.4	39,100	39,100	39,100	39,100	39,100	63.8	246.4	32,700	32,700	32,700	32,700	140
220	60	150	60.2	251.4	43,800	43,800	43,800	43,800	43,800	43,800	62.1	249.7	39,400	39,400	39,400	39,400	39,400	61.4	240.0	31,500	31,500	31,500	31,500	150
220	60	160	57.8	245.1	42,600	42,600	42,600	42,600	42,600	42,600	59.7	243.4	35,000	35,000	35,000	35,000	35,000	58.9	233.0	30,500	30,500	30,500	30,500	160
220	60	170	55.4	238.3	41,400	41,400	41,400	41,400	41,400	41,400	57.3	236.5	31,100	31,100	31,100	31,100	31,100	56.3	225.3	28,200	28,200	28,200	28,200	170
220	60	180	52.8	230.7	40,200	40,200	40,200	40,200	40,200	40,200	54.7	228.9	27,300	27,300	27,300	27,300	27,300	53.6	216.8	25,000	25,000	25,000	25,000	180
220	60	190	50.2	222.5	39,000	39,000	39,000	39,000	39,000	39,000	52.1	220.6	24,300	24,300	24,300	24,300	24,300	50.8	207.5	22,200	22,200	22,200	22,200	190
220	60	200	47.5	213.4	37,800	37,800	37,800	37,800	37,800	37,800	49.3	211.4	21,500	21,500	21,500	21,500	21,500	47.9	197.2	19,600	19,600	19,600	19,600	200
220	60	210	44.6	203.4	36,600	36,600	36,600	36,600	36,600	36,600	46.4	201.3	19,000	19,000	19,000	19,000	19,000	44.7	185.7	17,200	17,200	17,200	17,200	210
220	60	220	41.6	192.4	35,400	35,400	35,400	35,400	35,400	35,400	43.4	190.1	16,600	16,600	16,600	16,600	16,600	41.4	172.8	15,000	15,000	15,000	15,000	220
220	60	230	38.4	180.0	34,200	34,200	34,200	34,200	34,200	34,200	40.1	177.6	14,500	14,500	14,500	14,500	14,500	37.7	158.2	12,900	12,900	12,900	12,900	230
220	60	240	34.9	166.0	33,000	33,000	33,000	33,000	33,000	33,000	36.6	163.4	12,500	12,500	12,500	12,500	12,500	33.7	141.2	11,000	11,000	11,000	11,000	240
220	60	250	31.1	150.0	31,800	31,800	31,800	31,800	31,800	31,800	32.7	147.1	10,700	10,700	10,700	10,700	10,700	33.7	141.2	9,100	9,100	9,100	9,100	250
220	60	260	26.8	131.1	30,600	30,600	30,600	30,600	30,600	30,600	28.3	127.7	9,400	9,400	9,400	9,400	9,400							260
220	60	270	21.6	107.7	29,400	29,400	29,400	29,400	29,400	29,400	22.9	103.5	7,700	7,700	7,700	7,700	7,700							270
220	60	280	14.8	75.3	28,200	28,200	28,200	28,200	28,200	28,200														280



348 HYLAB 5 - w/ 80" x 95" Heavy Duty Boom, w/ 39" x 48" Tubular Jib, w/ 221.1K+75K Cwt  
 Refer to the Tubular Jib Notes for Heavy Duty Boom in this Crane Rating Manual before operating the crane.

Boom Length (ft)	Jib Length (ft)	Jib Load Radius (ft)	Boom Angle (deg)	Jib Point Height (ft)	5 Degrees			15 Degrees			25 Degrees			Jib Load Radius (ft)
					Over End Blocked	Jib Capacity (lbs)		Over End Blocked	Jib Capacity (lbs)		Over End Blocked	Jib Capacity (lbs)		
						Curve 1	360°		Curve 31	360°		Curve 32	360°	
220	80	53.86	82.0	307.4	47,900	47,900	47,900							53.86
220	80	60	80.8	306.3	47,400	47,400	47,400							60
220	80	70	78.9	304.3	46,600	46,600	46,600							70
220	80	80	77.0	301.9	45,800	45,800	45,800							80
220	80	90	75.0	299.2	45,000	45,000	45,000							90
220	80	100	73.0	296.1	44,200	44,200	44,200							100
220	80	110	71.0	292.5	43,400	43,400	43,400							110
220	80	120	69.0	288.6	42,600	42,600	42,600							120
220	80	130	66.9	284.3	41,800	41,800	38,200							130
220	80	140	64.8	279.6	41,100	38,700	33,900							140
220	80	150	62.7	274.4	38,700	34,500	30,100							150
220	80	160	60.5	268.7	34,600	30,900	26,800							160
220	80	170	58.3	262.4	30,800	27,800	24,000							170
220	80	180	56.0	255.6	27,500	25,000	21,400							180
220	80	190	53.7	248.2	24,600	22,600	19,200							190
220	80	200	51.2	240.2	21,900	20,400	17,200							200
220	80	210	48.7	231.4	19,500	18,400	15,400							210
220	80	220	46.1	221.8	17,300	16,600	13,700							220
220	80	230	43.4	211.2	15,300	15,000	12,200							230
220	80	240	40.5	199.5	13,400	13,400	10,900							240
220	80	250	37.4	186.5	11,700	11,700	9,600							250
220	80	260	34.0	171.9	10,100	10,100	8,500							260
220	80	270	30.3	155.2	8,600	8,600	7,400							270
220	80	280	26.1	135.5	7,100	7,100	6,400							280
220	80	290	21.2	111.1	5,700	5,700	5,500							290
220	80	300	14.5	77.5	4,200	4,200	4,200							300



348 HYLAB 5 - w/ 80" x 95" Heavy Duty Boom, w/ 39" x 48" Tubular Jib, w/ 221.1K+75K Cwt  
Refer to the Tubular Jib Notes for Heavy Duty Boom in this Crane Rating Manual before operating the crane.

Boom Length (ft)	Jib Length (ft)	Jib Load Radius (ft)	Boom Angle (deg)	Jib Point Height (ft)	5 Degrees					Boom Angle (deg)	Jib Point Height (ft)	15 Degrees					Boom Angle (deg)	Jib Point Height (ft)	25 Degrees					Jib Load Radius (ft)	
					Jib Capacity (lbs)			Over End Blocked	Curve 1			Jib Capacity (lbs)			Over End Blocked	Curve 31			Curve 32	Curve 33	Over End Blocked	Curve 1	Curve 2		Curve 5
					Extended	Retracted	Curve 5					Extended	Retracted	Curve 5											
220	100	58.36	82.0	326.9	38,000	38,000	38,000																	58.36	
220	100	60	81.7	326.6	38,000	38,000	38,000	38,000																	60
220	100	70	79.9	324.7	37,600	37,600	37,600																		70
220	100	80	78.1	322.5	37,100	37,100	37,100																		80
220	100	90	76.3	319.9	36,700	36,700	36,700																		90
220	100	100	74.4	317.0	36,200	36,200	36,200																		100
220	100	110	72.5	313.7	35,700	35,700	35,700																		110
220	100	120	70.7	310.1	35,200	35,200	35,200																		120
220	100	130	68.7	306.1	34,700	34,700	34,700																		130
220	100	140	66.8	301.7	34,200	34,200	34,200																		140
220	100	150	64.8	296.9	33,700	33,700	33,700																		150
220	100	160	62.8	291.6	33,900	31,400	27,300																		160
220	100	170	60.8	285.9	30,000	28,300	24,400																		170
220	100	180	58.7	279.7	28,100	25,500	21,900																		180
220	100	190	56.6	273.0	25,200	23,000	19,600																		190
220	100	200	54.4	265.7	22,500	20,800	17,600																		200
220	100	210	52.1	257.8	20,100	18,800	15,800																		210
220	100	220	49.8	249.3	18,000	17,000	14,200																		220
220	100	230	47.4	240.0	16,000	15,400	12,700																		230
220	100	240	44.8	229.8	14,100	13,900	11,300																		240
220	100	250	42.2	218.7	12,400	12,400	10,000																		250
220	100	260	39.4	206.4	10,800	10,800	8,900																		260
220	100	270	36.4	192.9	9,400	9,400	7,800																		270
220	100	280	33.2	177.6	8,000	8,000	6,800																		280
220	100	290	29.6	160.2	6,600	6,600	5,900																		290
220	100	300	25.6	139.7	5,300	5,300	5,100																		300
220	100	310	20.8	114.5	4,100	4,100	4,100																		310
220	100	320	14.3	79.6	2,800	2,800	2,800																		320



**348 HYLAB 5 - w/80" x 95" Heavy Duty Boom, w/39" x 48" Tubular Jib, w/221.1K+75K Cwt**  
Refer to the Tubular Jib Notes for Heavy Duty Boom in this Crane Rating Manual before operating the crane.

Boom Length (ft)	Jib Length (ft)	Jib Load Radius (ft)	Jib Angle to Boom											Jib Load Radius (ft)				
			5 Degrees					15 Degrees					25 Degrees					
			Jib Capacity (lbs)			Boom Angle (deg)	Jib Point Height (ft)	Jib Capacity (lbs)			Boom Angle (deg)	Jib Point Height (ft)	Jib Capacity (lbs)			Boom Angle (deg)	Jib Point Height (ft)	
			Over End Blocked	Extended	Retracted			Over End Blocked	Extended	Retracted			Over End Blocked		Extended			Retracted
220	120	62.86	82.0	346.4	31,700	31,700	31,700	80.7	338.1	28,200	28,200	28,200						62.86
220	120	70	80.8	345.1	31,500	31,500	31,500											70
220	120	80	79.1	343.0	31,200	31,200	31,200											80
220	120	90	77.4	340.6	30,900	30,900	30,900	80.7	338.1	28,200	28,200	28,200						90
220	120	100	75.6	337.8	30,500	30,500	30,500	79.0	335.4	27,500	27,500	27,500						100
220	120	110	73.9	334.8	30,100	30,100	30,100	77.2	332.3	25,700	25,700	25,700	80.4	327.3	17,900	17,900	17,900	110
220	120	120	72.1	331.4	29,800	29,800	29,800	75.5	328.9	24,100	24,100	24,100	78.6	323.9	17,000	17,000	17,000	120
220	120	130	70.3	327.7	29,400	29,400	29,400	73.7	325.1	22,700	22,700	22,700	76.8	320.0	16,100	16,100	16,100	130
220	120	140	68.5	323.6	29,000	29,000	29,000	71.8	321.0	21,400	21,400	21,400	75.0	315.8	15,400	15,400	15,400	140
220	120	150	66.7	319.1	27,800	27,800	27,900	70.0	316.5	20,100	20,200	20,200	73.1	311.2	14,600	14,600	14,600	150
220	120	160	64.9	314.2	26,100	26,100	26,100	68.1	311.5	19,200	19,200	19,200	71.2	306.2	14,000	14,000	14,000	160
220	120	170	63.0	308.9	24,500	24,500	24,500	66.2	306.2	18,200	18,200	18,200	69.2	300.8	13,400	13,400	13,400	170
220	120	180	61.0	303.2	23,100	23,100	22,300	64.3	300.4	17,400	17,400	17,400	67.3	294.9	12,900	12,900	12,900	180
220	120	190	59.1	297.0	21,900	21,900	20,000	62.3	294.2	16,600	16,600	16,600	65.2	288.6	12,400	12,400	12,400	190
220	120	200	57.1	290.4	20,700	20,700	18,000	60.3	287.5	15,800	15,800	15,800	63.2	281.7	11,900	11,900	11,900	200
220	120	210	55.0	283.2	19,700	19,200	16,100	58.2	280.2	15,200	15,200	15,200	61.0	274.3	11,500	11,500	11,500	210
220	120	220	52.9	275.4	18,400	17,400	14,500	56.1	272.4	14,500	14,500	14,500	58.9	266.3	11,100	11,100	11,100	220
220	120	230	50.7	267.1	16,400	15,700	13,000	53.9	263.9	14,000	14,000	14,000	56.6	257.6	10,700	10,700	10,700	230
220	120	240	48.5	258.0	14,600	14,200	11,600	51.6	254.7	13,500	13,400	12,500	54.3	248.2	10,400	10,400	10,400	240
220	120	250	46.1	248.2	12,900	12,900	10,400	49.2	244.8	13,000	13,000	11,200	51.8	238.0	10,100	10,100	10,100	250
220	120	260	43.7	237.6	11,400	11,400	9,200	46.7	234.0	12,400	12,300	10,000	48.3	226.8	9,800	9,800	9,800	260
220	120	270	41.1	225.9	9,900	9,900	8,100	44.1	222.2	10,900	10,900	8,600	46.6	214.5	9,600	9,600	9,200	270
220	120	280	38.4	213.1	8,600	8,600	7,200	41.4	209.1	9,500	9,500	7,500	43.7	201.0	9,300	9,300	8,000	280
220	120	290	35.5	199.0	7,300	7,300	6,200	38.4	194.7	7,800	7,800	6,600	40.6	185.9	8,400	8,400	7,000	290
220	120	300	32.4	183.1	6,100	6,100	5,400	35.2	178.4	6,400	6,500	5,500	37.2	168.7	6,900	7,000	5,900	300
220	120	310	28.9	165.0	4,900	4,900	4,600	31.6	159.8	5,100	5,100	4,800	33.4	148.8	5,600	5,600	5,000	310
220	120	320	25.0	143.8	3,800	3,800	3,800	27.6	137.7	4,300	4,300	4,100						320
220	120	330	20.4	117.7	2,600	2,600	2,600	22.6	110.0	3,000	3,000	3,000						330



**348 HYLAB 5 - w/ 80" x 95" Heavy Duty Boom, w/ 39" x 48" Tubular Jib, w/ 221.1K+75K Cwt**  
Refer to the Tubular Jib Notes for Heavy Duty Boom in this Crane Rating Manual before operating the crane.

Jib Angle to Boom																							
Boom Length (ft)	Jib Length (ft)	Jib Load Radius (ft)	Boom Angle (deg)	Jib Point Height (ft)	5 Degrees						15 Degrees						25 Degrees						Jib Load Radius (ft)
					Jib Capacity (lbs)			Over End Blocked Curve 1	Jib Capacity (lbs)			Over End Blocked Curve 31	Jib Capacity (lbs)			Over End Blocked Curve 1	Jib Capacity (lbs)						
					Extended Curve 2	Retracted Curve 5	360°		Extended Curve 32	Retracted Curve 33	360°		Extended Curve 2	Retracted Curve 5	360°								
220	140	67.36	82.0	365.9	26,200	26,200	26,200														67.36		
220	140	70	81.6	365.4	26,100	26,100	26,100														70		
220	140	80	80.0	363.4	25,800	25,800	25,800														80		
220	140	90	78.4	361.1	25,500	25,500	25,500														90		
220	140	100	76.7	358.6	25,300	25,300	25,300														100		
220	140	110	75.1	355.7	25,000	25,000	25,000														110		
220	140	120	73.4	352.5	24,700	24,700	24,700														120		
220	140	130	71.8	349.0	24,400	24,400	24,400														130		
220	140	140	70.1	345.2	23,800	23,800	23,800														140		
220	140	150	68.4	341.0	23,000	23,000	23,000														150		
220	140	160	66.6	336.4	21,800	21,800	21,800														160		
220	140	170	64.9	331.5	20,500	20,500	20,500														170		
220	140	180	63.1	326.2	19,300	19,300	19,300														180		
220	140	190	61.3	320.5	18,200	18,200	18,200														190		
220	140	200	59.4	314.3	17,200	17,200	17,200														200		
220	140	210	57.5	307.7	16,300	16,300	16,300														210		
220	140	220	55.6	300.6	15,500	15,400	14,800														220		
220	140	230	53.6	293.0	14,700	14,700	13,900														230		
220	140	240	51.6	284.8	14,000	14,000	11,900														240		
220	140	250	49.4	276.0	13,300	13,100	10,600														250		
220	140	260	47.3	266.5	11,800	11,800	9,500														260		
220	140	270	45.0	256.2	10,300	10,300	8,400														270		
220	140	280	42.6	245.1	9,000	9,000	7,400														280		
220	140	290	40.2	232.9	7,700	7,700	6,500														290		
220	140	300	37.5	219.6	6,500	6,500	5,600														300		
220	140	310	34.7	204.9	5,400	5,400	4,800														310		
220	140	320	31.7	188.4	4,300	4,300	4,100														320		
220	140	330	28.3	169.7	3,300	3,300	3,300														330		
220	140	340	24.5	147.8	2,300	2,300	2,300														340		





348 HYLAB 5 - w/ 80" x 95" Heavy Duty Boom, w/ 39" x 48" Tubular Jib, w/ 221.1K+75K Cwt  
Refer to the Tubular Jib Notes for Heavy Duty Boom in this Crane Rating Manual before operating the crane.

Jib Angle to Boom

Boom Length (ft)	Jib Length (ft)	Jib Load Radius (ft)	Boom Angle (deg)	Jib Point Height (ft)	5 Degrees				Boom Angle (deg)	Jib Point Height (ft)	15 Degrees				Boom Angle (deg)	Jib Point Height (ft)	25 Degrees				Jib Load Radius (ft)
					Over End Blocked	Extended	Retracted	Curve 1			Over End Blocked	Extended	Retracted	Curve 31			Over End Blocked	Extended	Retracted	Curve 32	
230	40	46.25	82.0	278.3	59,600	59,100	59,100	59,600													46.25
230	40	50	81.2	277.7	59,100	59,100	59,100	59,600	80.5	274.8	57,200	57,200	57,200	57,200	81.8	272.7	55,000	55,000	55,000		50
230	40	60	79.1	275.9	57,800	57,800	57,800	57,800	78.3	272.5	55,500	55,500	55,500	55,500	79.6	270.4	53,200	53,200	53,200	55,000	60
230	40	70	76.9	273.6	56,500	56,500	56,500	56,500	76.1	269.9	54,000	54,000	54,000	54,000	77.4	267.7	51,500	51,500	51,500	53,200	70
230	40	80	74.8	270.9	55,200	55,200	55,200	55,200	73.9	266.8	52,500	52,500	52,500	52,500	75.2	264.6	49,900	49,900	49,900	51,500	80
230	40	90	72.6	267.9	53,900	53,900	53,900	53,900	71.7	263.3	51,100	51,100	51,100	51,100	73.0	261.1	48,500	48,500	48,500	49,900	90
230	40	100	70.3	264.4	52,700	52,700	52,700	52,700	69.4	259.3	49,800	49,800	49,800	49,800	70.7	257.1	47,200	47,200	47,200	48,500	100
230	40	110	68.1	260.4	51,400	51,400	51,400	51,400	67.1	254.9	48,600	48,600	48,600	48,600	68.3	252.6	46,000	46,000	46,000	47,200	110
230	40	120	65.8	256.0	50,300	50,300	50,300	50,300	64.8	249.9	46,200	46,200	46,200	46,200	66.0	247.6	44,800	44,800	44,800	46,000	120
230	40	130	63.5	251.1	45,100	45,100	45,100	45,100	62.4	244.5	44,700	44,700	44,700	44,700	63.6	242.1	41,500	41,500	41,500	44,800	130
230	40	140	61.1	245.7	39,700	39,700	39,700	39,700	59.9	238.5	37,000	37,000	37,000	37,000	61.1	236.1	37,800	37,800	37,800	41,500	140
230	40	150	58.6	239.7	36,100	36,100	36,100	36,100	57.4	231.9	32,700	32,700	32,700	32,700	58.5	229.4	33,400	33,400	33,400	37,800	150
230	40	160	56.1	233.1	31,900	31,900	31,900	31,900	54.8	224.6	28,900	28,900	28,900	28,900	55.9	222.0	29,500	29,500	29,500	33,400	160
230	40	170	53.5	225.9	28,200	28,200	28,200	28,200	52.1	216.6	25,500	25,500	25,500	25,500	53.2	213.9	26,100	26,100	26,100	29,500	170
230	40	180	50.9	217.9	24,800	24,800	24,800	24,800	49.3	207.7	22,500	22,500	22,500	22,500	50.3	204.9	23,000	23,000	23,000	26,100	180
230	40	190	48.1	209.2	21,900	21,900	21,900	21,900	46.4	198.0	19,800	19,800	19,800	19,800	47.3	195.0	20,200	20,200	20,200	23,000	190
230	40	200	45.2	199.5	19,200	19,200	19,200	19,200	43.3	187.1	17,300	17,300	17,300	17,300	44.2	184.0	17,600	17,600	17,600	20,200	200
230	40	210	42.1	188.7	16,800	16,800	16,800	16,800	40.0	175.0	15,000	15,000	15,000	15,000	40.8	171.6	15,300	15,300	15,300	17,600	210
230	40	220	38.8	176.6	14,600	14,600	14,600	14,600	36.4	161.2	12,900	12,900	12,900	12,900	37.1	157.5	13,100	13,100	13,100	15,300	220
230	40	230	35.2	163.0	12,500	12,500	12,500	12,500	32.4	145.3	10,900	10,900	10,900	10,900	33.1	141.2	11,100	11,100	11,100	13,100	230
230	40	240	31.4	147.4	10,600	10,600	10,600	10,600	28.0	126.5	9,000	9,000	9,000	9,000						11,100	240
230	40	250	27.0	128.9	8,800	8,800	8,800	8,800	22.6	103.1	7,200	7,200	7,200	7,200							250
230	40	260	21.7	106.0	7,000	7,000	7,000	7,000													260
230	40	270	14.7	74.3	5,200	5,200	5,200	5,200													270





**348 HYLAB 5 - w/ 80" x 95" Heavy Duty Boom, w/ 39" x 48" Tubular Jib, w/ 221.1K+75K Cwt**  
Refer to the Tubular Jib Notes for Heavy Duty Boom in this Crane Rating Manual before operating the crane.

Boom Length (ft)	Jib Length (ft)	Jib Load Radius (ft)	Boom Angle (deg)	Jib Point Height (ft)	5 Degrees					15 Degrees					25 Degrees					Jib Load Radius (ft)				
					Jib Capacity (lbs)			Boom Angle (deg)	Jib Point Height (ft)	Jib Capacity (lbs)			Boom Angle (deg)	Jib Point Height (ft)	Jib Capacity (lbs)									
					Over End Blocked	Extended	Retracted			Over End Blocked	Extended	Retracted			Over End Blocked	Extended	Retracted							
230	60	50.75	82.0	297.8	51,800	51,800	51,800																50.75	
230	60	60	80.2	296.2	50,800	50,800	50,800																	60
230	60	70	78.2	294.1	49,700	49,700	49,700																	70
230	60	80	76.2	291.6	48,600	48,600	48,600																	80
230	60	90	74.1	288.8	47,500	47,500	47,500																	90
230	60	100	72.1	285.5	46,400	46,400	46,400																	100
230	60	110	70.0	281.9	45,400	45,400	45,400																	110
230	60	120	67.9	277.9	44,400	44,400	44,400																	120
230	60	130	65.7	273.4	43,400	43,400	43,400																	130
230	60	140	63.6	268.4	40,600	40,600	37,300																	140
230	60	150	61.3	263.0	37,100	37,100	33,100																	150
230	60	160	59.1	257.0	32,900	32,900	29,500																	160
230	60	170	56.7	250.5	29,100	29,100	26,400																	170
230	60	180	54.3	243.3	25,800	25,800	23,600																	180
230	60	190	51.9	235.5	22,900	22,900	21,100																	190
230	60	200	49.3	227.0	20,200	20,200	18,900																	200
230	60	210	46.6	217.7	17,800	17,800	16,900																	210
230	60	220	43.8	207.4	15,600	15,600	15,100																	220
230	60	230	40.9	196.0	13,600	13,600	13,500																	230
230	60	240	37.7	183.3	11,700	11,700	11,700																	240
230	60	250	34.3	169.0	10,000	10,000	10,000																	250
230	60	260	30.5	152.6	8,400	8,400	7,000																	260
230	60	270	26.3	133.3	6,800	6,800	5,900																	270
230	60	280	21.2	109.5	5,300	5,300	4,900																	280
230	60	290	14.5	76.5	3,700	3,700	3,700																	290





348 HYLAB 5 - w/ 80" x 95" Heavy Duty Boom, w/ 39" x 48" Tubular Jib, w/ 221.1K+75K Cwt  
Refer to the Tubular Jib Notes for Heavy Duty Boom in this Crane Rating Manual before operating the crane.

Jib Angle to Boom

Boom Length (ft)	Jib Length (ft)	Jib Load Radius (ft)	Boom Angle (deg)	Jib Point Height (ft)	5 Degrees						Boom Angle (deg)	Jib Point Height (ft)	15 Degrees						Boom Angle (deg)	Jib Point Height (ft)	25 Degrees						Jib Load Radius (ft)
					Jib Capacity (lbs)			Over End Blocked	Extended	Retracted			Jib Capacity (lbs)			Over End Blocked	Extended	Retracted			Jib Capacity (lbs)			Over End Blocked	Extended	Retracted	
					Curve 1	Curve 2	Curve 5						Curve 31	Curve 32	Curve 33						Curve 1	Curve 2	Curve 5				
230	80	55.25	82.0	317.3	44,300	44,300	44,300	43,900	43,100	43,100	81.7	312.7	41,300	41,300	39,000	80.2	304.0	32,100	32,100	32,100	55.25						
230	80	60	81.1	316.5	43,900	43,900	43,900	43,100	43,100	43,100	79.8	310.4	40,200	38,100	40,200	78.3	300.9	30,500	30,500	30,500	60						
230	80	70	79.3	314.5	43,100	43,100	43,100	42,200	42,200	42,200	77.9	307.7	37,300	37,200	37,200	76.3	297.4	29,000	29,000	29,000	70						
230	80	80	77.4	312.2	42,200	42,200	42,200	41,400	41,400	41,400	77.9	304.7	34,800	34,800	36,500	74.3	293.6	27,700	27,700	27,700	80						
230	80	90	75.5	309.6	41,400	41,400	41,400	40,600	40,600	40,600	76.0	304.7	32,600	32,600	34,300	72.3	293.3	26,400	26,400	26,400	90						
230	80	100	73.6	306.6	38,800	38,800	38,800	38,000	38,000	38,000	74.1	301.3	30,800	30,800	32,400	70.2	284.7	25,300	25,300	25,300	100						
230	80	110	71.6	303.2	37,900	37,900	37,900	37,100	37,100	37,100	72.1	297.5	29,500	29,500	31,100	68.1	288.7	24,300	24,300	24,300	110						
230	80	120	69.7	299.4	37,200	37,200	37,200	36,400	36,400	36,400	70.1	293.3	28,300	28,300	30,000	66.0	283.6	23,400	23,400	23,400	120						
230	80	130	67.7	295.3	36,500	36,500	36,500	35,700	35,700	35,700	68.1	288.7	27,300	27,300	29,000	63.8	267.9	22,600	22,600	22,600	130						
230	80	140	65.7	290.7	35,800	35,800	35,800	35,000	35,000	35,000	66.0	283.6	26,200	26,200	27,900	61.6	261.2	21,800	21,800	21,800	140						
230	80	150	63.7	285.7	35,200	35,200	35,200	34,400	34,400	34,400	63.8	272.1	25,100	25,100	26,800	59.3	254.0	21,100	21,100	20,200	150						
230	80	160	61.6	280.2	33,600	33,600	33,600	32,800	32,800	32,800	61.8	272.1	24,000	24,000	25,700	56.9	246.2	20,500	20,500	18,000	160						
230	80	170	59.4	274.3	29,900	29,900	29,900	29,100	29,100	29,100	59.6	265.6	23,000	23,000	24,700	54.5	237.6	19,900	19,000	16,000	170						
230	80	180	57.3	267.8	26,600	26,600	26,600	25,800	25,800	25,800	57.3	258.5	22,000	22,000	23,700	52.6	242.4	18,300	17,100	14,200	180						
230	80	190	55.0	260.8	23,700	23,700	23,700	22,900	22,900	22,900	55.0	250.8	21,000	21,000	22,700	50.1	233.2	17,400	16,200	13,300	190						
230	80	200	52.7	253.1	21,000	21,000	21,000	20,200	20,200	20,200	52.6	242.4	19,700	19,700	21,400	48.3	228.2	16,400	15,200	12,300	200						
230	80	210	50.3	244.8	18,600	18,600	18,600	17,800	17,800	17,800	50.1	233.2	17,400	17,400	19,100	46.5	226.7	15,500	14,300	11,400	210						
230	80	220	47.9	235.7	16,500	16,500	16,500	15,700	15,700	15,700	47.5	223.2	15,400	15,400	17,100	44.8	212.3	14,500	13,300	10,400	220						
230	80	230	45.3	225.8	14,500	14,500	14,500	13,700	13,700	13,700	44.8	212.3	13,400	13,400	15,100	43.5	194.2	12,200	12,200	9,300	230						
230	80	240	42.6	215.0	12,600	12,600	12,600	11,800	11,800	11,800	41.9	200.1	11,700	11,700	13,400	40.3	180.3	10,500	10,500	7,600	240						
230	80	250	39.8	203.0	10,900	10,900	10,900	10,100	10,100	10,100	38.8	186.6	10,000	10,000	11,700	38.8	171.4	8,400	8,400	5,500	250						
230	80	260	36.7	189.8	9,300	9,300	9,300	8,500	8,500	8,500	35.4	174.8	8,400	8,400	10,100	36.8	164.4	7,200	7,200	4,300	260						
230	80	270	33.4	174.8	7,800	7,800	7,800	7,000	7,000	7,000	31.7	153.9	6,900	6,900	8,600	32.9	146.0	6,000	6,000	3,100	270						
230	80	280	29.8	157.7	6,400	6,400	6,400	5,600	5,600	5,600	27.5	133.2	5,500	5,500	7,200	22.4	107.3	4,000	4,000	1,100	280						
230	80	290	25.7	137.6	5,000	5,000	5,000	4,200	4,200	4,200	22.4	107.3	4,000	4,000	5,700	22.4	107.3	3,000	3,000	100	290						
230	80	300	20.8	112.9	3,700	3,700	3,700	2,900	2,900	2,900	22.4	107.3	4,000	4,000	5,700	22.4	107.3	3,000	3,000	100	300						
230	80	310	14.3	78.6	2,300	2,300	2,300	1,500	1,500	1,500	22.4	107.3	4,000	4,000	5,700	22.4	107.3	3,000	3,000	100	310						





**348 HYLAB 5 - w/ 80" x 95" Heavy Duty Boom, w/ 39" x 48" Tubular Jib, w/ 221.1K+75K Cwt**  
Refer to the Tubular Jib Notes for Heavy Duty Boom in this Crane Rating Manual before operating the crane.

Jib Angle to Boom

Boom Length (ft)	Jib Length (ft)	Jib Load Radius (ft)	Boom Angle (deg)	Jib Point Height (ft)	5 Degrees					Boom Angle (deg)	Jib Point Height (ft)	15 Degrees					Boom Angle (deg)	Jib Point Height (ft)	25 Degrees					Jib Load Radius (ft)
					Jib Capacity (lbs)		Over End Blocked	360°				Jib Capacity (lbs)		Over End Blocked	360°				Jib Capacity (lbs)		Over End Blocked	360°		
					Curve 1	Curve 2		Curve 1	Curve 2			Curve 3	Curve 4		Curve 1	Curve 2			Curve 1	Curve 2				
230	100	59.75	82.0	336.8	35,600	35,600	35,600	35,600	35,600		330.6	32,500	32,500	32,500										59.75
230	100	60	82.0	336.7	35,600	35,600	35,600	35,600	35,600		328.1	31,900	31,900	31,900	31,900									60
230	100	70	80.2	334.9	35,100	35,100	35,100	35,100	35,100		325.2	31,300	31,300	31,300	31,300	31,300								70
230	100	80	78.4	332.7	34,600	34,600	34,600	34,600	34,600		322.1	30,600	30,700	30,600	30,600	30,600								80
230	100	90	76.7	330.3	34,100	34,100	34,100	34,100	34,100		322.1	30,600	30,700	30,600	30,600	30,600								90
230	100	100	74.9	327.5	33,600	33,600	33,600	33,600	33,600		318.5	30,100	28,400	30,100	30,100	30,100								100
230	100	110	73.1	324.3	33,000	33,000	33,000	33,000	33,000		314.6	29,400	28,400	28,400	28,400	28,400								110
230	100	120	71.3	320.8	32,500	32,500	32,500	32,500	32,500		310.3	28,900	26,900	26,900	26,900	26,900								120
230	100	130	69.4	316.9	31,900	31,900	31,900	31,900	31,900		305.7	28,400	26,900	26,900	25,300	25,300								130
230	100	140	67.6	312.7	31,400	31,400	31,400	31,400	31,400		305.7	26,900	26,900	26,900	25,300	25,300								140
230	100	150	65.7	308.0	30,900	30,900	30,900	30,900	30,900		300.6	25,400	25,500	25,500	25,300	25,300								150
230	100	160	63.7	303.0	30,400	30,400	30,400	30,400	30,400		295.8	24,200	24,200	24,200	24,000	24,000								160
230	100	170	61.8	297.5	29,800	29,800	29,800	29,800	29,800		289.0	23,100	22,900	22,900	23,000	23,000								170
230	100	180	59.8	291.6	29,200	29,200	29,200	29,200	29,200		282.6	22,100	21,900	21,900	21,900	21,900								180
230	100	190	57.7	285.1	28,600	28,600	28,600	28,600	28,600		275.5	21,100	20,900	20,900	20,900	20,900								190
230	100	200	55.6	278.2	28,000	28,000	28,000	28,000	28,000		267.9	20,300	20,100	20,100	19,900	19,900								200
230	100	210	53.5	270.6	27,400	27,400	27,400	27,400	27,400		259.7	19,500	19,000	19,000	19,000	16,000								210
230	100	220	51.3	262.5	26,800	26,800	26,800	26,800	26,800		250.8	18,300	17,200	17,200	14,200	14,200								220
230	100	230	49.0	253.7	26,200	26,200	26,200	26,200	26,200		241.1	16,300	15,400	15,400	12,600	12,600								230
230	100	240	46.6	244.1	25,600	25,600	25,600	25,600	25,600		230.6	14,300	13,900	13,900	11,200	11,200								240
230	100	250	44.1	233.7	25,000	25,000	25,000	25,000	25,000		219.0	12,600	12,400	12,400	9,900	9,900								250
230	100	260	41.5	222.4	24,400	24,400	24,400	24,400	24,400		206.3	10,900	10,800	10,800	8,600	8,600								260
230	100	270	38.8	209.8	23,800	23,800	23,800	23,800	23,800		192.2	9,400	9,400	9,400	7,500	7,500								270
230	100	280	35.8	196.0	23,200	23,200	23,200	23,200	23,200		176.3	7,900	7,900	7,900	6,500	6,500								280
230	100	290	32.6	180.4	22,600	22,600	22,600	22,600	22,600		158.0	6,500	6,500	6,500	5,400	5,400								290
230	100	300	29.1	162.6	22,000	22,000	22,000	22,000	22,000		136.4	5,200	5,200	5,200	4,500	4,500								300
230	100	310	25.2	141.8	21,400	21,400	21,400	21,400	21,400		109.4	3,900	3,900	3,900	3,800	3,800								310
230	100	320	20.4	116.1	20,800	20,800	20,800	20,800	20,800			2,600	2,600	2,600	2,600	2,600								320



**348 HYLAB 5 - w/ 80" x 95" Heavy Duty Boom, w/ 39" x 48" Tubular Jib, w/ 221.1K+75K Cwt**  
Refer to the Tubular Jib Notes for Heavy Duty Boom in this Crane Rating Manual before operating the crane.

Boom Length (ft)	Jib Length (ft)	Jib Load Radius (ft)	Boom Angle (deg)	Jib Point Height (ft)	5 Degrees						Boom Angle (deg)	Jib Point Height (ft)	15 Degrees						Boom Angle (deg)	Jib Point Height (ft)	25 Degrees						Jib Load Radius (ft)
					Jib Capacity (lbs)			Jib Capacity (lbs)					Jib Capacity (lbs)			Jib Capacity (lbs)					Jib Capacity (lbs)						
					Over End Blocked		360°	Over End Blocked		360°			Over End Blocked		360°	Over End Blocked		360°			Over End Blocked		360°	Over End Blocked		360°	
					Curve 1	Curve 2		Curve 1	Curve 2				Curve 1	Curve 2		Curve 1	Curve 2				Curve 1	Curve 2		Curve 1	Curve 2		
230	120	64.25	82.0	356.3	30,000	30,000	30,000	29,800	29,800	30,000														64.25			
230	120	70	81.1	355.2	29,800	29,800	29,800	29,500	29,500	29,800														70			
230	120	80	79.4	353.2	29,500	29,500	29,500	29,500	29,500	29,500														80			
230	120	90	77.7	350.9	29,100	29,100	29,100	29,100	29,100	29,100														90			
230	120	100	76.1	348.2	28,700	28,700	28,700	28,700	28,700	28,700														100			
230	120	110	74.4	345.3	28,300	28,300	28,300	28,300	28,300	28,300														110			
230	120	120	72.7	342.0	27,800	27,800	27,800	27,800	27,800	27,800														120			
230	120	130	70.9	338.4	27,400	27,400	27,400	27,400	27,400	27,400														130			
230	120	140	69.2	334.4	27,000	27,000	27,000	27,000	27,000	27,000														140			
230	120	150	67.4	330.1	26,600	26,600	26,600	26,600	26,600	26,600														150			
230	120	160	65.6	325.4	26,200	26,200	26,200	26,200	26,200	26,200														160			
230	120	170	63.8	320.3	25,200	25,200	25,200	25,200	25,200	24,100														170			
230	120	180	62.0	314.8	23,800	23,800	23,800	23,800	21,500	21,500														180			
230	120	190	60.1	308.8	22,500	22,500	22,500	22,500	19,200	19,200														190			
230	120	200	58.1	302.4	21,300	21,300	20,400	17,200	17,200	17,200														200			
230	120	210	56.2	295.6	19,700	19,700	18,400	15,400	15,400	15,400														210			
230	120	220	54.2	288.2	17,600	17,600	16,600	13,700	13,700	13,700														220			
230	120	230	52.1	280.2	15,600	15,600	14,900	12,200	12,200	12,200														230			
230	120	240	49.9	271.6	13,800	13,800	13,400	10,800	10,800	10,800														240			
230	120	250	47.7	262.3	12,100	12,100	12,000	9,500	9,500	9,500														250			
230	120	260	45.4	252.3	10,500	10,500	10,500	8,400	8,400	8,400														260			
230	120	270	43.0	241.3	9,100	9,100	9,100	7,300	7,300	7,300														270			
230	120	280	40.5	229.5	7,700	7,700	7,700	6,300	6,300	6,300														280			
230	120	290	37.8	216.4	6,500	6,500	6,500	5,400	5,400	5,400														290			
230	120	300	35.0	202.0	5,300	5,300	5,300	4,500	4,500	4,500														300			
230	120	310	31.9	185.8	4,100	4,100	4,100	3,700	3,700	3,700														310			
230	120	320	28.5	167.4	3,100	3,100	3,100	2,900	2,900	2,900														320			
230	120	330	24.6	145.8	2,000	2,000	2,000	2,000	2,000	2,000														330			





**348 HYLAB 5 - w/ 80" x 95" Heavy Duty Boom, w/ 39" x 48" Tubular Jib, w/ 221.1K+75K Cwt**  
Refer to the Tubular Jib Notes for Heavy Duty Boom in this Crane Rating Manual before operating the crane.

Boom Length (ft)	Jib Length (ft)	Jib Load Radius (ft)	Boom Angle (deg)	Jib Point Height (ft)	5 Degrees					Boom Angle (deg)	Jib Point Height (ft)	15 Degrees					Boom Angle (deg)	Jib Point Height (ft)	25 Degrees					Jib Load Radius (ft)			
					Jib Capacity (lbs)			Over End Blocked	Extended			Retracted	Jib Capacity (lbs)			Over End Blocked			Extended	Retracted	Jib Capacity (lbs)				Over End Blocked	Extended	Retracted
					Curve 1	Curve 2	Curve 5						Curve 31	Curve 32	Curve 33						Curve 1	Curve 2	Curve 5				
230	140	68.75	82.0	375.8	25,000	25,000	25,000	25,000															68.75				
230	140	70	81.8	375.5	25,000	25,000	25,000	25,000																70			
230	140	80	80.2	373.6	24,700	24,700	24,700	24,700																80			
230	140	90	77.1	371.4	24,400	24,400	24,400	24,400																90			
230	140	100	77.1	368.9	24,000	24,000	24,000	24,000																100			
230	140	110	75.5	366.1	23,700	23,700	23,700	23,700																110			
230	140	120	73.9	363.0	23,400	23,400	23,400	23,400																120			
230	140	130	72.3	359.6	23,100	23,100	23,100	23,100																130			
230	140	140	70.6	355.9	22,800	22,800	22,800	22,800																140			
230	140	150	69.0	351.9	22,500	22,500	22,500	22,500																150			
230	140	160	67.3	347.5	22,200	22,200	22,200	22,200																160			
230	140	170	65.6	342.7	21,000	21,000	21,000	21,000																170			
230	140	180	63.9	337.6	19,800	19,800	19,800	19,800																180			
230	140	190	62.1	332.1	18,700	18,700	18,700	18,700																190			
230	140	200	60.3	326.1	17,700	17,700	17,600	17,500																200			
230	140	210	58.5	319.8	16,700	16,700	16,700	15,700																210			
230	140	220	56.6	313.0	15,900	15,900	15,900	14,000																220			
230	140	230	54.7	305.6	15,100	15,100	15,100	12,500																230			
230	140	240	52.8	297.8	14,100	14,100	13,700	11,100																240			
230	140	250	50.8	289.4	12,500	12,300	9,800	9,800																250			
230	140	260	48.7	280.3	10,900	10,900	8,700	8,700																260			
230	140	270	46.6	270.6	9,500	9,500	7,600	7,600																270			
230	140	280	44.3	260.1	8,200	8,200	6,600	6,600																280			
230	140	290	42.0	248.7	6,900	6,900	5,600	5,600																290			
230	140	300	39.6	236.3	5,700	5,700	4,800	4,800																300			
230	140	310	37.0	222.8	4,600	4,600	4,000	4,000																310			
230	140	320	34.2	207.8	3,600	3,600	3,200	3,200																320			
230	140	330	31.2	191.1	2,600	2,600	2,500	2,500																330			
230	140	340																						340			





**348 HYLAB 5 - w/ 80" x 95" Heavy Duty Boom, w/ 39" x 48" Tubular Jib, w/ 221.1K+75K Cwt**  
Refer to the Tubular Jib Notes for Heavy Duty Boom in this Crane Rating Manual before operating the crane.

**Jib Angle to Boom**

Boom Length (ft)	Jib Length (ft)	Jib Load Radius (ft)	Boom Angle (deg)	Jib Point Height (ft)	5 Degrees					Boom Angle (deg)	Jib Point Height (ft)	15 Degrees					Boom Angle (deg)	Jib Point Height (ft)	25 Degrees					Jib Load Radius (ft)											
					Jib Capacity (lbs)			Over End Blocked	360°			Jib Capacity (lbs)			Over End Blocked	360°			Jib Capacity (lbs)			Over End Blocked	360°												
					Curve 1	Extended	Curve 2		Curve 1			Curve 2	Curve 3	Curve 1		Curve 2			Curve 3	Curve 1	Curve 2		Curve 5												
240	40	47.64	82.0	288.2	54,500	54,500	54,500	54,500																											47.64
240	40	50	81.5	287.9	54,200	54,200	54,200	54,200																										50	
240	40	60	79.5	286.1	52,900	52,900	52,900	52,900																										60	
240	40	70	77.4	283.9	51,600	51,600	51,600	51,600																										70	
240	40	80	75.3	281.3	50,300	50,300	50,300	50,300																										80	
240	40	90	73.2	278.4	49,000	49,000	49,000	49,000																										90	
240	40	100	71.1	275.0	47,800	47,800	47,800	47,800																										100	
240	40	110	68.9	271.2	46,600	46,600	46,600	46,600																										110	
240	40	120	66.7	267.0	45,500	45,500	45,500	45,500																										120	
240	40	130	64.5	262.3	44,100	44,100	40,500	35,600																										130	
240	40	140	62.2	257.1	40,000	40,000	36,100	31,300																										140	
240	40	150	59.9	251.4	35,200	35,200	32,000	27,500																										150	
240	40	160	57.5	245.2	30,900	30,900	28,400	24,300																										160	
240	40	170	55.0	238.3	27,200	27,200	25,300	21,400																										170	
240	40	180	52.5	230.8	23,900	23,900	22,500	18,900																										180	
240	40	190	49.9	222.6	21,000	21,000	20,100	16,700																										190	
240	40	200	47.2	213.5	18,400	18,400	17,900	14,700																										200	
240	40	210	44.3	203.5	15,900	15,900	15,900	12,900																										210	
240	40	220	41.3	192.4	13,700	13,700	13,700	11,300																										220	
240	40	230	38.1	180.1	11,700	11,700	11,700	9,800																										230	
240	40	240	34.6	166.1	9,800	9,800	9,800	8,400																										240	
240	40	250	30.8	150.1	8,100	8,100	8,100	7,200																										250	
240	40	260	26.4	131.2	6,400	6,400	6,400	6,100																										260	
240	40	270	21.3	107.8	4,800	4,800	4,800	4,800																										270	
240	40	280	14.5	75.5	3,100	3,100	3,100	3,100																										280	



**348 HYLAB 5 - w/ 80" x 95" Heavy Duty Boom, w/ 39" x 48" Tubular Jib, w/ 221.1K+75K Cwt**  
Refer to the Tubular Jib Notes for Heavy Duty Boom in this Crane Rating Manual before operating the crane.

Boom Length (ft)	Jib Length (ft)	Jib Load Radius (ft)	Boom Angle (deg)	Jib Point Height (ft)	5 Degrees						Boom Angle (deg)	Jib Point Height (ft)	15 Degrees						Boom Angle (deg)	Jib Point Height (ft)	25 Degrees						Jib Load Radius (ft)			
					Jib Capacity (lbs)			Over End Blocked	360°				Jib Capacity (lbs)			Over End Blocked	360°				Jib Capacity (lbs)			Over End Blocked	360°					
					Curve 1	Extended	Retracted		Curve 31	Extended			Retracted	Curve 32	Extended		Retracted	Curve 33			Curve 1	Extended	Retracted		Curve 2	Extended		Retracted		
																													Curve 1	Curve 2
240	60	52.14	82.0	307.7	47,600	46,700	46,700	47,600	47,600																					52.14
240	60	60	80.5	306.4	46,700	46,700	46,700	46,700	46,700																					60
240	60	70	78.6	304.3	45,600	45,600	45,600	45,600	45,600																					70
240	60	80	76.6	302.0	44,500	44,500	44,500	44,500	44,500																					80
240	60	90	74.7	299.2	43,400	43,400	43,400	43,400	43,400																					90
240	60	100	72.7	296.1	42,300	42,300	42,300	42,300	42,300																					100
240	60	110	70.7	292.6	41,300	41,300	41,300	41,300	41,300																					110
240	60	120	68.7	288.7	38,300	38,300	38,300	38,300	38,300																					120
240	60	130	66.6	284.4	37,400	37,400	37,400	37,400	37,400																					130
240	60	140	64.5	279.6	36,600	36,600	36,600	36,600	36,600																					140
240	60	150	62.4	274.4	35,800	35,800	35,800	35,800	35,800																					150
240	60	160	60.2	268.7	34,900	34,900	34,900	34,900	34,900																					160
240	60	170	58.0	262.5	28,200	28,200	28,200	28,200	28,200																					170
240	60	180	55.7	255.7	24,900	24,900	24,900	24,900	24,900																					180
240	60	190	53.3	248.3	22,000	22,000	22,000	22,000	22,000																					190
240	60	200	50.9	240.2	19,400	19,400	18,600	18,600	18,600																					200
240	60	210	48.4	231.5	17,000	17,000	16,600	16,600	16,600																					210
240	60	220	45.8	221.8	14,800	14,800	14,800	14,800	14,800																					220
240	60	230	43.0	211.3	12,800	12,800	12,800	12,800	12,800																					230
240	60	240	40.1	199.6	10,900	10,900	10,900	10,900	10,900																					240
240	60	250	37.0	186.6	9,200	9,200	9,200	9,200	9,200																					250
240	60	260	33.7	172.0	7,600	7,600	7,600	7,600	7,600																					260
240	60	270	30.0	155.3	6,100	6,100	6,100	6,100	6,100																					270
240	60	280	25.8	135.6	4,600	4,600	4,600	4,600	4,600																					280
240	60	290	20.9	111.3	3,200	3,200	3,200	3,200	3,200																					290



348 HYLAB 5 - w/80" x 95" Heavy Duty Boom, w/39" x 48" Tubular Jib, w/221.1K+75K Cwt  
Refer to the Tubular Jib Notes for Heavy Duty Boom in this Crane Rating Manual before operating the crane.

Boom Length (ft)	Jib Length (ft)	Jib Load Radius (ft)	Boom Angle (deg)	Jib Point Height (ft)	5 Degrees					Boom Angle (deg)	Jib Point Height (ft)	15 Degrees					Boom Angle (deg)	Jib Point Height (ft)	25 Degrees					Jib Load Radius (ft)				
					Jib Capacity (lbs)			Over End Blocked	Curve 1			Jib Capacity (lbs)			Over End Blocked	Curve 31			Curve 32	Curve 33	Jib Capacity (lbs)				Over End Blocked	Curve 1	Curve 2	Curve 5
					360°							360°									360°							
					Extended	Retracted	Curve 5					Extended	Retracted	Curve 5							Extended	Retracted	Curve 5					
240	80	56.64	82.0	327.2	38,600	38,600	38,600	38,600	38,600	38,600	38,600	38,600	38,600	38,600	38,600	38,600	38,600	38,600	38,600	38,600	38,600	38,600	56.64					
240	80	60	81.4	326.6	38,400	38,400	38,400	38,400	38,400	38,400	38,400	38,400	38,400	38,400	38,400	38,400	38,400	38,400	38,400	38,400	38,400	38,400	60					
240	80	70	79.6	324.7	37,700	37,700	37,700	37,700	37,700	37,700	37,700	37,700	37,700	37,700	37,700	37,700	37,700	37,700	37,700	37,700	37,700	37,700	70					
240	80	80	77.8	322.5	37,000	37,000	37,000	37,000	37,000	37,000	37,000	37,000	37,000	37,000	37,000	37,000	37,000	37,000	37,000	37,000	37,000	37,000	37,000	80				
240	80	90	75.9	319.9	36,200	36,200	36,300	36,300	36,300	36,300	36,300	36,300	36,300	36,300	36,300	36,300	36,300	36,300	36,300	36,300	36,300	36,300	36,300	90				
240	80	100	74.1	317.0	35,500	35,500	35,500	35,500	35,500	35,500	35,500	35,500	35,500	35,500	35,500	35,500	35,500	35,500	35,500	35,500	35,500	35,500	35,500	100				
240	80	110	72.2	313.8	34,800	34,800	34,800	34,800	34,800	34,800	34,800	34,800	34,800	34,800	34,800	34,800	34,800	34,800	34,800	34,800	34,800	34,800	34,800	110				
240	80	120	70.4	310.2	34,100	34,100	34,000	34,000	34,100	34,100	34,100	34,100	34,100	34,100	34,100	34,100	34,100	34,100	34,100	34,100	34,100	34,100	34,100	120				
240	80	130	68.4	306.1	33,300	33,300	33,300	33,300	33,300	33,300	33,300	33,300	33,300	33,300	33,300	33,300	33,300	33,300	33,300	33,300	33,300	33,300	33,300	130				
240	80	140	66.5	301.7	32,600	32,600	32,600	32,600	32,600	32,600	32,600	32,600	32,600	32,600	32,600	32,600	32,600	32,600	32,600	32,600	32,600	32,600	32,600	140				
240	80	150	64.5	296.9	31,900	31,900	31,900	31,900	31,900	31,900	31,900	31,900	31,900	31,900	31,900	31,900	31,900	31,900	31,900	31,900	31,900	31,900	31,900	150				
240	80	160	62.5	291.7	31,300	31,300	29,800	29,800	29,800	29,800	29,800	29,800	29,800	29,800	29,800	29,800	29,800	29,800	29,800	29,800	29,800	29,800	29,800	160				
240	80	170	60.5	286.0	29,000	29,000	26,600	26,600	26,600	26,600	26,600	26,600	26,600	26,600	26,600	26,600	26,600	26,600	26,600	26,600	26,600	26,600	26,600	170				
240	80	180	58.4	279.8	25,700	25,700	23,900	23,900	23,900	23,900	23,900	23,900	23,900	23,900	23,900	23,900	23,900	23,900	23,900	23,900	23,900	23,900	23,900	180				
240	80	190	56.3	273.1	22,800	22,800	21,400	21,400	21,400	21,400	21,400	21,400	21,400	21,400	21,400	21,400	21,400	21,400	21,400	21,400	21,400	21,400	21,400	190				
240	80	200	54.1	265.8	20,100	20,100	19,200	19,200	19,200	19,200	19,200	19,200	19,200	19,200	19,200	19,200	19,200	19,200	19,200	19,200	19,200	19,200	19,200	200				
240	80	210	51.8	257.9	17,700	17,700	17,200	17,200	17,200	17,200	17,200	17,200	17,200	17,200	17,200	17,200	17,200	17,200	17,200	17,200	17,200	17,200	17,200	210				
240	80	220	49.5	249.3	15,600	15,600	15,400	15,400	15,400	15,400	15,400	15,400	15,400	15,400	15,400	15,400	15,400	15,400	15,400	15,400	15,400	15,400	15,400	220				
240	80	230	47.1	240.0	13,600	13,600	13,600	13,600	13,600	13,600	13,600	13,600	13,600	13,600	13,600	13,600	13,600	13,600	13,600	13,600	13,600	13,600	13,600	230				
240	80	240	44.5	229.9	11,800	11,800	11,800	11,800	11,800	11,800	11,800	11,800	11,800	11,800	11,800	11,800	11,800	11,800	11,800	11,800	11,800	11,800	11,800	240				
240	80	250	41.9	218.7	10,100	10,100	10,100	10,100	10,100	10,100	10,100	10,100	10,100	10,100	10,100	10,100	10,100	10,100	10,100	10,100	10,100	10,100	10,100	250				
240	80	260	39.1	206.5	8,500	8,500	8,500	8,500	8,500	8,500	8,500	8,500	8,500	8,500	8,500	8,500	8,500	8,500	8,500	8,500	8,500	8,500	8,500	260				
240	80	270	36.1	192.9	7,000	7,000	7,000	7,000	7,000	7,000	7,000	7,000	7,000	7,000	7,000	7,000	7,000	7,000	7,000	7,000	7,000	7,000	7,000	270				
240	80	280	32.9	177.7	5,700	5,700	5,700	5,700	5,700	5,700	5,700	5,700	5,700	5,700	5,700	5,700	5,700	5,700	5,700	5,700	5,700	5,700	5,700	280				
240	80	290	29.3	160.2	4,300	4,300	4,300	4,300	4,300	4,300	4,300	4,300	4,300	4,300	4,300	4,300	4,300	4,300	4,300	4,300	4,300	4,300	4,300	290				
240	80	300	25.3	139.8	3,100	3,100	3,100	3,100	3,100	3,100	3,100	3,100	3,100	3,100	3,100	3,100	3,100	3,100	3,100	3,100	3,100	3,100	3,100	300				





**348 HYLAB 5 - w/ 80" x 95" Heavy Duty Boom, w/ 39" x 48" Tubular Jib, w/ 221.1K+75K Cwt**  
Refer to the Tubular Jib Notes for Heavy Duty Boom in this Crane Rating Manual before operating the crane.

Boom Length (ft)	Jib Length (ft)	Jib Load Radius (ft)	Boom Angle (deg)	Jib Point Height (ft)	5 Degrees					Boom Angle (deg)	Jib Point Height (ft)	15 Degrees					Boom Angle (deg)	Jib Point Height (ft)	25 Degrees					Jib Load Radius (ft)			
					Jib Capacity (lbs)			Over End Blocked	Extended			Retracted	Jib Capacity (lbs)			Over End Blocked			Extended	Retracted	Jib Capacity (lbs)				Over End Blocked	Extended	Retracted
					Curve 1	Curve 2	Curve 5						Curve 31	Curve 32	Curve 33						Curve 1	Curve 2	Curve 5				
240	100	61.14	82.0	346.7	33,300	32,800	32,800	32,800		81.6	340.8	30,500	30,500	30,500									61.14				
240	100	70	80.5	345.1	32,800	32,800	32,800	32,800		81.6	340.8	30,500	30,500	30,500									70				
240	100	80	78.8	343.0	32,300	32,300	32,300	32,300		79.9	338.4	29,800	29,800	29,800									80				
240	100	90	75.3	340.6	31,700	31,700	31,700	31,700		78.1	336.6	29,200	29,200	29,200									90				
240	100	100	73.6	337.9	31,100	31,100	31,100	31,100		76.4	332.6	28,500	28,500	28,500									100				
240	100	110	71.8	334.4	30,500	30,500	30,500	30,500		74.6	329.1	27,900	27,900	27,900									110				
240	100	120	70.1	327.7	29,400	29,400	29,400	29,400		72.8	325.4	27,400	27,400	27,400									120				
240	100	130	68.2	323.6	28,800	28,800	28,800	28,800		71.0	321.2	26,800	26,800	26,800									130				
240	100	140	66.4	319.1	28,200	28,300	28,300	28,200		69.1	316.7	25,900	25,900	25,900									140				
240	100	150	64.6	314.2	27,700	27,700	27,700	26,100		67.3	311.8	24,700	24,700	24,700									150				
240	100	160	62.7	309.0	27,200	27,200	27,100	23,300		65.4	306.5	23,500	23,500	23,500									160				
240	100	170	60.8	303.2	26,300	26,300	24,300	20,700		63.4	300.7	22,500	22,500	22,500									170				
240	100	180	58.8	297.1	23,400	23,400	21,900	18,500		61.5	294.5	21,500	21,500	21,500									180				
240	100	190	56.8	290.4	20,700	19,600	17,600	16,400		59.4	287.8	20,700	20,700	17,600									190				
240	100	200	54.7	283.2	18,400	17,700	16,400	14,800		57.4	280.5	19,800	18,700	15,700									200				
240	100	210	52.6	275.5	16,200	15,800	15,800	14,600		55.2	272.7	17,500	16,800	14,000									210				
240	100	220	50.4	267.1	14,200	14,200	14,200	11,500		53.0	264.2	15,500	15,100	12,400									220				
240	100	230	48.2	258.1	12,400	12,400	12,400	10,100		50.7	255.1	13,500	13,500	10,900									230				
240	100	240	45.9	248.3	10,700	10,700	10,700	8,900		48.4	245.2	11,800	11,800	9,600									240				
240	100	250	43.4	237.6	9,200	9,200	9,200	7,700		45.9	234.4	10,100	10,100	8,400									250				
240	100	260	40.9	226.0	7,700	7,700	7,700	6,600		43.3	222.5	8,600	8,600	7,200									260				
240	100	270	38.1	213.2	6,400	6,400	6,400	5,600		40.5	209.6	7,200	7,200	6,200									270				
240	100	280	35.2	199.0	5,100	5,100	5,100	4,700		37.6	195.1	5,800	5,800	5,200									280				
240	100	290	32.1	183.2	3,900	3,900	3,900	3,900		34.4	178.9	4,500	4,500	4,300									290				
240	100	300	28.7	165.1	2,700	2,700	2,700	2,700		30.9	160.3	3,300	3,300	3,300									300				
240	100	310																					310				

Link-Belt Construction Equipment Company  
348HYLAB5





**348 HYLAB 5 - w/ 80" x 95" Heavy Duty Boom, w/ 39" x 48" Tubular Jib, w/ 221.1K+75K Cwt**  
Refer to the Tubular Jib Notes for Heavy Duty Boom in this Crane Rating Manual before operating the crane.

Boom Length (ft)	Jib Length (ft)	Jib Load Radius (ft)	Boom Angle (deg)	Jib Point Height (ft)	5 Degrees					15 Degrees					25 Degrees					Jib Load Radius (ft)
					Jib Capacity (lbs)			Boom Angle (deg)	Jib Point Height (ft)	Jib Capacity (lbs)			Boom Angle (deg)	Jib Point Height (ft)	Jib Capacity (lbs)					
					Over End Blocked	Extended	Retracted			Over End Blocked	Extended	Retracted			Over End Blocked	Extended	Retracted			
240	120	65.64	82.0	366.2	28,300	28,300	28,300	81.3	358.7	25,300	25,300	25,300	81.0	348.1	18,200	18,200	18,200	65.64		
240	120	70	81.3	365.4	28,200	28,200	28,200	78.0	353.2	24,400	24,400	24,400	79.3	344.8	17,300	17,300	17,300	70		
240	120	80	79.7	363.4	27,700	27,700	27,700	76.3	350.0	23,900	23,900	23,900	77.6	341.2	16,400	16,400	16,500	80		
240	120	90	78.1	361.2	27,300	27,300	27,300	74.6	346.4	23,400	23,400	23,400	75.9	337.3	15,700	15,700	15,700	90		
240	120	100	76.4	358.6	26,900	26,900	26,900	72.9	342.6	22,100	22,100	22,100	74.1	333.0	15,000	15,000	15,000	100		
240	120	110	74.8	355.7	26,400	26,400	26,400	71.2	338.3	20,900	20,900	20,900	72.3	328.4	14,300	14,300	14,300	110		
240	120	120	73.2	352.5	26,000	26,000	26,000	69.5	333.8	19,900	19,900	19,900	70.5	323.3	13,800	13,800	13,800	120		
240	120	130	71.5	349.0	25,500	25,500	25,500	68.7	328.8	18,900	18,900	18,900	68.7	317.9	13,200	13,200	13,200	130		
240	120	140	69.8	345.2	25,100	25,100	25,100	67.7	323.4	18,000	18,000	18,000	67.5	312.0	12,700	12,700	12,700	140		
240	120	150	68.1	341.0	24,600	24,600	24,600	66.8	317.7	17,200	17,200	17,200	66.8	312.0	12,200	12,200	12,200	150		
240	120	160	66.3	336.5	24,200	24,200	24,200	64.0	311.5	16,500	16,500	16,500	64.9	305.7	11,800	11,800	11,800	160		
240	120	170	64.6	331.5	23,800	23,800	23,800	62.2	304.8	15,800	15,800	15,800	63.0	298.9	11,400	11,400	11,400	170		
240	120	180	62.8	326.2	23,400	23,400	23,400	60.3	297.6	15,200	15,200	15,200	61.0	291.5	11,000	11,000	11,000	180		
240	120	190	61.0	320.5	22,900	22,900	22,900	58.3	289.9	14,600	14,600	14,600	58.9	283.7	10,600	10,600	10,600	190		
240	120	200	59.1	314.4	21,200	20,000	16,800	56.3	281.6	14,000	14,000	11,500	56.8	275.2	10,200	10,400	10,400	200		
240	120	210	57.2	307.8	18,800	18,000	15,000	54.2	272.7	12,500	12,500	10,100	54.6	266.0	10,400	10,400	10,400	210		
240	120	220	55.3	300.7	16,700	16,200	13,300	52.1	263.1	10,900	10,900	8,900	52.4	256.1	10,100	10,100	9,700	220		
240	120	230	53.3	293.0	14,600	14,600	11,800	49.9	252.6	9,400	9,400	7,800	50.0	245.4	9,800	9,800	9,400	230		
240	120	240	51.3	284.8	12,900	12,900	10,500	47.6	241.3	8,000	8,000	6,700	47.5	233.7	8,800	8,800	8,400	240		
240	120	250	49.2	276.0	11,200	11,200	9,200	45.2	229.0	6,600	6,600	5,700	44.9	220.9	7,400	7,400	7,300	250		
240	120	260	47.0	266.5	9,700	9,700	8,000	42.7	215.4	5,400	5,400	4,800	42.1	206.8	6,000	6,000	6,300	260		
240	120	270	44.7	256.2	8,300	8,300	7,000	40.0	200.4	4,200	4,200	3,900	39.1	191.1	4,800	4,800	5,300	270		
240	120	280	42.4	245.1	6,900	6,900	6,000	37.1	183.5	3,000	3,000	3,000	35.8	173.3	3,500	3,500	4,300	280		
240	120	290	39.9	232.9	5,700	5,700	5,000	34.0					32.1		2,300	2,300	2,300	290		
240	120	300	37.3	219.6	4,500	4,500	4,200											300		
240	120	310	34.5	204.9	3,400	3,400	3,400											310		
240	120	320	31.4	188.5	2,300	2,300	2,300											320		
240	120	330																330		





**348 HYLAB 5 - w/80" x 95" Heavy Duty Boom, w/39" x 48" Tubular Jib, w/221.1K+75K Cwt**  
**Refer to the Tubular Jib Notes for Heavy Duty Boom in this Crane Rating Manual before operating the crane.**

**Jib Angle to Boom**

Boom Length (ft)	Jib Length (ft)	Jib Load Radius (ft)	Boom Angle (deg)	5 Degrees						15 Degrees						25 Degrees						Jib Load Radius (ft)
				Jib Point Height (ft)	Jib Capacity (lbs)			Boom Angle (deg)	Jib Point Height (ft)	Jib Capacity (lbs)			Boom Angle (deg)	Jib Point Height (ft)	Jib Capacity (lbs)							
					Over End Blocked	Extended	Retracted			Over End Blocked	Extended	Retracted			Over End Blocked	Extended	Retracted					
240	140	70.14	82.0	385.7	23,800	23,800	23,800														70.14	
240	140	80	80.5	383.8	23,500	23,500	23,500														80	
240	140	90	79.0	381.7	23,100	23,100	23,100														90	
240	140	100	77.4	379.3	22,800	22,800	22,800														100	
240	140	110	75.9	376.5	22,500	22,500	22,500														110	
240	140	120	74.3	373.5	22,100	22,100	22,100														120	
240	140	130	72.7	370.2	21,800	21,800	21,800														130	
240	140	140	71.2	366.6	21,400	21,400	21,400														140	
240	140	150	69.5	363.7	21,000	21,000	21,000														150	
240	140	160	67.9	358.4	20,800	20,800	20,800														160	
240	140	170	66.3	353.9	20,400	20,400	20,400														170	
240	140	180	64.6	348.9	20,100	20,100	20,100														180	
240	140	190	62.9	343.5	19,100	19,100	19,100														190	
240	140	200	61.2	337.8	18,100	18,100	17,100														200	
240	140	210	59.4	331.7	17,200	17,200	15,300														210	
240	140	220	57.6	325.1	16,300	16,300	13,600														220	
240	140	230	55.8	318.1	15,100	14,800	12,100														230	
240	140	240	53.9	310.6	13,300	13,300	10,700														240	
240	140	250	52.0	302.5	11,600	11,600	9,500														250	
240	140	260	50.1	293.9	10,100	10,100	8,300														260	
240	140	270	48.0	284.6	8,700	8,700	7,200														270	
240	140	280	45.9	274.7	7,300	7,300	6,200														280	
240	140	290	43.7	264.0	6,100	6,100	5,300														290	
240	140	300	41.4	252.3	4,900	4,900	4,400														300	
240	140	310	39.0	239.7	3,800	3,800	3,600														310	
240	140	320	36.5	225.9	2,800	2,800	2,800														320	

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348 HYLAB 5 - w/ 80" x 95" Heavy Duty & 68" x 80" Long Range Boom, w/ 39" x 48" Tubular Jib, w/ 221.1K+75K Cwt  
Refer to the Tubular Jib Notes for Long Range Boom in this Crane Rating Manual before operating the crane.

Boom Length (ft)	Jib Length (ft)	Jib Load Radius (ft)	5 Degrees			15 Degrees			25 Degrees			Jib Load Radius (ft)						
			Boom Angle (deg)	Jib Point Height (ft)	Jib Capacity (lbs)			Boom Angle (deg)	Jib Point Height (ft)	Jib Capacity (lbs)								
					Over End Blocked	Extended	Retracted			Over End Blocked	Extended		Retracted					
85	40	26.07	82.0	134.7	100,000	100,000	100,000	80.9	132.0	69,300	69,300	69,300	81.5	129.0	42,400	42,400	42,400	26.07
85	40	30	80.2	134.0	98,000	98,000	98,000	78.6	130.7	69,300	69,300	69,300	79.1	127.4	42,400	42,400	42,400	30
85	40	35	77.9	132.9	89,000	89,000	89,000	76.3	129.2	65,300	65,300	65,300	76.7	125.6	42,400	42,400	42,400	35
85	40	40	75.6	131.6	81,600	81,600	81,600	73.9	127.4	61,300	61,300	61,300	74.2	123.6	42,400	42,400	42,400	40
85	40	45	73.3	130.0	75,900	75,900	75,900	71.5	125.4	57,700	57,700	57,700	71.7	121.2	42,400	42,400	42,400	45
85	40	50	70.9	128.3	70,500	70,500	70,500	69.0	123.1	54,600	54,600	54,600	69.1	118.7	42,400	42,400	42,400	50
85	40	55	68.5	126.3	65,800	65,800	65,800	66.5	120.6	51,800	51,800	51,800	66.5	115.8	42,400	42,400	42,400	55
85	40	60	66.1	124.0	61,700	61,700	61,700	64.2	117.7	49,300	49,300	49,300	64.2	112.6	42,400	42,400	42,400	60
85	40	65	63.6	121.5	58,100	58,100	58,100	61.2	114.6	47,100	47,100	47,100	61.0	109.1	41,400	41,400	41,400	65
85	40	70	61.0	118.7	54,900	54,900	54,900	58.5	111.1	45,000	45,000	45,000	58.1	105.1	40,100	40,100	40,100	70
85	40	75	58.4	115.6	52,100	52,100	52,100	55.7	107.3	43,200	43,200	43,200	55.1	100.8	38,800	38,800	38,800	75
85	40	80	55.7	112.2	49,500	49,500	49,500	52.7	103.0	41,500	41,500	41,500	52.7	97.4	36,400	36,400	36,400	80
85	40	85	52.9	108.4	47,200	47,200	47,200	50.0	100.3	39,900	39,900	39,900	50.0	94.8	34,500	34,500	34,500	85
85	40	90	50.0	104.1	45,100	45,100	45,100	46.4	96.4	38,400	38,400	38,400	46.4	91.4	33,100	33,100	33,100	90
85	40	100	43.7	94.2	41,500	41,500	41,500	39.1	82.8	36,400	36,400	36,400	39.1	77.2	34,500	34,500	34,500	100
85	40	110	36.5	81.7	38,800	38,800	38,800	30.0	80.2	34,300	34,300	34,300	30.0	72.2	34,500	34,500	34,500	110
85	40	120	27.7	64.7	36,100	36,100	36,100	15.6	62.3	32,900	32,900	32,900	15.6	58.8	33,100	33,100	33,100	120
85	40	130	14.3	36.4	34,000	34,000	34,000		32.3									130
85	60	30.57	82.0	154.2	73,100	73,100	73,100											30.57
85	60	35	80.3	153.4	71,400	71,400	71,400	80.2	149.8	46,200	46,200	46,200	81.9	146.0	28,200	28,200	28,200	35
85	60	40	78.3	152.2	67,700	67,700	67,700	78.2	148.3	46,200	46,200	46,200	79.8	144.3	28,200	28,200	28,200	40
85	60	45	76.3	150.9	62,500	62,500	62,500	76.1	146.6	44,300	44,300	44,300	77.7	142.3	28,200	28,200	28,200	45
85	60	50	74.3	149.4	58,000	58,000	58,000	74.0	144.6	42,000	42,000	42,000	75.5	140.1	28,200	28,200	28,200	50
85	60	55	72.2	147.7	54,200	54,200	54,200	71.9	142.5	40,400	40,400	40,400	73.3	137.7	28,200	28,200	28,200	55
85	60	60	70.2	145.8	50,800	50,800	50,800	70.2	140.2	38,500	38,500	38,500	71.1	135.1	28,200	28,200	28,200	60
85	60	65	68.1	143.7	47,700	47,700	47,700	69.8	137.6	36,800	36,800	36,800	68.8	132.2	28,200	28,200	28,200	65
85	60	70	65.9	141.4	45,100	45,100	45,100	67.6	134.7	35,200	35,200	35,200	66.5	129.0	28,200	28,200	28,200	70
85	60	75	63.8	138.8	42,700	42,700	42,700	65.3	131.6	33,800	33,800	33,800	64.1	125.6	28,200	28,200	28,200	75
85	60	80	61.5	136.0	40,600	40,600	40,600	63.0	128.2	31,200	31,200	31,200	62.8	122.0	28,200	28,200	28,200	80
85	60	85	59.3	132.9	38,100	38,100	38,100	60.7	125.1	29,100	29,100	29,100	59.0	117.6	28,200	28,200	28,200	85
85	60	90	57.0	129.6	37,300	37,300	37,300	58.8	122.5	27,300	27,300	27,300	56.3	114.1	27,100	27,100	27,100	90
85	60	100	52.1	121.9	34,200	34,200	34,200	55.8	111.1	25,700	25,700	25,700	54.4	108.0	25,600	25,600	25,600	100
85	60	110	46.8	112.7	31,500	31,500	31,500	50.4	99.8	24,400	24,400	24,400	51.4	104.4	24,400	24,400	24,400	110
85	60	120	41.1	101.6	29,300	29,300	29,300	47.8	98.6	23,500	23,500	23,500	47.5	101.4	23,500	23,500	23,500	120
85	60	130	34.4	87.7	27,300	27,300	27,300	44.6	96.4	23,500	23,500	23,500	44.4	98.7	23,500	23,500	23,500	130
85	60	140	26.3	69.1	25,600	25,600	25,600	37.8	86.4	23,500	23,500	23,500	37.8	91.4	24,400	24,400	24,400	140
85	60	150	13.8	38.4	24,200	24,200	24,200	15.6	82.5	23,500	23,500	23,500	15.6	80.7	23,500	23,500	23,500	150

348 HYLAB 5 - w/ 80" x 95" Heavy Duty & 68" x 80" Long Range Boom, w/ 39" x 48" Tubular Jib, w/ 221.1K+75K Cwt  
Refer to the Tubular Jib Notes for Long Range Boom in this Crane Rating Manual before operating the crane.

Boom Length (ft)	Jib Length (ft)	Jib Load Radius (ft)	5 Degrees			15 Degrees			25 Degrees			Jib Load Radius (ft)	
			Boom Angle (deg)	Jib Point Height (ft)	Jib Capacity (lbs)			Boom Angle (deg)	Jib Point Height (ft)	Jib Capacity (lbs)			
					Over End Blocked	Extended	Retracted			Over End Blocked	Extended		Retracted
85	80	35.07	82.0	173.7	57,700	57,700	57,700	81.4	168.9	34,600	34,600	34,600	35.07
85	80	40	80.3	172.7	56,300	56,300	56,300	79.6	167.4	34,600	34,600	34,600	40
85	80	45	78.5	171.6	53,400	53,400	53,400	77.8	165.8	34,600	34,600	34,600	45
85	80	50	76.8	170.3	49,700	49,700	49,700	76.0	163.9	34,600	34,600	34,600	50
85	80	55	75.0	168.8	46,400	46,400	46,400	74.1	161.9	34,400	34,400	34,400	55
85	80	60	73.2	167.1	43,500	43,500	43,500	72.3	159.7	32,800	32,800	32,800	60
85	80	65	71.4	165.3	41,000	41,000	41,000	70.4	157.3	31,300	31,300	31,300	65
85	80	70	69.6	163.3	39,200	39,200	39,200	68.4	154.6	29,900	29,900	29,900	70
85	80	75	67.7	161.1	37,100	37,100	37,100	66.4	151.8	28,700	28,700	28,700	75
85	80	80	65.8	158.7	35,200	35,200	35,200	64.4	148.8	26,500	26,500	26,500	80
85	80	85	63.9	156.1	33,500	33,500	33,500	62.4	145.4	24,600	24,600	24,600	85
85	80	90	62.0	153.3	32,000	32,000	32,000	60.2	142.3	22,900	22,900	22,900	90
85	80	100	57.9	146.9	29,200	29,200	29,200	58.1	137.9	20,300	20,300	20,300	100
85	80	110	53.7	139.5	26,900	26,900	26,900	55.5	129.1	18,300	18,300	18,300	110
85	80	120	49.2	130.8	24,900	24,900	24,900	52.3	125.5	17,600	17,600	17,600	120
85	80	130	44.3	120.6	23,200	23,200	23,200	46.6	114.8	16,400	16,400	16,400	130
85	80	140	38.9	108.4	21,700	21,700	21,700	39.9	106.2	15,500	15,500	15,500	140
85	80	150	32.7	93.2	20,400	20,400	20,400	31.2	90.7	14,700	14,700	14,700	150
85	80	160	25.1	73.2	19,200	19,200	19,200		62.6	14,100	14,100	14,100	160
85	80	170	13.4	40.3	18,200	18,200	18,200			13,600	13,600	13,600	170
85	100	39.57	82.0	193.2	46,500	46,500	46,500	80.8	186.7	27,700	27,700	27,700	39.57
85	100	40	81.9	193.1	46,400	46,400	46,400	79.2	185.0	27,700	27,700	27,700	40
85	100	45	80.3	192.1	45,300	45,300	45,300	77.5	183.3	27,700	27,700	27,700	45
85	100	50	78.8	190.9	43,400	43,400	43,400	75.9	181.3	27,700	27,700	27,700	50
85	100	55	77.2	189.6	40,600	40,600	40,600	74.2	179.2	27,400	27,400	27,400	55
85	100	60	75.6	188.2	38,800	38,800	38,800	72.5	176.9	26,200	26,200	26,200	60
85	100	65	74.0	186.5	36,500	36,500	36,500	70.8	174.4	25,000	25,000	25,000	65
85	100	70	72.4	184.8	34,500	34,500	34,500	69.1	172.4	23,100	23,100	23,100	70
85	100	75	70.8	182.9	32,700	32,700	32,700	67.3	168.9	23,100	23,100	23,100	75
85	100	80	69.1	180.8	31,000	31,000	31,000	65.7	165.6	21,400	21,400	21,400	80
85	100	85	67.4	178.5	29,500	29,500	29,500	64.5	162.6	19,900	19,900	19,900	85
85	100	90	65.7	176.0	28,100	28,100	28,100	63.7	159.1	18,600	18,600	18,600	90
85	100	100	62.3	170.6	25,700	25,700	25,700	60.4	151.6	17,400	17,400	17,400	100
85	100	110	58.7	164.3	23,600	23,600	23,600	56.0	143.0	16,200	16,200	16,200	110
85	100	120	54.9	157.1	21,800	21,800	21,800	51.2	137.1	15,300	15,300	15,300	120
85	100	130	51.0	148.8	20,200	20,200	20,200	45.8	125.7	14,700	14,700	14,700	130
85	100	140	46.8	139.2	18,900	18,900	18,900	39.4	112.2	14,000	14,000	14,000	140
85	100	150	42.2	128.0	17,600	17,600	17,600	31.1	96.4	13,600	13,600	13,600	150
85	100	160	37.1	114.7	16,600	16,600	16,600			13,600	13,600	13,600	160
85	100	170	31.3	98.5	15,600	15,600	15,600			13,600	13,600	13,600	170
85	100	180	24.1	77.1	14,800	14,800	14,800			13,600	13,600	13,600	180
85	100	190	13.0	42.0	14,100	14,100	14,100			13,600	13,600	13,600	190

348 HYLAB 5 - w/ 80" x 95" Heavy Duty & 68" x 80" Long Range Boom, w/ 39" x 48" Tubular Jib, w/ 221.1K+75K Cwt  
Refer to the Tubular Jib Notes for Long Range Boom in this Crane Rating Manual before operating the crane.

Boom Length (ft)	Jib Length (ft)	Jib Load Radius (ft)	5 Degrees			15 Degrees			25 Degrees			Jib Load Radius (ft)	
			Boom Angle (deg)	Jib Point Height (ft)	Jib Capacity (lbs)			Boom Angle (deg)	Jib Point Height (ft)	Jib Capacity (lbs)			
					Over End Blocked	Extended	Retracted			Over End Blocked	Extended		Retracted
85	120	44.07	82.0	212.7	36,400	36,400	36,400	81.7	205.9	23,100	23,100	23,100	44.07
85	120	45	81.7	212.5	36,200	36,200	36,200	80.2	204.3	23,100	23,100	23,100	45
85	120	50	80.3	211.5	35,500	35,500	35,500	78.8	202.6	23,100	23,100	23,100	50
85	120	55	78.9	210.3	34,700	34,700	34,700	77.3	200.7	23,100	23,100	23,100	55
85	120	60	77.5	209.0	34,000	34,000	34,000	75.8	198.7	23,100	23,100	23,100	60
85	120	65	76.1	207.5	32,400	32,500	32,500	74.3	196.5	22,200	22,200	22,200	65
85	120	70	74.6	205.9	30,700	30,700	30,700	73.3	194.6	20,400	20,400	20,400	70
85	120	75	73.2	204.2	29,100	29,100	29,100	71.7	192.7	19,800	19,800	19,800	75
85	120	80	71.7	202.4	27,600	27,600	27,600	70.2	190.7	19,800	19,800	19,800	80
85	120	85	70.2	200.4	26,300	26,300	26,300	68.7	188.5	19,800	19,800	19,800	85
85	120	90	68.7	198.2	25,000	25,000	25,000	67.5	186.5	19,800	19,800	19,800	90
85	120	100	65.7	193.4	22,800	22,800	22,800	64.8	181.6	18,900	18,900	18,900	100
85	120	110	62.5	187.9	21,000	21,000	21,000	61.4	176.1	17,500	17,500	17,500	110
85	120	120	59.3	181.6	19,300	19,300	19,300	57.8	164.5	15,200	15,200	15,200	120
85	120	130	55.9	174.6	17,900	17,900	17,900	54.0	155.3	14,300	14,300	14,300	130
85	120	140	52.4	166.6	16,600	16,600	16,600	50.2	147.7	12,700	12,700	12,700	140
85	120	150	48.7	157.4	15,500	15,500	15,500	45.1	132.4	11,300	11,300	11,300	150
85	120	160	44.7	147.0	14,500	14,500	14,500	40.7	117.8	10,000	10,000	10,000	160
85	120	170	40.4	135.0	13,700	13,600	13,600	39.0	111.9	9,300	9,300	9,300	170
85	120	180	35.6	120.7	12,900	12,900	12,900	31.0	92.8	8,400	8,400	8,400	180
85	120	190	30.1	103.4	12,100	12,100	12,100	27.9	76.2	7,600	7,600	7,600	190
85	120	200	23.3	80.7	11,500	11,500	11,500	15.6	33.1	6,600	6,600	6,600	200
85	120	210	12.7	43.7	11,000	11,000	11,000			6,000	6,000	6,000	210
85	140	48.57	82.0	232.2	28,600	28,600	28,600	81.1	223.6	19,800	19,800	19,800	48.57
85	140	50	81.6	231.9	28,500	28,500	28,500	79.8	221.9	19,800	19,800	19,800	50
85	140	55	80.4	230.8	28,300	28,300	28,300	78.5	220.1	19,800	19,800	19,800	55
85	140	60	79.1	229.6	28,100	28,100	28,100	77.1	218.1	19,800	19,800	19,800	60
85	140	65	77.8	228.3	27,900	27,800	27,800	74.4	213.8	18,200	18,200	18,200	65
85	140	70	76.5	226.9	27,400	27,400	27,400	71.5	208.8	16,800	16,800	16,800	70
85	140	75	75.1	225.3	26,000	26,000	26,000	68.6	203.3	15,600	15,600	15,600	75
85	140	80	73.8	223.7	24,700	24,700	24,700	65.7	197.0	14,500	14,500	14,500	80
85	140	85	72.5	221.8	23,600	23,600	23,600	62.6	190.0	13,500	13,500	13,500	85
85	140	90	71.1	219.9	22,500	22,500	22,500	59.3	182.1	12,600	12,600	12,600	90
85	140	100	68.4	215.6	20,500	20,500	20,500	56.0	173.2	11,800	11,800	11,800	100
85	140	110	65.6	210.7	18,800	18,800	18,800	52.4	163.2	11,100	11,100	11,100	110
85	140	120	62.7	205.2	17,300	17,300	17,300	48.6	151.8	10,400	10,400	10,400	120
85	140	130	59.8	199.0	16,000	16,000	16,000	44.4	138.7	9,800	9,800	9,800	130
85	140	140	58.7	192.0	14,800	14,800	14,800	40.7	123.2	9,300	9,300	9,300	140
85	140	150	56.2	184.3	13,800	13,800	13,800	39.7	104.3	8,800	8,800	8,800	150
85	140	160	53.6	175.5	12,900	12,900	12,900	37.5	91.6	8,400	8,400	8,400	160
85	140	170	50.2	165.6	12,000	12,000	12,000	35.3	79.1	8,000	8,000	8,000	170
85	140	180	46.7	154.4	11,300	11,300	11,300	33.3	67.8	7,600	7,600	7,600	180
85	140	190	42.9	141.5	10,600	10,600	10,600			7,200	7,200	7,200	190
85	140	200	38.8	126.4	10,000	10,000	10,000			6,800	6,800	6,800	200
85	140	210	34.3	108.1	9,400	9,400	9,400			6,400	6,400	6,400	210
85	140	220	29.0	84.2	8,900	8,900	8,900			6,000	6,000	6,000	220
85	140	230	22.5	45.3	8,500	8,500	8,500			5,600	5,600	5,600	230
85	140	240	12.4										240



348 HYLAB 5 - w/ 80" x 95" Heavy Duty & 68" x 80" Long Range Boom, w/ 39" x 48" Tubular Jib, w/ 221.1K+75K Cwt  
Refer to the Tubular Jib Notes for Long Range Boom in this Crane Rating Manual before operating the crane.

Boom Length (ft)	Jib Length (ft)	Jib Load Radius (ft)	Boom Angle (deg)	Jib Point Height (ft)	5 Degrees			15 Degrees			25 Degrees			Jib Load Radius (ft)		
					Jib Capacity (lbs)			Jib Capacity (lbs)			Jib Capacity (lbs)					
					Over End Blocked	Extended	Retracted	Over End Blocked	Extended	Retracted	Over End Blocked	Extended	Retracted			
105	40	28.96	82.0	154.5	98,100	98,100	98,100	68,700	68,700	68,700	80.6	148.2	42,400	42,400	42,400	28.96
105	40	30	81.6	154.3	97,500	97,500	97,500	64,400	64,400	64,400	78.6	146.7	42,400	42,400	42,400	30
105	40	35	79.6	153.4	88,900	88,900	88,900	60,500	60,500	60,500	76.5	145.0	42,400	42,400	42,400	35
105	40	40	77.6	152.3	81,700	81,700	81,700	57,100	57,100	57,100	74.1	143.0	42,400	42,400	42,400	40
105	40	45	75.6	150.9	76,400	76,400	76,400	54,100	54,100	54,100	72.2	140.8	42,400	42,400	42,400	45
105	40	50	73.6	149.4	71,000	71,000	71,000	51,400	51,400	51,400	70.1	138.4	42,400	42,400	42,400	50
105	40	55	71.6	147.7	66,300	66,300	66,300	48,900	48,900	48,900	67.8	135.8	42,100	42,100	42,100	55
105	40	60	69.5	145.8	62,300	62,300	62,300	46,700	46,700	46,700	65.6	132.9	40,500	40,500	40,500	60
105	40	65	67.4	143.7	58,600	58,600	58,600	44,900	44,900	44,900	63.3	129.8	39,500	39,500	39,500	65
105	40	70	65.3	141.4	55,400	55,400	55,400	42,900	42,900	42,900	60.9	126.3	38,200	38,200	38,200	70
105	40	75	63.1	138.8	52,500	52,500	52,500	41,200	41,200	41,200	58.9	118.4	35,800	35,800	35,800	75
105	40	80	60.9	136.0	50,000	50,000	50,000	40,700	40,700	40,700	56.6	115.5	33,800	33,800	33,800	80
105	40	85	58.6	132.9	47,600	47,600	47,600	38,800	38,800	38,800	54.4	108.9	32,100	32,100	32,100	85
105	40	90	56.3	129.6	45,500	45,500	45,500	36,200	36,200	36,200	52.4	97.3	30,700	30,700	30,700	90
105	40	100	51.4	121.9	41,800	41,800	41,800	32,100	32,100	32,100	44.4	82.6	29,600	29,600	29,600	100
105	40	110	46.2	112.7	38,200	38,200	38,200	30,500	30,500	30,500	37.4	62.4	21,700	21,700	21,700	110
105	40	120	40.4	101.6	36,500	36,500	36,500	30,500	30,500	30,500	28.5					120
105	40	130	33.8	87.7	34,100	34,100	34,100									130
105	40	140	25.6	69.2	32,000	32,000	32,000									140
105	40	150	13.2	38.5	30,300	30,300	30,300									150
105	60	33.36	82.0	174.0	71,700	71,700	71,700	46,200	46,200	46,200	81.1	165.1	28,200	28,200	28,200	33.36
105	60	35	81.4	173.7	71,200	71,200	71,200	46,200	46,200	46,200	79.3	163.4	28,200	28,200	28,200	35
105	60	40	79.7	172.7	67,300	67,300	67,300	45,800	45,800	45,800	77.4	161.6	28,200	28,200	28,200	40
105	60	45	78.0	171.6	62,300	62,300	62,300	43,400	43,400	43,400	75.6	159.5	28,200	28,200	28,200	45
105	60	50	76.2	170.3	57,900	57,900	57,900	41,200	41,200	41,200	73.6	157.2	28,200	28,200	28,200	50
105	60	55	74.4	168.8	54,100	54,100	54,100	39,900	39,900	39,900	71.7	154.8	28,200	28,200	28,200	55
105	60	60	72.6	167.2	50,700	50,700	50,700	38,000	38,000	38,000	69.7	152.1	28,200	28,200	28,200	60
105	60	65	70.8	165.3	47,700	47,700	47,700	36,400	36,400	36,400	67.7	149.2	28,200	28,200	28,200	65
105	60	70	69.0	163.3	45,100	45,100	45,100	34,800	34,800	34,800	65.6	147.0	28,100	28,100	28,100	70
105	60	75	67.1	161.1	42,700	42,700	42,700	33,400	33,400	33,400	63.6	145.0	26,400	26,400	26,400	75
105	60	80	65.2	158.7	40,600	40,600	40,600	32,000	32,000	32,000	61.6	142.7	25,000	25,000	25,000	80
105	60	85	63.3	156.1	38,400	38,400	38,400	30,900	30,900	30,900	59.2	135.0	23,700	23,700	23,700	85
105	60	90	61.4	153.3	37,500	37,500	37,500	28,900	28,900	28,900	57.4	130.0	22,700	22,700	22,700	90
105	60	100	57.3	146.9	34,400	34,400	34,400	26,900	26,900	26,900	54.5	115.3	21,700	21,700	21,700	100
105	60	110	53.1	139.5	31,700	31,700	31,700	25,300	25,300	25,300	49.4	102.4	21,700	21,700	21,700	110
105	60	120	48.6	130.8	29,400	29,400	29,400	23,900	23,900	23,900	43.7	86.1	21,100	21,100	21,100	120
105	60	130	43.7	120.6	27,400	27,400	27,400	22,700	22,700	22,700	37.1	63.5				130
105	60	140	38.3	108.4	25,600	25,600	25,600									140
105	60	150	32.2	93.3	24,100	24,100	24,100									150
105	60	160	24.5	73.3	22,800	22,800	22,800									160
105	60	170	12.8	40.3	21,600	21,600	21,600									170





348 HYLAB 5 - w/ 80" x 95" Heavy Duty & 68" x 80" Long Range Boom, w/ 39" x 48" Tubular Jib, w/ 221.1K+75K Cwt  
Refer to the Tubular Jib Notes for Long Range Boom in this Crane Rating Manual before operating the crane.

Boom Length (ft)	Jib Length (ft)	Jib Load Radius (ft)	Boom Angle (deg)	Jib Point Height (ft)	5 Degrees			15 Degrees			25 Degrees			Jib Load Radius (ft)		
					Jib Capacity (lbs)			Jib Capacity (lbs)			Jib Capacity (lbs)					
					Over End Blocked	Extended	Retracted	Over End Blocked	Extended	Retracted	Over End Blocked	Extended	Retracted			
105	80	37.85	82.0	193.5	56,700	56,700	56,700	34,600	34,600	34,600	80.8	188.2	34,600	34,600	34,600	37.85
105	80	40	81.3	193.1	56,100	56,100	56,100	34,600	34,600	34,600	79.2	186.7	34,600	34,600	34,600	40
105	80	45	79.8	192.1	52,800	52,800	52,800	34,600	34,600	34,600	77.6	185.1	34,600	34,600	34,600	45
105	80	50	78.2	190.9	49,100	49,100	49,100	34,600	34,600	34,600	75.9	183.3	34,600	34,600	34,600	50
105	80	55	76.6	189.6	45,900	45,900	45,900	34,600	34,600	34,600	74.3	181.3	34,600	34,600	34,600	55
105	80	60	75.1	188.2	43,100	43,100	43,100	34,600	34,600	34,600	72.6	179.2	34,600	34,600	34,600	60
105	80	65	73.5	186.5	40,600	40,600	40,600	34,600	34,600	34,600	70.9	176.9	34,600	34,600	34,600	65
105	80	70	71.9	184.8	39,100	39,100	39,100	34,600	34,600	34,600	69.2	174.5	34,600	34,600	34,600	70
105	80	75	70.2	182.9	37,100	37,100	37,100	34,600	34,600	34,600	67.7	172.6	34,600	34,600	34,600	75
105	80	80	68.6	180.8	35,200	35,200	35,200	34,600	34,600	34,600	66.2	170.6	34,600	34,600	34,600	80
105	80	85	66.9	178.5	33,500	33,500	33,500	34,600	34,600	34,600	64.7	168.0	34,600	34,600	34,600	85
105	80	90	65.2	176.0	31,900	31,900	31,900	34,600	34,600	34,600	63.2	165.7	34,600	34,600	34,600	90
105	80	100	61.7	170.6	28,100	28,100	28,100	34,600	34,600	34,600	62.1	162.6	34,600	34,600	34,600	100
105	80	110	58.1	164.3	26,800	26,800	26,800	34,600	34,600	34,600	61.8	159.2	34,600	34,600	34,600	110
105	80	120	54.4	157.1	24,800	24,800	24,800	34,600	34,600	34,600	61.8	157.1	34,600	34,600	34,600	120
105	80	130	50.4	148.8	23,100	23,100	23,100	34,600	34,600	34,600	61.8	151.7	34,600	34,600	34,600	130
105	80	140	46.2	139.2	21,500	21,500	21,500	34,600	34,600	34,600	61.8	143.1	34,600	34,600	34,600	140
105	80	150	41.7	128.0	20,200	20,200	20,200	34,600	34,600	34,600	61.8	133.1	34,600	34,600	34,600	150
105	80	160	36.6	114.7	19,000	19,000	19,000	34,600	34,600	34,600	61.8	125.8	34,600	34,600	34,600	160
105	80	170	30.8	98.5	17,900	17,900	17,900	34,600	34,600	34,600	61.8	112.2	34,600	34,600	34,600	170
105	80	180	23.6	77.1	17,000	17,000	17,000	34,600	34,600	34,600	61.8	89.4	34,600	34,600	34,600	180
105	80	190	12.5	42.1	16,200	16,200	16,200	34,600	34,600	34,600	61.8	64.7	34,600	34,600	34,600	190
105	100	42.35	82.0	213.0	45,700	45,700	45,700	27,700	27,700	27,700	81.8	199.2	16,900	16,900	16,900	42.35
105	100	45	81.3	212.5	45,200	45,200	45,200	27,700	27,700	27,700	80.3	197.3	16,900	16,900	16,900	45
105	100	50	79.9	211.4	42,600	42,600	42,600	27,700	27,700	27,700	78.8	195.2	16,900	16,900	16,900	50
105	100	55	78.4	210.3	39,900	39,900	39,900	27,700	27,700	27,700	77.3	192.5	16,900	16,900	16,900	55
105	100	60	77.0	209.0	38,400	38,400	38,400	27,700	27,700	27,700	75.9	189.8	16,900	16,900	16,900	60
105	100	65	75.6	207.5	36,100	36,100	36,100	27,700	27,700	27,700	74.4	187.3	16,900	16,900	16,900	65
105	100	70	74.1	205.9	34,100	34,100	34,100	27,700	27,700	27,700	72.8	184.8	16,900	16,900	16,900	70
105	100	75	72.7	204.2	32,300	32,300	32,300	27,700	27,700	27,700	71.3	182.4	16,900	16,900	16,900	75
105	100	80	71.2	202.4	30,700	30,700	30,700	27,700	27,700	27,700	69.8	180.0	16,900	16,900	16,900	80
105	100	85	69.7	200.3	29,200	29,200	29,200	27,700	27,700	27,700	68.2	177.9	16,900	16,900	16,900	85
105	100	90	68.2	198.2	27,800	27,800	27,800	27,700	27,700	27,700	66.6	175.9	16,900	16,900	16,900	90
105	100	100	65.2	193.4	25,400	25,400	25,400	27,700	27,700	27,700	65.2	173.7	16,900	16,900	16,900	100
105	100	110	62.1	187.9	23,300	23,300	23,300	27,700	27,700	27,700	63.3	171.6	16,900	16,900	16,900	110
105	100	120	58.8	181.6	21,500	21,500	21,500	27,700	27,700	27,700	61.8	169.0	16,900	16,900	16,900	120
105	100	130	55.4	174.6	19,900	19,900	19,900	27,700	27,700	27,700	60.3	166.4	16,900	16,900	16,900	130
105	100	140	51.9	166.5	18,600	18,600	18,600	27,700	27,700	27,700	58.8	164.5	16,900	16,900	16,900	140
105	100	150	48.2	157.4	17,400	17,400	17,400	27,700	27,700	27,700	56.5	162.6	16,900	16,900	16,900	150
105	100	160	44.2	147.0	16,300	16,300	16,300	27,700	27,700	27,700	54.1	160.0	16,900	16,900	16,900	160
105	100	170	39.9	134.9	15,300	15,300	15,300	27,700	27,700	27,700	52.3	157.7	16,900	16,900	16,900	170
105	100	180	35.1	120.7	14,500	14,500	14,500	27,700	27,700	27,700	50.6	155.2	16,900	16,900	16,900	180
105	100	190	29.6	103.4	13,700	13,700	13,700	27,700	27,700	27,700	48.5	152.8	16,900	16,900	16,900	190
105	100	200	22.8	80.7	13,000	13,000	13,000	27,700	27,700	27,700	46.6	150.0	16,900	16,900	16,900	200
105	100	210	12.2	43.7	12,400	12,400	12,400	27,700	27,700	27,700	44.1	147.8	16,900	16,900	16,900	210

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348 HYLAB 5 - w/ 80" x 95" Heavy Duty & 68" x 80" Long Range Boom, w/ 39" x 48" Tubular Jib, w/ 221.1K+75K Cwt  
Refer to the Tubular Jib Notes for Long Range Boom in this Crane Rating Manual before operating the crane.

Boom Length (ft)	Jib Length (ft)	Jib Load Radius (ft)	Boom Angle (deg)	Jib Point Height (ft)	5 Degrees			15 Degrees			25 Degrees			Jib Load Radius (ft)
					Jib Capacity (lbs)			Jib Capacity (lbs)			Jib Capacity (lbs)			
					Over End Blocked	Extended	Retracted	Over End Blocked	Extended	Retracted	Over End Blocked	Extended	Retracted	
105	120	46.85	82.0	232.5	35,800	35,800	35,800	23,100	23,100	23,100	14,100	14,100	14,100	46.85
105	120	50	81.2	231.9	35,400	35,400	35,400	23,100	23,100	23,100	14,100	14,100	14,100	50
105	120	55	79.9	230.8	34,800	34,800	34,800	23,100	23,100	23,100	14,100	14,100	14,100	55
105	120	60	78.6	229.6	33,800	33,800	33,800	22,300	22,300	22,300	14,100	14,100	14,100	60
105	120	65	77.3	228.3	31,900	31,900	31,900	21,400	21,400	21,400	14,100	14,100	14,100	65
105	120	70	76.0	226.9	30,200	30,100	30,100	20,600	20,600	20,600	14,100	14,100	14,100	70
105	120	75	74.7	225.3	28,600	28,600	28,600	19,700	19,700	19,700	14,100	14,100	14,100	75
105	120	80	73.4	223.6	27,100	27,100	27,100	18,200	18,200	18,200	14,100	14,100	14,100	80
105	120	85	72.0	221.8	25,800	25,800	25,800	17,500	17,500	17,500	14,100	14,100	14,100	85
105	120	90	70.7	219.9	24,600	24,600	24,600	16,800	16,800	16,800	14,100	14,100	14,100	90
105	120	100	68.0	215.6	22,400	22,400	22,400	15,700	15,700	15,700	14,100	14,100	14,100	100
105	120	110	65.2	210.7	20,600	20,600	20,600	14,700	14,700	14,700	14,100	14,100	14,100	110
105	120	120	62.3	205.2	18,900	18,900	18,900	13,700	13,700	13,700	14,100	14,100	14,100	120
105	120	130	59.4	199.0	17,500	17,500	17,500	12,900	12,900	12,900	14,100	14,100	14,100	130
105	120	140	56.3	192.0	16,300	16,300	16,300	12,200	12,200	12,200	14,100	14,100	14,100	140
105	120	150	53.1	184.2	15,200	15,200	15,200	11,500	11,500	11,500	14,100	14,100	14,100	150
105	120	160	49.8	175.5	14,200	14,200	14,200	10,700	10,700	10,700	14,100	14,100	14,100	160
105	120	170	46.3	165.6	13,300	13,300	13,300	10,000	10,000	10,000	14,100	14,100	14,100	170
105	120	180	42.5	154.4	12,500	12,500	12,500	9,400	9,400	9,400	14,100	14,100	14,100	180
105	120	190	38.4	141.5	11,800	11,800	11,800	8,800	8,800	8,800	14,100	14,100	14,100	190
105	120	200	33.8	126.4	11,100	11,100	11,100	8,200	8,200	8,200	14,100	14,100	14,100	200
105	120	210	28.6	108.1	10,500	10,500	10,500	7,600	7,600	7,600	14,100	14,100	14,100	210
105	120	220	22.1	84.2	10,000	10,000	10,000	7,000	7,000	7,000	14,100	14,100	14,100	220
105	120	230	12.0	45.3	9,500	9,500	9,500	6,800	6,800	6,800	14,100	14,100	14,100	230
105	140	51.35	82.0	252.0	28,100	28,100	28,100	19,800	19,800	19,800	12,100	12,100	12,100	51.35
105	140	55	81.1	251.3	27,900	27,900	27,900	19,800	19,800	19,800	12,100	12,100	12,100	55
105	140	60	80.0	250.2	27,800	27,800	27,800	19,800	19,800	19,800	12,100	12,100	12,100	60
105	140	65	78.8	249.0	27,600	27,600	27,600	19,800	19,800	19,800	12,100	12,100	12,100	65
105	140	70	77.6	247.7	26,800	26,800	26,800	19,000	19,000	19,000	12,100	12,100	12,100	70
105	140	75	76.4	246.2	25,400	25,400	25,400	17,400	17,400	17,400	12,100	12,100	12,100	75
105	140	80	75.2	244.7	24,200	24,200	24,200	16,100	16,100	16,100	12,100	12,100	12,100	80
105	140	85	74.0	243.1	23,000	23,000	23,000	14,900	14,900	14,900	12,100	12,100	12,100	85
105	140	90	72.7	241.3	21,900	21,900	21,900	13,800	13,800	13,800	12,100	12,100	12,100	90
105	140	100	70.3	237.4	20,000	20,000	20,000	12,800	12,800	12,800	12,100	12,100	12,100	100
105	140	110	67.7	233.0	18,300	18,300	18,300	11,200	11,200	11,200	12,100	12,100	12,100	110
105	140	120	65.2	228.0	16,800	16,800	16,800	10,000	10,000	10,000	12,100	12,100	12,100	120
105	140	130	62.5	222.5	15,500	15,500	15,500	9,300	9,300	9,300	12,100	12,100	12,100	130
105	140	140	59.8	216.3	14,400	14,400	14,400	8,500	8,500	8,500	12,100	12,100	12,100	140
105	140	150	57.0	209.5	13,400	13,400	13,400	7,900	7,900	7,900	12,100	12,100	12,100	150
105	140	160	54.1	201.9	12,400	12,400	12,400	7,400	7,400	7,400	12,100	12,100	12,100	160
105	140	170	51.1	193.4	11,600	11,600	11,600	6,900	6,900	6,900	12,100	12,100	12,100	170
105	140	180	47.9	184.0	10,900	10,900	10,900	6,500	6,500	6,500	12,100	12,100	12,100	180
105	140	190	44.6	173.4	10,200	10,200	10,200	6,100	6,100	6,100	12,100	12,100	12,100	190
105	140	200	41.0	161.5	9,600	9,600	9,600	5,700	5,700	5,700	12,100	12,100	12,100	200
105	140	210	37.1	147.8	9,000	9,000	9,000	5,300	5,300	5,300	12,100	12,100	12,100	210
105	140	220	32.7	131.8	8,500	8,500	8,500	4,900	4,900	4,900	12,100	12,100	12,100	220
105	140	230	27.7	112.5	8,000	8,000	8,000	4,600	4,600	4,600	12,100	12,100	12,100	230
105	140	240	21.5	87.5	7,600	7,600	7,600	4,200	4,200	4,200	12,100	12,100	12,100	240
105	140	250	11.8	46.8	7,300	7,300	7,300	3,800	3,800	3,800	12,100	12,100	12,100	250

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348 HYLAB 5 - w/ 80" x 95" Heavy Duty & 68" x 80" Long Range Boom, w/ 39" x 48" Tubular Jib, w/ 221.1K+75K Cwt  
Refer to the Tubular Jib Notes for Long Range Boom in this Crane Rating Manual before operating the crane.

Boom Length (ft)	Jib Length (ft)	Jib Load Radius (ft)	5 Degrees			15 Degrees			25 Degrees			Jib Load Radius (ft)							
			Boom Angle (deg)	Jib Point Height (ft)	Jib Capacity (lbs)			Boom Angle (deg)	Jib Point Height (ft)	Jib Capacity (lbs)									
					Over End Blocked	Extended	Retracted			Over End Blocked	Extended		Retracted	Over End Blocked	Extended	Retracted			
115	40	30.25	82.0	163.4	97,000	97,000	97,000	80.8	161.6	68,400	68,400	68,400	81.3	158.5	42,400	42,400	42,400	30.25	
115	40	35	80.3	163.6	89,000	89,000	89,000	79.0	160.4	64,100	64,100	64,100	79.3	157.1	42,400	42,400	42,400	35	
115	40	40	78.4	162.5	81,900	81,900	81,900	77.1	159.0	60,400	60,400	60,400	77.4	155.5	42,400	42,400	42,400	40	
115	40	45	76.5	161.3	76,800	76,800	76,800	75.2	157.4	57,000	57,000	57,000	75.5	153.7	42,400	42,400	42,400	45	
115	40	50	74.7	159.9	71,400	71,400	71,400	73.2	155.6	54,000	54,000	54,000	73.5	151.7	42,400	42,400	42,400	50	
115	40	55	72.8	158.3	66,800	66,800	66,800	71.3	153.6	51,300	51,300	51,300	71.5	149.5	42,400	42,400	42,400	55	
115	40	60	70.8	156.6	62,700	62,700	62,700	69.3	151.4	48,900	48,900	48,900	69.4	147.0	41,800	41,800	41,800	60	
115	40	65	68.9	154.6	59,100	59,100	59,100	67.3	149.1	46,700	46,700	46,700	67.3	144.4	40,300	40,300	40,300	65	
115	40	70	66.9	152.4	55,800	55,800	55,800	65.2	146.5	44,700	44,700	44,700	65.2	141.5	39,400	39,400	39,400	70	
115	40	75	64.9	150.1	53,000	53,000	53,000	63.1	143.6	42,900	42,900	42,900	63.0	138.4	38,000	38,000	38,000	75	
115	40	80	62.9	147.5	50,300	50,300	50,300	61.0	140.5	41,200	41,200	41,200	61.0	135.5	35,700	35,700	35,700	80	
115	40	85	60.8	144.7	48,000	48,000	48,000	58.5	133.5	38,900	38,900	38,900	58.5	131.3	35,700	35,700	35,700	85	
115	40	90	58.7	141.6	45,900	45,900	45,900	56.6	130.5	36,300	36,300	36,300	56.6	128.8	33,700	33,700	33,700	90	
115	40	100	54.3	134.7	42,100	42,100	42,100	51.8	125.3	33,300	33,300	33,300	51.8	122.8	33,700	33,700	33,700	100	
115	40	110	49.6	126.5	39,600	39,600	39,600	46.7	115.4	34,100	34,100	34,100	46.7	112.8	31,900	31,900	31,900	110	
115	40	120	44.6	116.8	36,800	36,800	36,800	41.1	103.6	32,100	32,100	32,100	41.1	100.6	30,400	30,400	30,400	120	
115	40	130	39.0	105.1	34,400	34,400	34,400	34.6	88.8	30,500	30,500	30,500	34.6	85.2	29,200	29,200	29,200	130	
115	40	140	32.6	90.6	32,300	32,300	32,300	26.5	69.0	29,000	29,000	29,000	26.5	64.1	28,200	28,200	28,200	140	
115	40	150	24.8	71.3	30,400	30,400	30,400											150	
115	40	160	12.7	39.5	28,800	28,800	28,800												160
115	60	34.75	82.0	183.9	71,000	71,000	71,000	81.9	180.6	46,200	46,200	46,200	81.6	175.5	28,200	28,200	28,200	34.75	
115	60	35	81.9	183.9	70,900	70,900	70,900	80.2	179.4	46,200	46,200	46,200	79.9	173.9	28,200	28,200	28,200	35	
115	60	40	80.3	183.0	67,300	67,300	67,300	78.6	178.0	45,500	45,500	45,500	78.2	172.1	28,200	28,200	28,200	40	
115	60	45	78.6	181.9	62,300	62,300	62,300	76.9	176.4	43,100	43,100	43,100	76.4	168.1	28,200	28,200	28,200	45	
115	60	50	77.0	180.6	58,000	58,000	58,000	75.1	174.7	41,000	41,000	41,000	74.6	165.8	28,200	28,200	28,200	50	
115	60	55	75.3	179.2	54,200	54,200	54,200	73.4	172.8	39,800	39,800	39,800	72.8	163.3	28,200	28,200	28,200	55	
115	60	60	73.6	177.7	50,900	50,900	50,900	71.7	170.7	38,000	38,000	38,000	71.0	161.0	28,200	28,200	28,200	60	
115	60	65	71.9	176.0	47,900	47,900	47,900	69.9	168.5	36,300	36,300	36,300	69.1	158.6	28,200	28,200	28,200	65	
115	60	70	70.2	174.1	45,300	45,300	45,300	68.1	166.0	34,800	34,800	34,800	67.8	156.3	28,200	28,200	28,200	70	
115	60	75	68.5	172.1	42,900	42,900	42,900	66.3	163.4	33,400	33,400	33,400	66.1	154.6	28,200	28,200	28,200	75	
115	60	80	66.7	169.8	40,700	40,800	40,800	64.5	161.5	32,000	32,000	32,000	64.3	152.9	28,200	28,200	28,200	80	
115	60	85	64.9	167.4	39,700	39,700	39,700	62.5	159.5	30,900	30,900	30,900	62.3	151.5	28,200	28,200	28,200	85	
115	60	90	63.1	164.8	37,800	37,800	37,800	60.3	157.5	30,000	30,000	30,000	60.1	149.6	28,200	28,200	28,200	90	
115	60	100	59.4	158.9	34,600	34,600	34,600	58.6	155.6	28,800	28,800	28,800	58.5	147.6	27,900	27,900	27,900	100	
115	60	110	55.5	152.1	31,900	31,900	31,900	56.4	153.4	28,000	28,000	28,000	56.3	145.6	26,200	26,200	26,200	110	
115	60	120	51.4	144.2	29,600	29,600	29,600	54.4	151.4	26,900	26,900	26,900	54.2	143.4	25,300	25,300	25,300	120	
115	60	130	47.1	135.1	27,500	27,500	27,500	52.6	149.1	25,300	25,300	25,300	52.6	141.5	23,500	23,500	23,500	130	
115	60	140	42.4	124.4	25,800	25,800	25,800	50.0	147.2	23,900	23,900	23,900	50.0	139.0	22,400	22,400	22,400	140	
115	60	150	37.2	111.6	24,200	24,200	24,200	48.3	145.3	22,700	22,700	22,700	47.6	137.1	21,500	21,500	21,500	150	
115	60	160	32.6	95.9	22,900	22,900	22,900	46.0	143.4	21,600	21,600	21,600	45.7	135.3	20,700	20,700	20,700	160	
115	60	170	23.8	75.2	21,600	21,600	21,600	44.1	141.5	20,700	20,700	20,700	44.1	133.4	20,100	20,100	20,100	170	
115	60	180	12.4	41.3	20,600	20,600	20,600	26.1	71.9	20,700	20,700	20,700	27.3	64.9	20,100	20,100	20,100	180	



348 HYLAB 5 - w/ 80" x 95" Heavy Duty & 68" x 80" Long Range Boom, w/ 39" x 48" Tubular Jib, w/ 221.1K+75K Cwt  
Refer to the Tubular Jib Notes for Long Range Boom in this Crane Rating Manual before operating the crane.

Jib Angle to Boom		5 Degrees					15 Degrees					25 Degrees					Jib Load Radius (ft)	
Boom Length (ft)	Jib Length (ft)	Jib Load Radius (ft)	Boom Angle (deg)	Jib Point Height (ft)	Jib Capacity (lbs)			Boom Angle (deg)	Jib Point Height (ft)	Jib Capacity (lbs)			Boom Angle (deg)	Jib Point Height (ft)	Jib Capacity (lbs)			Jib Load Radius (ft)
					Over End Blocked	360° Extended	Retracted			Over End Blocked	360° Extended	Retracted			Over End Blocked	360° Extended	Retracted	
115	80	39.25	82.0	203.4	56,100	56,100	56,100	81.3	198.5	34,600	34,600	34,600	81.9	197.1	21,200	21,200	21,200	39.25
115	80	45	81.8	203.3	55,900	55,900	55,900	80.4	192.5	34,600	34,600	34,600	80.4	190.8	21,200	21,200	21,200	45
115	80	40	80.3	202.3	52,700	52,700	52,700	78.8	188.9	33,400	33,400	33,400	78.8	189.8	21,200	21,200	21,200	40
115	80	50	78.8	201.2	49,100	49,100	49,100	77.2	186.9	30,500	30,500	30,500	77.2	186.9	21,200	21,200	21,200	50
115	80	55	77.3	200.0	45,900	45,900	45,900	75.6	190.0	30,400	30,400	30,400	75.6	189.9	21,200	21,200	21,200	55
115	80	60	75.8	198.6	43,100	43,100	43,100	72.0	187.9	29,200	29,200	29,200	72.0	184.7	21,200	21,200	21,200	60
115	80	65	74.3	197.1	40,600	40,600	40,600	70.4	185.6	28,000	28,000	28,000	70.4	182.4	21,200	21,200	21,200	65
115	80	70	72.8	195.4	39,300	39,300	39,300	67.1	180.4	25,800	25,800	25,800	67.1	177.1	21,200	21,200	21,200	70
115	80	75	71.3	193.6	37,200	37,200	37,200	63.7	174.5	24,000	24,000	24,000	63.7	171.1	21,200	21,200	21,200	75
115	80	80	69.7	191.6	35,300	35,300	35,300	60.2	167.7	22,400	22,400	22,400	60.2	164.1	20,300	20,300	20,300	80
115	80	85	68.1	189.5	33,600	33,600	33,600	56.5	160.0	21,000	21,000	21,000	56.5	156.2	19,200	19,200	19,200	85
115	80	85	66.6	187.2	32,000	32,000	32,000	52.6	151.2	19,700	19,700	19,700	52.6	147.2	18,200	18,200	18,200	85
115	80	100	63.3	182.1	29,300	29,300	29,300	48.5	141.0	18,600	18,600	18,600	48.5	136.7	17,300	17,300	17,300	100
115	80	100	60.0	176.2	26,900	26,900	26,900	44.0	129.2	17,700	17,700	17,700	44.0	129.2	16,600	16,600	16,600	100
115	80	120	56.5	169.5	24,900	24,900	24,900	39.0	115.1	16,800	16,800	16,800	39.0	109.4	15,900	15,900	15,900	120
115	80	130	52.9	161.9	23,100	23,100	23,100	33.1	97.8	16,000	16,000	16,000	33.1	91.3	15,400	15,400	15,400	130
115	80	140	49.0	153.2	21,600	21,600	21,600	27.3	74.8	15,400	15,400	15,400	27.3	65.7	15,000	15,000	15,000	140
115	80	150	44.9	143.2	19,000	19,000	19,000	23.1	62.9	14,800	14,800	14,800	23.1	62.9	14,400	14,400	14,400	150
115	80	160	40.5	131.5	17,000	17,000	17,000	21.1	60.2	14,300	14,300	14,300	21.1	60.2	14,000	14,000	14,000	160
115	80	170	35.6	117.8	15,000	15,000	15,000	18.8	57.8	13,800	13,800	13,800	18.8	57.8	13,500	13,500	13,500	170
115	80	180	29.9	101.0	13,000	13,000	13,000	15.1	48.8	13,000	13,000	13,000	15.1	48.8	12,700	12,700	12,700	180
115	80	190	22.9	78.9	11,000	11,000	11,000	11.9	44.5	12,300	12,300	12,300	11.9	44.5	12,000	12,000	12,000	190
115	80	200	12.1	42.9	15,400	15,400	15,400	8.7	40.5	11,800	11,800	11,800	8.7	40.5	11,500	11,500	11,500	200
115	100	43.75	82.0	222.9	45,200	45,200	45,200	80.7	216.2	27,700	27,700	27,700	80.8	207.8	16,900	16,900	16,900	43.75
115	100	45	81.7	222.7	45,000	45,000	45,000	79.3	214.7	27,700	27,700	27,700	79.3	205.8	16,900	16,900	16,900	45
115	100	50	80.3	221.7	42,400	42,400	42,400	77.9	213.1	27,500	27,500	27,500	77.9	203.7	16,900	16,900	16,900	50
115	100	55	79.0	220.6	39,800	39,800	39,800	75.1	209.4	25,100	25,100	25,100	75.1	203.4	16,900	16,900	16,900	55
115	100	60	77.6	219.3	38,300	38,300	38,300	73.7	207.3	24,100	24,100	24,100	73.7	203.0	16,900	16,900	16,900	60
115	100	65	76.3	217.9	36,100	36,100	36,100	71.9	203.4	23,100	23,100	23,100	71.9	202.7	16,900	16,900	16,900	65
115	100	70	74.9	216.4	34,100	34,100	34,100	67.8	202.7	22,200	22,200	22,200	67.8	202.7	16,900	16,900	16,900	70
115	100	75	73.5	214.8	32,300	32,300	32,300	65.8	202.7	22,200	22,200	22,200	65.8	202.7	16,900	16,900	16,900	75
115	100	80	72.1	213.0	30,700	30,700	30,700	64.7	202.7	22,200	22,200	22,200	64.7	202.7	16,900	16,900	16,900	80
115	100	85	70.7	211.1	29,200	29,200	29,200	61.5	202.7	22,200	22,200	22,200	61.5	202.7	16,900	16,900	16,900	85
115	100	90	69.3	209.1	27,800	27,800	27,800	58.2	202.7	22,200	22,200	22,200	58.2	202.7	16,900	16,900	16,900	90
115	100	100	66.4	204.5	25,400	25,400	25,400	54.8	202.7	22,200	22,200	22,200	54.8	202.7	16,900	16,900	16,900	100
115	100	110	63.5	199.4	23,300	23,300	23,300	51.1	191.6	20,600	20,600	20,600	51.1	187.7	16,900	16,900	16,900	110
115	100	120	60.4	193.5	21,500	21,500	21,500	47.2	184.9	19,200	19,200	19,200	47.2	180.9	16,200	16,200	16,200	120
115	100	130	57.3	186.9	20,000	20,000	20,000	42.9	177.4	18,000	18,000	18,000	42.9	173.1	15,300	15,300	15,300	130
115	100	140	54.0	179.5	18,600	18,600	18,600	38.1	168.9	16,800	16,800	16,800	38.1	164.4	14,500	14,500	14,500	140
115	100	150	50.6	171.1	17,400	17,400	17,400	35.2	162.2	15,800	15,800	15,800	35.2	160.9	13,800	13,800	13,800	150
115	100	160	47.0	161.6	16,300	16,300	16,300	32.5	155.2	14,900	14,900	14,900	32.5	154.5	13,000	13,000	13,000	160
115	100	170	43.1	150.8	15,300	15,300	15,300	27.3	148.2	14,100	14,100	14,100	27.3	143.1	12,600	12,600	12,600	170
115	100	180	38.9	138.3	14,400	14,400	14,400	25.5	135.5	13,400	13,400	13,400	25.5	129.8	12,000	12,000	12,000	180
115	100	190	34.2	123.6	13,600	13,600	13,600	23.1	120.5	12,800	12,800	12,800	23.1	114.0	11,700	11,700	11,700	190
115	100	200	28.9	105.8	12,900	12,900	12,900	21.1	102.0	12,200	12,200	12,200	21.1	94.2	11,700	11,700	11,700	200
115	100	210	22.2	82.5	12,300	12,300	12,300	18.8	77.5	11,700	11,700	11,700	18.8	66.4	11,400	11,400	11,400	210
115	100	220	11.9	44.5	11,800	11,800	11,800	16.2	40.5	11,700	11,700	11,700	16.2	40.5	11,400	11,400	11,400	220





**348 HYLAB 5 - w/ 80" x 95" Heavy Duty & 68" x 80" Long Range Boom, w/ 39" x 48" Tubular Jib, w/ 221.1K+75K Cwt**  
Refer to the Tubular Jib Notes for Long Range Boom in this Crane Rating Manual before operating the crane.

Boom Length (ft)	Jib Length (ft)	Jib Load Radius (ft)	Boom Angle (deg)	Jib Point Height (ft)	5 Degrees			15 Degrees			25 Degrees			Jib Load Radius (ft)
					Jib Capacity (lbs)			Jib Capacity (lbs)			Jib Capacity (lbs)			
					Over End Blocked	Extended	Retracted	Over End Blocked	Extended	Retracted	Over End Blocked	Extended	Retracted	
115	120	48.24	82.0	242.4	35,500	35,500	35,500	23,100	23,100	23,100	14,100	14,100	14,100	48.24
115	120	50	81.6	242.1	35,300	35,300	35,300	23,100	23,100	23,100	14,100	14,100	14,100	50
115	120	55	80.3	241.0	34,700	34,700	34,700	22,700	22,700	22,700	13,900	13,900	13,900	55
115	120	60	79.1	239.9	33,700	33,700	33,700	22,100	22,100	22,100	13,500	13,500	13,500	60
115	120	65	77.9	238.7	31,800	31,800	31,800	21,100	21,100	21,100	13,000	13,000	13,000	65
115	120	70	76.6	237.3	30,100	30,100	30,100	20,200	20,200	20,200	12,500	12,500	12,500	70
115	120	75	75.4	235.8	28,500	28,500	28,500	19,400	19,400	19,400	12,000	12,000	12,000	75
115	120	80	74.1	234.2	27,100	27,100	27,100	18,000	18,000	18,000	11,500	11,500	11,500	80
115	120	85	72.8	232.5	25,700	25,700	25,700	17,000	17,000	17,000	11,000	11,000	11,000	85
115	120	90	71.6	230.6	24,500	24,500	24,500	16,200	16,200	16,200	10,500	10,500	10,500	90
115	120	100	69.0	226.5	22,400	22,400	22,400	15,000	15,000	15,000	10,000	10,000	10,000	100
115	120	110	66.3	221.9	20,500	20,500	20,500	14,100	14,100	14,100	9,500	9,500	9,500	110
115	120	120	63.6	216.7	18,900	18,900	18,900	13,000	13,000	13,000	9,000	9,000	9,000	120
115	120	130	60.8	210.8	17,500	17,500	17,500	12,100	12,100	12,100	8,500	8,500	8,500	130
115	120	140	57.9	204.3	16,200	16,200	16,200	11,400	11,400	11,400	8,000	8,000	8,000	140
115	120	150	55.0	197.0	15,100	15,100	15,100	10,800	10,800	10,800	7,700	7,700	7,700	150
115	120	160	51.9	188.9	14,100	14,100	14,100	10,200	10,200	10,200	7,400	7,400	7,400	160
115	120	170	48.6	179.8	13,200	13,200	13,200	9,700	9,700	9,700	7,000	7,000	7,000	170
115	120	180	45.2	169.6	12,400	12,400	12,400	9,300	9,300	9,300	6,700	6,700	6,700	180
115	120	190	41.5	158.0	11,700	11,700	11,700	9,000	9,000	9,000	6,500	6,500	6,500	190
115	120	200	37.5	144.7	11,000	11,000	11,000	8,700	8,700	8,700	6,300	6,300	6,300	200
115	120	210	33.0	129.2	10,400	10,400	10,400	8,500	8,500	8,500	6,200	6,200	6,200	210
115	120	220	27.9	110.3	9,900	9,900	9,900	8,300	8,300	8,300	6,100	6,100	6,100	220
115	120	230	21.6	85.8	9,400	9,400	9,400	8,100	8,100	8,100	6,000	6,000	6,000	230
115	120	240	11.7	46.0	9,000	9,000	9,000	8,000	8,000	8,000	5,900	5,900	5,900	240
115	140	52.74	82.0	261.9	27,800	27,800	27,800	19,800	19,800	19,800	12,100	12,100	12,100	52.74
115	140	55	81.5	261.4	27,700	27,700	27,700	19,500	19,500	19,500	12,100	12,100	12,100	55
115	140	60	80.4	260.4	27,500	27,500	27,500	18,700	18,700	18,700	12,000	12,000	12,000	60
115	140	65	79.2	259.3	27,400	27,400	27,400	18,200	18,200	18,200	11,900	11,900	11,900	65
115	140	70	78.1	258.0	26,700	26,700	26,700	17,200	17,200	17,200	11,800	11,800	11,800	70
115	140	75	76.9	256.6	25,300	25,300	25,300	16,700	16,700	16,700	11,700	11,700	11,700	75
115	140	80	75.8	255.2	24,100	24,100	24,100	15,800	15,800	15,800	11,600	11,600	11,600	80
115	140	85	74.6	253.6	22,900	22,900	22,900	14,700	14,700	14,700	11,500	11,500	11,500	85
115	140	90	73.4	251.9	21,800	21,800	21,800	14,000	14,000	14,000	11,400	11,400	11,400	90
115	140	100	71.1	248.2	19,900	19,900	19,900	13,000	13,000	13,000	11,300	11,300	11,300	100
115	140	110	68.7	244.0	18,200	18,200	18,200	12,100	12,100	12,100	11,200	11,200	11,200	110
115	140	120	66.2	239.2	16,700	16,700	16,700	11,400	11,400	11,400	11,100	11,100	11,100	120
115	140	130	63.7	234.0	15,400	15,400	15,400	10,800	10,800	10,800	11,000	11,000	11,000	130
115	140	140	61.1	228.1	14,300	14,300	14,300	10,200	10,200	10,200	10,900	10,900	10,900	140
115	140	150	58.5	221.7	13,300	13,300	13,300	9,700	9,700	9,700	10,800	10,800	10,800	150
115	140	160	55.8	214.5	12,400	12,400	12,400	9,300	9,300	9,300	10,600	10,600	10,600	160
115	140	170	52.9	206.6	11,500	11,500	11,500	9,000	9,000	9,000	10,500	10,500	10,500	170
115	140	180	50.0	197.8	10,800	10,800	10,800	8,700	8,700	8,700	10,400	10,400	10,400	180
115	140	190	46.9	188.1	10,100	10,100	10,100	8,500	8,500	8,500	10,300	10,300	10,300	190
115	140	200	43.6	177.2	9,500	9,500	9,500	8,200	8,200	8,200	10,200	10,200	10,200	200
115	140	210	40.1	164.9	8,900	8,900	8,900	8,000	8,000	8,000	10,100	10,100	10,100	210
115	140	220	36.3	150.8	8,400	8,400	8,400	7,700	7,700	7,700	10,000	10,000	10,000	220
115	140	230	32.0	134.5	7,900	7,900	7,900	7,400	7,400	7,400	9,900	9,900	9,900	230
115	140	240	27.1	114.7	7,500	7,500	7,500	7,000	7,000	7,000	9,800	9,800	9,800	240
115	140	250	21.0	89.1	7,100	7,100	7,100	6,700	6,700	6,700	9,700	9,700	9,700	250
115	140	260	11.5	47.5	6,800	6,800	6,800	6,700	6,700	6,700	9,600	9,600	9,600	260

**Prohibited**

**Prohibited**

**Prohibited**

**Prohibited**

**Prohibited**

**Prohibited**



348 HYLAB 5 - w/ 80" x 95" Heavy Duty & 68" x 80" Long Range Boom, w/ 39" x 48" Tubular Jib, w/ 221.1K+75K Cwt  
Refer to the Tubular Jib Notes for Long Range Boom in this Crane Rating Manual before operating the crane.

Boom Length (ft)	Jib Length (ft)	Jib Load Radius (ft)	Boom Angle (deg)	Jib Point Height (ft)	5 Degrees			15 Degrees			25 Degrees			Jib Load Radius (ft)
					Jib Capacity (lbs)			Jib Capacity (lbs)			Jib Capacity (lbs)			
					Over End Blocked	Curve 11	Curve 12	Over End Blocked	Curve 34	Curve 35	Over End Blocked	Curve 11	Curve 12	
125	40	31.64	82.0	174.3	94,400	94,400	94,400	68,100	68,100	68,100	42,400	42,400	42,400	31.64
125	40	35	80.8	173.8	89,000	89,000	89,000	63,900	63,900	63,900	42,400	42,400	42,400	40
125	40	40	79.1	172.8	82,100	82,100	82,100	60,200	60,200	60,200	42,400	42,400	42,400	40
125	40	45	77.4	171.6	77,100	77,100	77,100	56,900	56,900	56,900	42,400	42,400	42,400	45
125	40	50	75.6	170.3	71,800	71,800	71,800	54,000	54,000	54,000	42,400	42,400	42,400	50
125	40	55	73.8	168.8	67,200	67,200	67,200	51,300	51,300	51,300	42,400	42,400	42,400	55
125	40	60	72.0	167.2	63,100	63,100	63,100	49,000	49,000	49,000	42,400	42,400	42,400	60
125	40	65	70.2	165.4	59,500	59,500	59,500	46,800	46,800	46,800	42,400	42,400	42,400	65
125	40	70	68.4	163.4	56,300	56,300	56,300	44,800	44,800	44,800	42,400	42,400	42,400	70
125	40	75	66.5	161.2	53,400	53,400	53,400	43,000	43,000	43,000	42,400	42,400	42,400	75
125	40	80	64.6	158.8	50,800	50,800	50,800	41,300	41,300	41,300	42,400	42,400	42,400	80
125	40	85	62.7	156.2	48,400	48,400	48,400	39,100	39,100	39,100	42,400	42,400	42,400	85
125	40	90	60.8	153.3	46,200	46,200	46,200	36,500	36,500	36,500	42,400	42,400	42,400	90
125	40	100	56.7	147.0	42,500	42,500	42,500	34,200	34,200	34,200	42,400	42,400	42,400	100
125	40	110	52.5	139.6	40,100	40,100	40,100	32,200	32,200	32,200	42,400	42,400	42,400	110
125	40	120	48.0	130.9	37,200	37,200	37,200	30,500	30,500	30,500	42,400	42,400	42,400	120
125	40	130	43.1	120.7	34,700	34,700	34,700	29,000	29,000	29,000	42,400	42,400	42,400	130
125	40	140	37.8	108.4	32,600	32,600	32,600	27,700	27,700	27,700	42,400	42,400	42,400	140
125	40	150	31.6	93.3	30,700	30,700	30,700	27,000	27,000	27,000	42,400	42,400	42,400	150
125	40	160	24.0	73.3	29,000	29,000	29,000	27,000	27,000	27,000	42,400	42,400	42,400	160
125	40	170	12.3	40.5	27,500	27,500	27,500	27,000	27,000	27,000	42,400	42,400	42,400	170
125	60	36.14	82.0	193.8	70,100	70,100	70,100	46,200	46,200	46,200	28,200	28,200	28,200	36.14
125	60	40	80.8	193.1	67,300	67,300	67,300	45,300	45,300	45,300	28,200	28,200	28,200	40
125	60	45	79.3	192.1	62,500	62,500	62,500	43,000	43,000	43,000	28,200	28,200	28,200	45
125	60	50	77.7	190.9	58,200	58,200	58,200	40,800	40,800	40,800	28,200	28,200	28,200	50
125	60	55	76.1	189.6	54,400	54,400	54,400	39,800	39,800	39,800	28,200	28,200	28,200	55
125	60	60	74.5	188.2	51,100	51,100	51,100	38,000	38,000	38,000	28,200	28,200	28,200	60
125	60	65	72.9	186.6	48,200	48,200	48,200	36,300	36,300	36,300	28,200	28,200	28,200	65
125	60	70	71.3	184.8	45,500	45,500	45,500	34,800	34,800	34,800	28,200	28,200	28,200	70
125	60	75	69.7	182.9	43,100	43,100	43,100	33,400	33,400	33,400	28,200	28,200	28,200	75
125	60	80	68.0	180.8	41,000	41,000	41,000	32,200	32,200	32,200	28,200	28,200	28,200	80
125	60	85	66.4	178.5	40,000	40,000	40,000	31,000	31,000	31,000	28,200	28,200	28,200	85
125	60	90	64.7	176.1	38,100	38,100	38,100	30,000	30,000	30,000	28,200	28,200	28,200	90
125	60	100	61.2	170.6	34,900	34,900	34,900	27,000	27,000	27,000	28,200	28,200	28,200	100
125	60	110	57.6	164.3	32,200	32,200	32,200	25,400	25,400	25,400	28,200	28,200	28,200	110
125	60	120	53.9	157.1	29,800	29,800	29,800	24,700	24,700	24,700	28,200	28,200	28,200	120
125	60	130	49.9	148.8	27,800	27,800	27,800	23,900	23,900	23,900	28,200	28,200	28,200	130
125	60	140	45.7	139.2	26,000	26,000	26,000	22,700	22,700	22,700	28,200	28,200	28,200	140
125	60	150	41.1	128.0	24,400	24,400	24,400	21,600	21,600	21,600	28,200	28,200	28,200	150
125	60	160	36.1	114.8	23,000	23,000	23,000	20,600	20,600	20,600	28,200	28,200	28,200	160
125	60	170	30.3	98.5	21,800	21,800	21,800	20,600	20,600	20,600	28,200	28,200	28,200	170
125	60	180	23.1	77.1	20,700	20,700	20,700	19,800	19,800	19,800	28,200	28,200	28,200	180
125	60	190	12.0	42.2	19,700	19,700	19,700	19,700	19,700	19,700	28,200	28,200	28,200	190

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348 HYLAB 5 - w/ 80" x 95" Heavy Duty & 68" x 80" Long Range Boom, w/ 39" x 48" Tubular Jib, w/ 221.1K+75K Cwt  
Refer to the Tubular Jib Notes for Long Range Boom in this Crane Rating Manual before operating the crane.

Boom Length (ft)	Jib Length (ft)	Jib Load Radius (ft)	Boom Angle (deg)	Jib Point Height (ft)	5 Degrees			15 Degrees			25 Degrees			Jib Load Radius (ft)
					Jib Capacity (lbs)			Jib Capacity (lbs)			Jib Capacity (lbs)			
					Over End Blocked	Extended	Retracted	Over End Blocked	Extended	Retracted	Over End Blocked	Extended	Retracted	
125	80	40.64	82.0	213.3	55,500	55,500	55,500	34,600	34,600	34,600	34,600	34,600	34,600	40.64
125	80	45	80.8	212.5	52,600	49,100	49,100	34,600	34,600	34,600	34,600	34,600	34,600	45
125	80	50	79.4	211.5	49,100	45,900	45,900	34,600	34,600	34,600	34,600	34,600	34,600	50
125	80	55	78.0	210.3	46,000	43,200	43,200	34,600	34,600	34,600	34,600	34,600	34,600	55
125	80	60	76.5	209.0	43,200	40,700	40,700	34,600	34,600	34,600	34,600	34,600	34,600	60
125	80	65	75.1	207.5	40,700	39,400	39,400	33,300	33,300	33,300	33,300	33,300	33,300	65
125	80	70	73.7	206.2	39,500	37,400	37,400	33,300	33,300	33,300	33,300	33,300	33,300	70
125	80	75	72.2	204.2	37,400	35,500	35,500	30,400	30,400	30,400	30,400	30,400	30,400	75
125	80	80	70.7	202.4	35,500	33,800	33,800	29,100	29,100	29,100	29,100	29,100	29,100	80
125	80	85	69.3	200.4	33,800	32,200	32,200	27,900	27,900	27,900	27,900	27,900	27,900	85
125	80	90	67.8	198.2	32,200	29,400	29,400	25,800	25,800	25,800	25,800	25,800	25,800	90
125	80	100	64.7	193.4	29,400	27,100	27,100	24,000	24,000	24,000	24,000	24,000	24,000	100
125	80	110	61.6	187.9	27,100	25,000	25,000	22,400	22,400	22,400	22,400	22,400	22,400	110
125	80	120	58.3	181.7	25,000	23,300	23,300	21,000	21,000	21,000	21,000	21,000	21,000	120
125	80	130	55.0	174.6	23,300	21,700	21,700	20,000	20,000	20,000	20,000	20,000	20,000	130
125	80	140	51.4	166.6	21,700	20,400	20,400	19,700	19,700	19,700	19,700	19,700	19,700	140
125	80	150	47.7	157.4	20,400	19,100	19,100	18,600	18,600	18,600	18,600	18,600	18,600	150
125	80	160	43.7	147.0	19,100	18,000	18,000	17,600	17,600	17,600	17,600	17,600	17,600	160
125	80	170	39.4	135.0	18,000	17,100	17,100	16,800	16,800	16,800	16,800	16,800	16,800	170
125	80	180	34.6	120.7	17,100	16,200	16,200	16,000	16,000	16,000	16,000	16,000	16,000	180
125	80	190	29.1	103.4	16,200	15,300	15,300	15,300	15,300	15,300	15,300	15,300	15,300	190
125	80	200	22.3	80.7	15,400	14,700	14,700	14,700	14,700	14,700	14,700	14,700	14,700	200
125	80	210	11.8	43.8	14,700	14,700	14,700	14,700	14,700	14,700	14,700	14,700	14,700	210
125	100	45.14	82.0	232.8	44,800	44,800	44,800	27,700	27,700	27,700	27,700	27,700	27,700	45.14
125	100	50	80.8	231.9	42,300	42,300	42,300	27,700	27,700	27,700	27,700	27,700	27,700	50
125	100	55	79.5	230.8	40,300	40,300	40,300	27,300	27,300	27,300	27,300	27,300	27,300	55
125	100	60	78.2	229.6	38,300	38,300	38,300	26,100	26,100	26,100	26,100	26,100	26,100	60
125	100	65	76.9	228.3	36,200	36,200	36,200	25,000	25,000	25,000	25,000	25,000	25,000	65
125	100	70	75.6	226.9	34,200	34,200	34,200	24,100	24,100	24,100	24,100	24,100	24,100	70
125	100	75	74.3	225.3	32,400	32,400	32,400	23,100	23,100	23,100	23,100	23,100	23,100	75
125	100	80	72.9	223.6	30,800	30,800	30,800	22,100	22,100	22,100	22,100	22,100	22,100	80
125	100	85	71.6	221.8	29,300	29,300	29,300	21,000	21,000	21,000	21,000	21,000	21,000	85
125	100	90	70.3	219.9	27,900	27,900	27,900	20,000	20,000	20,000	20,000	20,000	20,000	90
125	100	100	67.5	215.6	25,500	25,500	25,500	19,100	19,100	19,100	19,100	19,100	19,100	100
125	100	110	64.7	210.7	23,400	23,400	23,400	18,100	18,100	18,100	18,100	18,100	18,100	110
125	100	120	61.9	205.2	21,600	21,600	21,600	17,100	17,100	17,100	17,100	17,100	17,100	120
125	100	130	59.9	199.0	20,000	20,000	20,000	16,000	16,000	16,000	16,000	16,000	16,000	130
125	100	140	58.9	192.0	18,600	18,600	18,600	15,100	15,100	15,100	15,100	15,100	15,100	140
125	100	150	57.2	184.2	17,400	17,400	17,400	14,300	14,300	14,300	14,300	14,300	14,300	150
125	100	160	55.3	175.5	16,300	16,300	16,300	13,600	13,600	13,600	13,600	13,600	13,600	160
125	100	170	53.3	166.6	15,300	15,300	15,300	13,000	13,000	13,000	13,000	13,000	13,000	170
125	100	180	51.7	157.4	14,500	14,500	14,500	12,400	12,400	12,400	12,400	12,400	12,400	180
125	100	190	50.0	148.0	13,700	13,700	13,700	11,900	11,900	11,900	11,900	11,900	11,900	190
125	100	200	33.4	126.4	12,900	12,900	12,900	11,500	11,500	11,500	11,500	11,500	11,500	200
125	100	210	108.1	82.2	12,300	12,300	12,300	11,100	11,100	11,100	11,100	11,100	11,100	210
125	100	220	21.7	84.2	11,700	11,700	11,700	10,800	10,800	10,800	10,800	10,800	10,800	220
125	100	230	11.6	45.3	11,200	11,200	11,200	11,100	11,100	11,100	11,100	11,100	11,100	230

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348 HYLAB 5 - w/ 80" x 95" Heavy Duty & 68" x 80" Long Range Boom, w/ 39" x 48" Tubular Jib, w/ 221.1K+75K Cwt  
Refer to the Tubular Jib Notes for Long Range Boom in this Crane Rating Manual before operating the crane.

Boom Length (ft)	Jib Length (ft)	Jib Load Radius (ft)	5 Degrees			15 Degrees			25 Degrees			Jib Load Radius (ft)						
			Boom Angle (deg)	Jib Point Height (ft)	Jib Capacity (lbs)			Boom Angle (deg)	Jib Point Height (ft)	Jib Capacity (lbs)								
					Over End Blocked	360° Extended	Retracted			Over End Blocked	360° Extended		Retracted					
125	120	49.64	82.0	252.3	35,200	35,200	35,200	81.9	245.7	23,100	23,100	23,100	81.5	235.3	14,100	14,100	14,100	49.64
125	120	50	81.9	252.2	35,200	35,200	35,200	80.7	244.3	23,100	23,100	23,100	79.0	231.3	14,100	14,100	14,100	50
125	120	55	80.7	251.2	34,600	34,600	34,600	79.5	242.7	22,800	22,800	22,800	76.4	226.7	14,100	14,100	14,100	55
125	120	60	79.6	250.2	33,600	33,600	33,600	78.2	241.1	21,900	21,900	21,900	73.7	221.6	13,700	13,700	13,700	60
125	120	65	78.4	249.0	31,700	31,700	31,700	77.0	239.3	20,900	20,900	20,900	71.0	215.9	12,900	12,900	12,900	65
125	120	70	77.2	247.7	30,000	30,000	30,000	74.5	235.3	19,300	19,300	19,300	68.2	209.5	12,900	12,900	12,900	70
125	120	75	76.0	246.2	28,500	28,500	28,500	72.0	230.9	17,800	17,800	17,800	65.3	202.5	12,100	12,100	12,100	75
125	120	80	74.8	244.7	27,100	27,100	27,100	69.4	225.9	16,500	16,500	16,600	62.3	194.6	11,500	11,500	11,500	80
125	120	85	73.6	243.1	25,800	25,700	25,700	66.7	220.3	15,400	15,400	15,400	59.1	185.8	10,900	10,900	10,900	85
125	120	90	72.3	241.5	24,500	24,500	24,500	63.9	214.1	14,400	14,400	14,400	55.8	175.9	10,300	10,300	10,300	90
125	120	100	69.9	237.4	22,400	22,400	22,400	61.1	207.1	13,500	13,500	13,500	52.3	164.8	9,800	9,800	9,800	100
125	120	110	67.3	233.0	20,500	20,500	20,500	58.2	199.4	12,700	12,700	12,700	49.3	152.1	9,400	9,400	9,400	110
125	120	120	64.8	228.0	18,900	18,900	18,900	55.1	190.9	11,900	11,900	12,000	46.3	137.5	9,000	9,000	9,000	120
125	120	130	62.1	222.5	17,500	17,500	17,500	51.9	181.3	11,300	11,300	11,300	43.8	120.1	8,700	8,700	8,700	130
125	120	140	59.4	216.3	16,200	16,200	16,200	48.5	170.6	10,700	10,700	10,700	41.2	108.0	8,400	8,400	8,400	140
125	120	150	56.6	209.5	15,100	15,100	15,100	45.1	158.4	10,100	10,100	10,100	38.9	98.3	8,200	8,200	8,200	150
125	120	160	53.7	201.9	14,100	14,100	14,100	42.5	144.4	9,600	9,600	9,600	36.2	87.5	8,000	8,000	8,000	160
125	120	170	50.7	193.4	13,200	13,200	13,200	40.8	128.0	9,200	9,200	9,200	33.9	77.9	7,900	7,900	7,900	170
125	120	180	47.5	184.0	12,400	12,400	12,400	38.4	108.0	8,800	8,800	8,800	31.1	67.5	7,800	7,800	7,800	180
125	120	190	44.2	173.4	11,700	11,700	11,700	36.4	91.3	8,500	8,500	8,500	28.2	57.5	7,700	7,700	7,700	190
125	120	200	40.6	161.5	11,000	11,000	11,000	34.8	74.5	8,300	8,300	8,300	26.2	47.5	7,600	7,600	7,600	200
125	120	210	36.7	147.8	10,400	10,400	10,400	33.1	61.3	8,100	8,100	8,100	24.3	37.7	7,500	7,500	7,500	210
125	120	220	32.3	131.8	9,900	9,900	9,900	31.1	48.1	8,000	8,000	8,000	22.3	27.9	7,400	7,400	7,400	220
125	120	230	27.3	112.5	9,400	9,400	9,400	29.5	33.7	7,900	7,900	7,900	20.3	18.1	7,300	7,300	7,300	230
125	120	240	21.1	87.5	8,900	8,900	8,900	27.5	23.7	7,800	7,800	7,800	18.1	9.0	7,200	7,200	7,200	240
125	120	250	11.4	46.7	8,500	8,500	8,500	25.5	11.7	7,700	7,700	7,700	16.1	6.0	7,100	7,100	7,100	250
125	120	260	8.0	26.7	8,100	8,100	8,100	23.5	6.0	7,600	7,600	7,600	14.1	3.0	7,000	7,000	7,000	260
125	120	270	5.5	16.6	7,700	7,700	7,700	21.5	3.0	7,500	7,500	7,500	12.1	0.0	6,900	6,900	6,900	270
125	140	54.13	82.0	271.8	27,500	27,500	27,500	81.4	263.5	19,800	19,800	19,800	81.7	252.4	12,100	12,100	12,100	54.13
125	140	55	81.8	271.6	27,500	27,500	27,500	80.3	261.9	19,300	19,300	19,300	79.4	248.2	12,100	12,100	12,100	55
125	140	60.7	80.7	270.6	27,300	27,300	27,300	79.1	260.3	18,500	18,500	17,000	77.0	243.6	12,100	12,100	12,100	60.7
125	140	65	79.6	269.5	27,200	27,200	26,600	76.9	256.7	17,000	17,000	17,000	74.5	238.4	12,100	12,100	12,100	65
125	140	70	78.5	268.3	26,600	26,600	25,200	74.5	252.6	15,700	15,700	15,700	72.0	232.7	11,800	11,800	11,800	70
125	140	75	77.4	267.0	25,200	25,200	24,000	72.2	248.1	14,500	14,500	14,500	69.4	226.4	11,100	11,100	11,100	75
125	140	80	76.3	265.6	24,000	24,000	22,800	69.8	243.0	13,500	13,500	13,500	66.7	219.4	10,400	10,400	10,400	80
125	140	85	75.2	264.1	22,800	22,800	21,800	67.3	237.4	12,500	12,500	12,500	64.0	211.6	9,800	9,800	9,800	85
125	140	90	74.1	262.5	21,800	21,800	20,900	64.8	231.2	11,700	11,700	11,700	61.1	203.1	9,200	9,200	9,200	90
125	140	100	71.8	258.9	19,900	19,900	18,200	62.1	224.4	10,900	10,900	10,900	58.1	193.6	8,700	8,700	8,700	100
125	140	110	69.5	254.9	18,200	18,200	16,700	59.5	216.8	10,300	10,300	10,300	55.9	183.1	8,500	8,500	8,500	110
125	140	120	67.2	250.3	16,700	16,700	15,400	57.7	208.5	9,100	9,100	9,100	53.7	177.7	8,100	8,100	8,100	120
125	140	130	64.8	245.3	15,400	15,400	14,300	56.7	205.5	8,100	8,100	8,100	51.5	171.2	7,400	7,400	7,400	130
125	140	140	63.0	239.8	14,300	14,300	13,200	55.1	200.8	7,600	7,600	7,600	49.3	157.8	7,100	7,100	7,100	140
125	140	150	59.8	233.6	13,200	13,200	12,300	53.7	198.1	7,000	7,000	7,000	47.9	142.2	6,700	6,700	6,700	150
125	140	160	57.2	226.9	12,300	12,300	11,500	51.5	189.1	6,600	6,600	6,600	45.8	123.8	6,500	6,500	6,500	160
125	140	170	54.6	219.4	11,500	11,500	10,700	49.3	181.1	6,300	6,300	6,300	43.8	100.7	6,200	6,200	6,200	170
125	140	180	51.8	211.2	10,800	10,800	10,100	47.4	177.7	6,000	6,000	6,000	41.2	77.9	6,100	6,100	6,100	180
125	140	190	48.9	202.1	10,100	10,100	9,400	45.1	171.2	5,700	5,700	5,700	39.2	62.0	6,000	6,000	6,000	190
125	140	200	45.9	192.1	9,400	9,400	8,900	43.9	164.8	5,500	5,500	5,500	37.7	51.0	5,900	5,900	5,900	200
125	140	210	42.7	180.8	8,900	8,900	8,400	41.2	150.0	5,300	5,300	5,300	35.7	41.0	5,800	5,800	5,800	210
125	140	220	39.2	168.2	8,400	8,400	8,000	39.2	141.7	5,100	5,100	5,100	33.7	31.0	5,700	5,700	5,700	220
125	140	230	35.5	153.8	7,900	7,900	7,400	37.7	133.7	4,900	4,900	4,900	31.1	21.0	5,600	5,600	5,600	230
125	140	240	31.3	137.0	7,400	7,400	7,000	35.7	111.7	4,700	4,700	4,700	29.5	11.0	5,500	5,500	5,500	240
125	140	250	26.5	116.8	7,000	7,000	6,600	33.7	83.7	4,500	4,500	4,500	27.5	6.0	5,400	5,400	5,400	250
125	140	260	20.5	90.6	6,700	6,700	6,400	31.1	63.7	4,300	4,300	4,300	25.5	3.0	5,300	5,300	5,300	260
125	140	270	11.2	48.1	6,400	6,400	6,100	29.5	48.1	4,100	4,100	4,100	23.5	0.0	5,200	5,200	5,200	270



348 HYLAB 5 - w/ 80" x 95" Heavy Duty & 68" x 80" Long Range Boom, w/ 39" x 48" Tubular Jib, w/ 221.1K+75K Cwt  
Refer to the Tubular Jib Notes for Long Range Boom in this Crane Rating Manual before operating the crane.

Boom Length (ft)	Jib Length (ft)	Jib Load Radius (ft)	Boom Angle (deg)	Jib Point Height (ft)	5 Degrees			15 Degrees			25 Degrees			Jib Load Radius (ft)
					Jib Capacity (lbs)			Jib Capacity (lbs)			Jib Capacity (lbs)			
					Over End Blocked	Extended	Retracted	Over End Blocked	Extended	Retracted	Over End Blocked	Extended	Retracted	
135	40	33.03	82.0	184.2	92,000	92,000	92,000	67,900	67,900	67,900	80.6	177.8	42,400	33.03
135	40	35	81.4	183.9	89,000	89,000	89,000	63,800	63,800	63,800	78.9	176.3	42,400	35
135	40	40	79.7	183.0	82,200	82,200	82,200	60,200	60,200	60,200	80.6	177.8	42,400	40
135	40	45	78.1	181.9	77,400	77,400	77,400	56,900	56,900	56,900	77.2	174.8	42,400	45
135	40	50	76.4	180.7	72,200	72,200	72,200	54,000	54,000	54,000	75.5	173.0	42,400	50
135	40	55	74.8	179.3	67,600	67,600	67,600	51,400	51,400	51,400	73.7	171.1	42,400	55
135	40	60	73.1	177.7	63,500	63,500	63,500	49,000	49,000	49,000	71.9	169.0	42,400	60
135	40	65	71.4	176.0	59,900	59,900	59,900	46,800	46,800	46,800	70.1	166.7	40,000	65
135	40	70	69.7	174.1	56,700	56,700	56,700	44,900	44,900	44,900	68.5	164.3	39,300	70
135	40	75	67.9	172.1	53,800	53,800	53,800	43,100	43,100	43,100	66.5	161.6	38,000	75
135	40	80	66.2	169.9	51,200	51,200	51,200	41,400	41,400	41,400	62.7	156.6	35,600	80
135	40	85	64.4	167.4	48,800	48,800	48,800	39,200	39,200	39,200	58.7	148.6	33,600	85
135	40	90	62.6	164.8	46,600	46,600	46,600	36,600	36,600	36,600	54.5	140.6	31,800	90
135	40	100	58.8	158.9	42,800	42,800	42,800	32,400	32,400	32,400	50.0	131.2	30,200	100
135	40	110	55.0	152.1	40,100	40,100	40,100	29,100	29,100	29,100	45.1	120.1	28,900	110
135	40	120	50.9	144.3	37,600	37,600	37,600	27,700	27,700	27,700	39.7	106.8	27,700	120
135	40	130	46.5	135.1	35,100	35,100	35,100	26,500	26,500	26,500	33.4	90.1	26,700	130
135	40	140	41.8	124.4	32,900	32,900	32,900	25,500	25,500	25,500	25.3	67.4	25,900	140
135	40	150	36.6	111.7	31,000	31,000	31,000	24,700	24,700	24,700				150
135	40	160	30.6	96.0	29,200	29,200	29,200	23,900	23,900	23,900				160
135	40	170	23.2	75.3	27,700	27,700	27,700	23,200	23,200	23,200				170
135	40	180	11.9	41.4	26,400	26,400	26,400	22,700	22,700	22,700				180
135	60	37.53	82.0	203.7	69,200	69,200	69,200	46,200	46,200	46,200	81.0	194.6	28,200	37.53
135	60	40	81.3	203.3	67,400	67,400	67,400	45,100	45,100	45,100	79.5	193.1	28,200	40
135	60	45	79.8	202.3	62,500	62,500	62,500	42,800	42,800	42,800	77.9	191.4	28,200	45
135	60	50	78.3	201.2	58,300	58,300	58,300	40,700	40,700	40,700	76.3	189.5	28,200	50
135	60	55	76.8	200.0	54,600	54,600	54,600	38,000	38,000	38,000	74.7	187.5	28,200	55
135	60	60	75.3	198.6	51,300	51,300	51,300	36,400	36,400	36,400	73.1	185.3	28,200	60
135	60	65	73.8	197.1	48,400	48,400	48,400	34,900	34,900	34,900	71.5	183.0	28,200	65
135	60	70	72.3	195.4	45,800	45,800	45,800	33,500	33,500	33,500	68.9	180.6	28,200	70
135	60	75	70.8	193.6	43,400	43,400	43,400	31,000	31,000	31,000	67.2	177.7	27,700	75
135	60	80	69.2	191.6	41,200	41,200	41,200	29,000	29,000	29,000	64.7	174.7	27,700	80
135	60	85	67.6	189.5	40,300	40,300	40,300	27,000	27,000	27,000	61.2	164.9	24,600	85
135	60	90	66.1	187.2	38,500	38,500	38,500	25,400	25,400	25,400	57.4	157.0	23,300	90
135	60	100	62.8	182.1	35,200	35,200	35,200	24,000	24,000	24,000	53.4	148.0	22,200	100
135	60	110	59.5	176.2	32,500	32,500	32,500	22,700	22,700	22,700	49.2	137.5	21,200	110
135	60	120	56.0	169.5	30,100	30,100	30,100	21,600	21,600	21,600	44.5	125.4	20,300	120
135	60	130	52.4	161.9	28,000	28,000	28,000	20,600	20,600	20,600	39.3	110.8	19,600	130
135	60	140	48.5	153.2	26,200	26,200	26,200	19,700	19,700	19,700	33.2	92.6	19,000	140
135	60	150	44.4	143.2	24,600	24,600	24,600	18,900	18,900	18,900	25.3	67.5	18,500	150
135	60	160	40.0	131.6	23,200	23,200	23,200	18,500	18,500	18,500				160
135	60	170	35.1	117.8	21,900	21,900	21,900	18,500	18,500	18,500				170
135	60	180	29.4	101.0	20,800	20,800	20,800	18,500	18,500	18,500				180
135	60	190	22.5	79.0	19,800	19,800	19,800	18,500	18,500	18,500				190
135	60	200	11.7	43.0	18,900	18,900	18,900	18,900	18,900	18,900				200

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348 HYLAB 5 - w/ 80" x 95" Heavy Duty & 68" x 80" Long Range Boom, w/ 39" x 48" Tubular Jib, w/ 221.1K+75K Cwt  
Refer to the Tubular Jib Notes for Long Range Boom in this Crane Rating Manual before operating the crane.

Boom Length (ft)	Jib Length (ft)	Jib Load Radius (ft)	Boom Angle (deg)	Jib Point Height (ft)	5 Degrees			15 Degrees			25 Degrees			Jib Load Radius (ft)	
					Over End Blocked	Curve 11	Curve 12	Over End Blocked	Curve 34	Curve 35	Over End Blocked	Curve 11	Curve 12		
															360°
			Retracted			Retracted			Retracted						
135	80	42.03	82.0	223.2	54,800	54,800	54,800	34,600	34,600	34,600	81.6	228.6	16,900	16,900	46.53
135	80	45	81.2	222.7	52,600	52,600	52,600	34,600	34,600	34,600	80.3	228.9	16,900	16,900	50
135	80	50	79.9	221.7	49,100	49,100	49,100	34,600	34,600	34,600	79.0	228.0	16,900	16,900	55
135	80	55	78.5	220.6	46,000	46,000	46,000	34,600	34,600	34,600	78.6	228.9	16,900	16,900	60
135	80	60	77.2	219.3	43,300	43,300	43,300	34,600	34,600	34,600	77.9	228.0	16,900	16,900	65
135	80	65	75.8	218.0	40,800	40,800	40,800	34,600	34,600	34,600	77.3	228.0	16,900	16,900	70
135	80	70	74.4	216.5	39,600	39,600	39,600	34,600	34,600	34,600	76.9	228.0	16,900	16,900	75
135	80	75	73.1	214.8	37,600	37,600	37,600	34,600	34,600	34,600	76.6	228.0	16,900	16,900	80
135	80	80	71.7	213.1	35,700	35,700	35,700	34,600	34,600	34,600	75.2	228.0	16,900	16,900	85
135	80	85	70.3	211.1	34,000	34,000	34,000	34,600	34,600	34,600	75.6	228.0	16,900	16,900	90
135	80	90	68.8	209.1	32,400	32,400	32,400	34,600	34,600	34,600	75.6	228.0	16,900	16,900	100
135	80	100	66.0	204.6	29,600	29,600	29,600	34,600	34,600	34,600	72.6	228.0	16,900	16,900	110
135	80	110	63.0	199.4	27,300	27,300	27,300	34,600	34,600	34,600	69.6	228.0	16,900	16,900	120
135	80	120	60.0	193.5	25,200	25,200	25,200	34,600	34,600	34,600	66.5	228.0	16,900	16,900	130
135	80	130	56.8	186.9	23,400	23,400	23,400	34,600	34,600	34,600	63.2	228.0	16,900	16,900	140
135	80	140	53.6	179.5	21,900	21,900	21,900	34,600	34,600	34,600	59.8	228.0	16,900	16,900	150
135	80	150	50.1	171.1	20,500	20,500	20,500	34,600	34,600	34,600	56.3	228.0	16,900	16,900	160
135	80	160	46.5	161.6	19,300	19,300	19,300	34,600	34,600	34,600	52.5	228.0	16,900	16,900	170
135	80	170	42.6	150.8	18,200	18,200	18,200	34,600	34,600	34,600	48.5	228.0	16,900	16,900	180
135	80	180	38.4	138.3	17,200	17,200	17,200	34,600	34,600	34,600	44.0	228.0	16,900	16,900	190
135	80	190	33.8	123.6	16,300	16,300	16,300	34,600	34,600	34,600	39.0	228.0	16,900	16,900	200
135	80	200	28.4	105.8	15,500	15,500	15,500	34,600	34,600	34,600	33.1	228.0	16,900	16,900	210
135	80	210	21.8	82.5	14,700	14,700	14,700	34,600	34,600	34,600	25.3	228.0	16,900	16,900	220
135	80	220	11.4	44.6	14,100	14,100	14,100	34,600	34,600	34,600	67.6	228.0	16,900	16,900	230
135	100	46.53	82.0	242.7	44,200	44,200	44,200	27,700	27,700	27,700	81.6	228.6	16,900	16,900	240
135	100	50	81.2	242.1	42,200	42,200	42,200	27,700	27,700	27,700	80.3	228.9	16,900	16,900	250
135	100	55	79.9	241.0	40,200	40,200	40,200	27,700	27,700	27,700	79.0	228.0	16,900	16,900	260
135	100	60	78.7	239.9	38,400	38,400	38,400	27,700	27,700	27,700	78.6	228.9	16,900	16,900	270
135	100	65	77.5	238.7	36,200	36,200	36,200	27,700	27,700	27,700	77.9	228.0	16,900	16,900	280
135	100	70	76.2	237.3	34,300	34,300	34,300	27,700	27,700	27,700	77.3	228.0	16,900	16,900	290
135	100	75	75.0	235.8	32,500	32,500	32,500	27,700	27,700	27,700	76.9	228.0	16,900	16,900	300
135	100	80	73.7	234.2	30,900	30,900	30,900	27,700	27,700	27,700	76.6	228.0	16,900	16,900	310
135	100	85	72.4	232.5	29,400	29,400	29,400	27,700	27,700	27,700	76.6	228.0	16,900	16,900	320
135	100	90	71.1	230.6	28,000	28,000	28,000	27,700	27,700	27,700	76.2	228.0	16,900	16,900	330
135	100	100	68.5	226.5	25,600	25,600	25,600	27,700	27,700	27,700	73.6	228.0	16,900	16,900	340
135	100	110	65.9	221.9	23,500	23,500	23,500	27,700	27,700	27,700	70.8	228.0	16,900	16,900	350
135	100	120	63.2	216.7	21,700	21,700	21,700	27,700	27,700	27,700	67.9	228.0	16,900	16,900	360
135	100	130	60.4	210.8	20,100	20,100	20,100	27,700	27,700	27,700	65.0	228.0	16,900	16,900	370
135	100	140	57.5	204.3	18,700	18,700	18,700	27,700	27,700	27,700	61.9	228.0	16,900	16,900	380
135	100	150	54.5	197.0	17,500	17,500	17,500	27,700	27,700	27,700	58.7	228.0	16,900	16,900	390
135	100	160	51.4	188.9	16,400	16,400	16,400	27,700	27,700	27,700	55.3	228.0	16,900	16,900	400
135	100	170	48.2	179.8	15,400	15,400	15,400	27,700	27,700	27,700	51.7	228.0	16,900	16,900	410
135	100	180	44.8	169.6	14,500	14,500	14,500	27,700	27,700	27,700	47.8	228.0	16,900	16,900	420
135	100	190	41.1	158.0	13,700	13,700	13,700	27,700	27,700	27,700	43.5	228.0	16,900	16,900	430
135	100	200	37.1	144.7	13,000	13,000	13,000	27,700	27,700	27,700	38.7	228.0	16,900	16,900	440
135	100	210	32.6	129.2	12,300	12,300	12,300	27,700	27,700	27,700	33.0	228.0	16,900	16,900	450
135	100	220	27.5	110.3	11,700	11,700	11,700	27,700	27,700	27,700	25.3	228.0	16,900	16,900	460
135	100	230	21.1	85.9	11,200	11,200	11,200	27,700	27,700	27,700	67.7	228.0	16,900	16,900	470
135	100	240	11.3	46.0	10,700	10,700	10,700	27,700	27,700	27,700	67.7	228.0	16,900	16,900	480

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348 HYLAB 5 - w/ 80" x 95" Heavy Duty & 68" x 80" Long Range Boom, w/ 39" x 48" Tubular Jib, w/ 221.1K+75K Cwt  
Refer to the Tubular Jib Notes for Long Range Boom in this Crane Rating Manual before operating the crane.

Boom Length (ft)	Jib Length (ft)	Jib Load Radius (ft)	Boom Angle (deg)	Jib Point Height (ft)	5 Degrees			15 Degrees			25 Degrees			Jib Load Radius (ft)
					Jib Capacity (lbs)			Jib Capacity (lbs)			Jib Capacity (lbs)			
					Over End Blocked	Extended	Retracted	Over End Blocked	Extended	Retracted	Over End Blocked	Extended	Retracted	
135	120	51.03	82.0	262.2	34,900	34,900	34,900	23,100	23,100	23,100	14,100	14,100	14,100	51.03
135	120	55	81.1	261.4	34,500	34,400	34,400	22,700	22,700	22,700	14,100	14,100	14,100	55
135	120	60	80.0	260.4	33,600	33,600	33,600	21,700	21,700	21,700	14,100	14,100	14,100	60
135	120	65	78.8	259.3	31,700	31,700	31,700	20,800	20,800	20,800	14,100	14,100	14,100	65
135	120	70	77.7	258.0	30,000	30,000	30,000	19,200	19,200	19,200	14,100	14,100	14,100	70
135	120	75	76.5	256.6	28,500	28,500	28,500	17,700	17,700	17,700	14,100	14,100	14,100	75
135	120	80	75.4	255.2	27,100	27,100	27,100	16,500	16,500	16,500	14,100	14,100	14,100	80
135	120	85	74.2	253.6	25,800	25,800	25,800	15,300	15,300	15,300	14,100	14,100	14,100	85
135	120	90	73.0	251.9	24,600	24,600	24,600	14,300	14,300	14,300	14,100	14,100	14,100	90
135	120	100	70.7	248.2	22,400	22,400	22,400	12,700	12,700	12,700	14,100	14,100	14,100	100
135	120	110	68.3	244.0	20,600	20,600	20,600	11,400	11,400	11,400	14,100	14,100	14,100	110
135	120	120	65.8	239.2	19,000	19,000	19,000	10,200	10,200	10,200	14,100	14,100	14,100	120
135	120	130	63.3	234.0	17,500	17,500	17,500	9,100	9,100	9,100	14,100	14,100	14,100	130
135	120	140	60.7	228.1	16,300	16,300	16,300	8,200	8,200	8,200	14,100	14,100	14,100	140
135	120	150	58.1	221.7	15,200	15,200	15,200	7,400	7,400	7,400	14,100	14,100	14,100	150
135	120	160	55.4	214.5	14,200	14,200	14,200	6,600	6,600	6,600	14,100	14,100	14,100	160
135	120	170	52.5	206.6	13,300	13,300	13,300	5,900	5,900	5,900	14,100	14,100	14,100	170
135	120	180	49.6	197.8	12,400	12,400	12,400	5,400	5,400	5,400	14,100	14,100	14,100	180
135	120	190	46.5	188.1	11,700	11,700	11,700	4,900	4,900	4,900	14,100	14,100	14,100	190
135	120	200	43.2	177.2	11,000	11,000	11,000	4,400	4,400	4,400	14,100	14,100	14,100	200
135	120	210	39.7	164.9	10,400	10,400	10,400	3,900	3,900	3,900	14,100	14,100	14,100	210
135	120	220	35.9	150.8	9,900	9,900	9,900	3,400	3,400	3,400	14,100	14,100	14,100	220
135	120	230	31.6	134.5	9,300	9,300	9,300	2,900	2,900	2,900	14,100	14,100	14,100	230
135	120	240	26.7	114.7	8,500	8,500	8,500	2,400	2,400	2,400	14,100	14,100	14,100	240
135	120	250	20.6	89.1	8,500	8,500	8,500	1,900	1,900	1,900	14,100	14,100	14,100	250
135	120	260	11.1	47.5	8,100	8,100	8,100	1,400	1,400	1,400	14,100	14,100	14,100	260
135	140	55.53	82.0	281.7	27,200	27,200	27,200	19,800	19,800	19,800	12,100	12,100	12,100	55.53
135	140	60	81.1	280.8	27,100	27,100	27,100	19,100	19,100	19,100	12,100	12,100	12,100	60
135	140	65	80.0	279.8	26,900	26,900	26,900	18,300	18,300	18,300	12,100	12,100	12,100	65
135	140	70	79.0	278.6	26,500	26,500	26,500	17,600	17,600	17,600	12,100	12,100	12,100	70
135	140	75	77.9	277.3	25,200	25,200	25,200	16,800	16,800	16,800	12,100	12,100	12,100	75
135	140	80	76.8	276.0	24,000	24,000	24,000	15,500	15,500	15,500	12,100	12,100	12,100	80
135	140	85	75.8	274.5	22,800	22,800	22,800	14,400	14,400	14,400	12,100	12,100	12,100	85
135	140	90	74.7	273.0	21,800	21,800	21,800	13,400	13,400	13,400	12,100	12,100	12,100	90
135	140	100	72.5	269.5	19,900	19,900	19,900	12,400	12,400	12,400	12,100	12,100	12,100	100
135	140	110	70.3	265.7	18,200	18,200	18,200	11,600	11,600	11,600	12,100	12,100	12,100	110
135	140	120	68.0	261.4	16,700	16,700	16,700	10,900	10,900	10,900	12,100	12,100	12,100	120
135	140	130	65.8	256.6	15,400	15,400	15,400	10,200	10,200	10,200	12,100	12,100	12,100	130
135	140	140	63.4	251.3	14,300	14,300	14,300	9,600	9,600	9,600	12,100	12,100	12,100	140
135	140	150	61.0	245.4	13,300	13,300	13,300	9,100	9,100	9,100	12,100	12,100	12,100	150
135	140	160	58.6	239.0	12,300	12,300	12,300	8,600	8,600	8,600	12,100	12,100	12,100	160
135	140	170	56.1	232.0	11,500	11,500	11,500	8,100	8,100	8,100	12,100	12,100	12,100	170
135	140	180	53.5	224.2	10,700	10,700	10,700	7,600	7,600	7,600	12,100	12,100	12,100	180
135	140	190	50.8	215.7	10,100	10,100	10,100	7,200	7,200	7,200	12,100	12,100	12,100	190
135	140	200	47.9	206.4	9,400	9,400	9,400	6,800	6,800	6,800	12,100	12,100	12,100	200
135	140	210	45.0	196.0	8,900	8,900	8,900	6,500	6,500	6,500	12,100	12,100	12,100	210
135	140	220	41.8	184.4	8,300	8,300	8,300	6,200	6,200	6,200	12,100	12,100	12,100	220
135	140	230	38.5	171.5	7,900	7,900	7,900	5,900	5,900	5,900	12,100	12,100	12,100	230
135	140	240	34.8	156.7	7,400	7,400	7,400	5,600	5,600	5,600	12,100	12,100	12,100	240
135	140	250	30.7	139.5	7,000	7,000	7,000	5,300	5,300	5,300	12,100	12,100	12,100	250
135	140	260	26.0	118.9	6,600	6,600	6,600	5,000	5,000	5,000	12,100	12,100	12,100	260
135	140	270	20.1	92.2	6,300	6,300	6,300	4,700	4,700	4,700	12,100	12,100	12,100	270
135	140	280	10.9	48.8	6,000	6,000	6,000	4,400	4,400	4,400	12,100	12,100	12,100	280

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348 HYLAB 5 - w/ 80" x 95" Heavy Duty & 68" x 80" Long Range Boom, w/ 39" x 48" Tubular Jib, w/ 221.1K+75K Cwt  
Refer to the Tubular Jib Notes for Long Range Boom in this Crane Rating Manual before operating the crane.

Boom Length (ft)	Jib Length (ft)	Jib Load Radius (ft)	Boom Angle (deg)	Jib Point Height (ft)	5 Degrees			15 Degrees			25 Degrees			Jib Load Radius (ft)
					Jib Capacity (lbs)			Jib Capacity (lbs)			Jib Capacity (lbs)			
					Over End Blocked	Curve 11	Curve 12	Over End Blocked	Curve 34	Curve 35	Over End Blocked	Curve 11	Curve 12	
145	40	34.42	82.0	194.1	88,700	88,700	88,700	63,600	63,600	63,600	42,400	42,400	42,400	34.42
145	40	35	81.8	194.1	88,800	88,900	88,900	60,000	60,100	60,100	42,400	42,400	42,400	35
145	40	40	80.3	193.2	82,200	82,200	82,200	60,000	60,100	60,100	42,400	42,400	42,400	40
145	40	45	78.7	192.2	77,600	77,600	77,600	56,900	56,900	56,900	42,400	42,400	42,400	45
145	40	50	77.2	191.0	72,400	72,400	72,400	54,000	54,000	54,000	42,400	42,400	42,400	50
145	40	55	75.6	189.7	67,900	67,900	67,900	51,400	51,400	51,400	42,400	42,400	42,400	55
145	40	60	74.0	188.2	63,900	63,900	63,900	49,100	49,100	49,100	42,400	42,400	42,400	60
145	40	65	72.4	186.6	60,300	60,300	60,300	46,900	46,900	46,900	41,400	41,400	41,400	65
145	40	70	70.8	184.8	57,100	57,100	57,100	45,000	45,000	45,000	40,000	40,000	40,000	70
145	40	75	69.2	182.9	54,200	54,200	54,200	43,200	43,200	43,200	39,300	39,300	39,300	75
145	40	80	67.5	180.8	51,600	51,600	51,600	41,500	41,500	41,500	37,900	37,900	37,900	80
145	40	85	65.8	178.6	49,200	49,200	49,200	39,400	39,400	39,400	36,600	36,600	36,600	85
145	40	90	64.2	176.1	47,000	47,000	47,000	38,800	38,800	38,800	35,500	35,500	35,500	90
145	40	100	60.7	170.6	43,200	43,200	43,200	36,800	36,800	36,800	33,600	33,600	33,600	100
145	40	110	57.1	164.4	40,000	40,000	40,000	34,500	34,500	34,500	31,800	31,800	31,800	110
145	40	120	53.3	157.1	38,000	38,000	38,000	32,500	32,500	32,500	30,200	30,200	30,200	120
145	40	130	49.4	148.8	35,500	35,500	35,500	30,700	30,700	30,700	28,800	28,800	28,800	130
145	40	140	45.2	139.3	33,200	33,200	33,200	29,100	29,100	29,100	27,600	27,600	27,600	140
145	40	150	40.6	128.1	31,300	31,300	31,300	27,700	27,700	27,700	26,500	26,500	26,500	150
145	40	160	35.6	114.8	29,500	29,500	29,500	26,500	26,500	26,500	25,600	25,600	25,600	160
145	40	170	29.8	98.6	27,900	28,000	28,000	25,500	25,500	25,500	25,600	25,600	25,600	170
145	40	180	22.6	77.2	26,500	26,500	26,500	25,400	25,400	25,400	25,600	25,600	25,600	180
145	40	190	11.5	42.4	25,300	25,300	25,300	25,400	25,400	25,400	25,600	25,600	25,600	190
145	60	38.92	82.0	213.6	68,200	68,300	68,300	46,200	46,200	46,200	28,200	28,200	28,200	38.92
145	60	40	81.7	213.5	67,300	67,300	67,300	45,000	45,000	45,000	28,200	28,200	28,200	40
145	60	45	80.3	212.5	62,600	62,600	62,600	42,700	42,700	42,700	28,200	28,200	28,200	45
145	60	50	78.9	211.5	58,500	58,500	58,500	40,700	40,700	40,700	28,200	28,200	28,200	50
145	60	55	77.5	210.3	54,800	54,800	54,800	39,800	39,800	39,800	28,200	28,200	28,200	55
145	60	60	76.1	209.0	51,600	51,600	51,600	38,800	38,800	38,800	28,200	28,200	28,200	60
145	60	65	74.6	207.6	48,700	48,600	48,600	38,000	38,000	38,000	28,200	28,200	28,200	65
145	60	70	73.2	206.0	46,000	46,000	46,000	37,000	37,000	37,000	28,200	28,200	28,200	70
145	60	75	71.7	204.3	43,700	43,700	43,700	36,400	36,400	36,400	28,200	28,200	28,200	75
145	60	80	70.3	202.4	41,500	41,500	41,500	35,900	35,900	35,900	28,200	28,200	28,200	80
145	60	85	68.8	200.4	39,900	40,300	40,300	34,900	34,900	34,900	28,200	28,200	28,200	85
145	60	90	67.3	198.2	38,800	38,800	38,800	34,100	34,100	34,100	28,200	28,200	28,200	90
145	60	100	64.2	193.4	35,600	35,600	35,600	33,100	33,100	33,100	27,600	27,600	27,600	100
145	60	110	61.1	187.9	32,800	32,800	32,800	31,100	31,100	31,100	26,000	26,000	26,000	110
145	60	120	57.9	181.7	30,400	30,400	30,400	29,000	29,000	29,000	24,600	24,600	24,600	120
145	60	130	54.5	174.6	28,300	28,300	28,300	27,100	27,100	27,100	23,300	23,300	23,300	130
145	60	140	51.0	166.6	26,500	26,500	26,500	25,500	25,500	25,500	22,200	22,200	22,200	140
145	60	150	47.2	157.5	24,800	24,800	24,800	24,000	24,000	24,000	21,100	21,100	21,100	150
145	60	160	43.3	147.1	23,400	23,400	23,400	22,800	22,800	22,800	20,300	20,300	20,300	160
145	60	170	39.0	135.0	22,100	22,100	22,100	21,800	21,800	21,800	19,500	19,500	19,500	170
145	60	180	34.2	120.8	21,000	21,000	21,000	20,600	20,600	20,600	18,800	18,800	18,800	180
145	60	190	28.7	103.5	19,900	19,900	19,900	19,700	19,700	19,700	18,800	18,800	18,800	190
145	60	200	21.9	80.8	18,000	18,000	18,000	18,900	18,900	18,900	18,200	18,200	18,200	200
145	60	210	11.3	43.9	18,100	18,100	18,100	18,200	18,200	18,200	18,200	18,200	18,200	210

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348 HYLAB 5 - w/ 80" x 95" Heavy Duty & 68" x 80" Long Range Boom, w/ 39" x 48" Tubular Jib, w/ 221.1K+75K Cwt  
Refer to the Tubular Jib Notes for Long Range Boom in this Crane Rating Manual before operating the crane.

Boom Length (ft)	Jib Length (ft)	Jib Load Radius (ft)	Boom Angle (deg)	Jib Point Height (ft)	5 Degrees			15 Degrees			25 Degrees			Jib Load Radius (ft)	
					Jib Capacity (lbs)			Jib Capacity (lbs)			Jib Capacity (lbs)				
					Over End Blocked	Extended	Retracted	Over End Blocked	Extended	Retracted	Over End Blocked	Extended	Retracted		
145	80	43.92	82.0	233.1	53,600	53,700	53,600	34,600	34,600	34,600	81.7	222.0	21,200	21,200	43.42
145	80	45	81.6	232.8	52,500	52,500	52,500	33,100	33,100	33,100	80.4	220.4	21,200	21,200	45
145	80	50	80.3	231.9	49,100	49,100	49,100	31,600	31,600	31,600	79.0	218.7	21,200	21,200	50
145	80	55	79.0	230.8	46,100	46,100	46,100	30,300	30,300	30,300	77.7	216.8	21,200	21,200	55
145	80	60	77.7	229.6	43,400	43,400	43,400	29,000	29,000	29,000	76.3	214.8	21,200	21,200	60
145	80	65	76.5	228.3	40,900	40,900	40,900	27,800	27,800	27,800	75.0	212.9	21,200	21,200	65
145	80	70	75.1	226.9	39,900	39,900	39,900	26,600	26,600	26,600	73.2	211.9	21,200	21,200	70
145	80	75	73.8	225.3	37,800	37,800	37,800	25,500	25,500	25,500	71.2	210.7	21,200	21,200	75
145	80	80	72.5	223.7	35,900	35,900	35,900	24,400	24,400	24,400	69.8	208.9	21,200	21,200	80
145	80	85	71.2	221.9	34,200	34,200	34,200	23,300	23,300	23,300	67.6	207.4	21,200	21,200	85
145	80	90	69.8	219.9	32,600	32,600	32,600	22,200	22,200	22,200	66.6	205.4	21,200	21,200	90
145	80	100	67.1	215.6	29,800	29,800	29,800	21,000	21,000	21,000	64.6	203.4	21,200	21,200	100
145	80	110	64.3	210.7	27,500	27,500	27,500	20,000	20,000	20,000	62.7	201.4	21,200	21,200	110
145	80	120	61.4	205.2	25,400	25,400	25,400	19,900	19,900	19,900	61.5	199.7	21,200	21,200	120
145	80	130	58.5	199.0	23,600	23,600	23,600	19,100	19,100	19,100	60.7	197.1	21,200	21,200	130
145	80	140	55.4	192.1	22,000	22,000	22,000	18,800	18,800	18,800	58.2	186.2	21,200	21,200	140
145	80	150	52.2	184.3	20,600	20,600	20,600	18,600	18,600	18,600	57.1	182.2	21,200	21,200	150
145	80	160	48.9	175.5	19,400	19,400	19,400	17,600	17,600	17,600	54.7	173.4	21,200	21,200	160
145	80	170	45.4	165.7	18,300	18,300	18,300	16,700	16,700	16,700	52.0	163.4	21,200	21,200	170
145	80	180	41.6	154.4	17,300	17,300	17,300	15,900	15,900	15,900	49.4	152.0	21,200	21,200	180
145	80	190	37.5	141.6	16,400	16,400	16,400	15,200	15,200	15,200	47.1	140.4	21,200	21,200	190
145	80	200	33.0	126.5	15,500	15,500	15,500	14,600	14,600	14,600	44.8	128.2	21,200	21,200	200
145	80	210	27.7	108.1	14,800	14,800	14,800	14,000	14,000	14,000	42.7	117.1	21,200	21,200	210
145	80	220	21.2	84.2	14,100	14,100	14,100	13,500	13,500	13,500	32.1	96.8	21,200	21,200	220
145	80	230	11.1	45.4	13,500	13,500	13,500	13,500	13,500	13,500			21,200	21,200	230
145	100	47.92	82.0	252.6	43,300	43,300	43,300	27,700	27,700	27,700	80.7	237.3	16,900	16,900	47.92
145	100	50	81.5	252.2	42,200	42,200	42,200	27,000	27,000	27,000	79.5	235.5	16,900	16,900	50
145	100	55	80.3	251.3	39,600	39,600	39,600	27,700	27,700	27,700	76.9	231.5	16,900	16,900	55
145	100	60	79.2	250.2	36,400	36,400	36,400	27,100	27,100	27,100	74.3	227.0	16,900	16,900	60
145	100	65	78.0	249.0	33,300	33,300	33,300	26,500	26,500	26,500	73.3	224.1	16,900	16,900	65
145	100	70	76.8	247.7	34,400	34,400	34,400	25,900	25,900	25,900	71.7	221.9	16,800	16,800	70
145	100	75	75.6	246.2	32,600	32,600	32,600	25,300	25,300	25,300	70.7	219.9	16,800	16,800	75
145	100	80	74.4	244.7	31,000	31,000	31,000	24,800	24,800	24,800	69.0	216.2	15,800	15,800	80
145	100	85	73.2	243.1	29,500	29,500	29,500	24,300	24,300	24,300	68.1	214.2	15,800	15,800	85
145	100	90	71.9	241.3	28,100	28,100	28,100	23,800	23,800	23,800	66.2	209.8	14,900	14,900	90
145	100	100	69.5	237.4	25,700	25,700	25,700	23,000	22,000	22,000	63.3	202.7	14,100	14,100	100
145	100	110	66.9	233.0	23,600	23,600	23,600	22,400	20,400	20,400	62.7	201.4	14,100	14,100	110
145	100	120	64.4	228.0	21,800	21,800	21,800	21,000	19,000	19,000	60.3	194.9	13,400	13,400	120
145	100	130	61.7	222.5	20,200	20,200	20,200	20,000	18,000	18,000	57.1	186.1	12,800	12,800	130
145	100	140	59.0	216.3	18,800	18,800	18,800	19,700	17,800	17,800	53.8	176.2	12,200	12,200	140
145	100	150	56.2	209.5	17,600	17,600	17,600	18,800	16,700	16,700	50.3	165.1	11,700	11,700	150
145	100	160	53.3	201.9	16,500	16,500	16,500	18,000	15,500	15,500	46.5	152.5	11,200	11,200	160
145	100	170	50.3	193.4	15,500	15,500	15,500	17,000	14,400	14,400	42.3	137.9	10,800	10,800	170
145	100	180	47.1	184.0	14,600	14,600	14,600	16,000	13,300	13,300	37.6	120.5	10,400	10,400	180
145	100	190	43.8	173.4	13,800	13,800	13,800	15,000	12,000	12,000	32.0	98.9	10,100	10,100	190
145	100	200	40.2	161.5	13,000	13,000	13,000	14,000	11,500	11,500					200
145	100	210	36.3	147.8	12,300	12,300	12,300	13,500	11,000	11,000					210
145	100	220	31.9	131.9	11,700	11,700	11,700	13,000	10,500	10,500					220
145	100	230	26.9	112.5	11,200	11,200	11,200	12,500	10,000	10,000					230
145	100	240	20.7	87.5	10,700	10,700	10,700	12,000	9,500	9,500					240
145	100	250	11.0	46.8	10,200	10,200	10,200	11,500	9,000	9,000					250

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348 HYLAB 5 - w/ 80" x 95" Heavy Duty & 68" x 80" Long Range Boom, w/ 39" x 48" Tubular Jib, w/ 221.1K+75K Cwt  
Refer to the Tubular Jib Notes for Long Range Boom in this Crane Rating Manual before operating the crane.

Table with columns: Boom Length (ft), Jib Length (ft), Jib Load Radius (ft), Boom Angle (deg), Jib Point Height (ft), Jib Capacity (lbs) at 360, 15, and 25 degrees, Boom Angle (deg), Jib Point Height (ft), Jib Capacity (lbs) at 360, 15, and 25 degrees, and Jib Load Radius (ft).

Link-Belt Construction Equipment Company  
348HYLAB5



348 HYLAB 5 - w/ 80" x 95" Heavy Duty & 68" x 80" Long Range Boom, w/ 39" x 48" Tubular Jib, w/ 221.1K+75K Cwt  
Refer to the Tubular Jib Notes for Long Range Boom in this Crane Rating Manual before operating the crane.

Boom Length (ft)	Jib Length (ft)	Jib Load Radius (ft)	Jib Angle to Boom										Jib Load Radius (ft)						
			5 Degrees					15 Degrees						25 Degrees					
			Boom Angle (deg)	Jib Point Height (ft)	Over End Blocked	Curve 11	Curve 12	Retracted	Curve 25	Boom Angle (deg)	Jib Point Height (ft)	Over End Blocked		Curve 34	Curve 35	Retracted	Curve 36	Boom Angle (deg)	Jib Point Height (ft)
155	40	35.81	82.0	203.3	82,400	87,400	81.2	201.4	63,400	63,400	81.6	198.3	42,400	42,400	35.81				
155	40	45	80.8	202.4	77,600	77,600	80.1	200.3	59,900	59,900	80.1	197.0	42,400	42,400	40				
155	40	45	79.3	201.3	72,600	72,600	78.3	199.0	56,800	56,800	78.5	195.6	42,400	42,400	45				
155	40	55	77.8	200.0	68,200	68,100	76.8	197.6	54,000	54,000	77.0	194.1	42,400	42,400	50				
155	40	65	76.3	198.7	64,200	64,200	75.2	196.1	51,500	51,400	75.5	192.4	42,400	42,400	55				
155	40	65	74.8	197.1	60,600	60,600	73.7	194.4	49,100	49,100	72.3	188.5	40,300	40,300	60				
155	40	70	73.3	195.5	57,400	57,400	72.2	192.6	47,000	47,000	70.7	186.4	39,200	39,200	65				
155	40	75	71.8	193.6	54,500	54,500	70.6	190.6	45,000	45,100	70.7	184.0	37,900	37,900	70				
155	40	80	70.3	191.7	51,900	51,900	69.0	188.5	43,200	43,300	72.3	182.4	36,600	36,600	75				
155	40	85	68.7	189.5	49,500	49,500	67.4	186.2	41,600	41,600	70.7	180.8	35,600	35,600	80				
155	40	85	66.6	187.3	47,400	47,300	66.2	184.0	39,600	39,600	69.1	180.8	35,600	35,600	85				
155	40	100	62.3	182.1	43,500	43,500	64.2	181.0	36,900	36,900	65.8	178.8	33,500	33,500	90				
155	40	110	59.0	176.3	40,200	40,200	62.4	175.1	34,600	34,600	62.4	172.9	31,700	31,700	100				
155	40	120	55.5	169.6	38,400	38,400	57.3	168.4	32,800	32,800	58.8	166.0	31,700	31,700	110				
155	40	130	51.9	162.0	35,800	35,800	53.6	160.7	32,800	32,600	55.1	158.2	30,200	30,200	120				
155	40	140	48.0	153.3	33,600	33,500	49.8	151.9	30,800	30,800	51.2	149.3	28,700	28,700	130				
155	40	150	43.9	143.2	31,600	31,600	45.6	141.8	29,200	29,200	47.0	143.3	27,500	27,500	140				
155	40	160	39.5	131.6	28,800	28,800	41.2	130.1	27,800	27,800	42.4	126.9	26,400	26,400	150				
155	40	170	34.6	117.9	26,200	26,200	36.2	116.1	25,500	25,500	37.3	112.6	25,400	25,400	160				
155	40	180	29.0	101.1	23,800	23,800	30.4	99.0	23,400	23,400	31.3	94.7	23,400	23,400	170				
155	40	190	22.0	79.1	21,400	21,400	23.2	76.4	20,400	20,400	24.400	76.4	20,400	20,400	180				
155	40	200	11.2	43.3	24,300	24,300	23.2	76.4	24,400	24,400	31.3	94.7	24,600	24,600	190				
155	60	40.31	82.0	223.5	66,900	66,900	80.7	219.2	44,800	44,800	81.9	215.3	28,200	28,200	200				
155	60	45	80.8	222.7	62,600	62,600	79.4	218.0	42,600	42,600	80.5	213.9	28,200	28,200	40.31				
155	60	50	79.4	221.7	58,500	58,500	78.1	216.6	40,600	40,600	79.1	212.3	28,200	28,200	45				
155	60	55	78.1	220.6	55,000	55,000	76.6	215.1	39,800	39,800	77.7	210.7	28,200	28,200	50				
155	60	60	76.7	219.4	51,800	51,800	75.2	213.4	38,100	38,100	76.2	208.9	28,200	28,200	55				
155	60	65	75.4	218.0	48,900	48,900	73.8	211.7	36,500	36,500	74.8	206.9	28,200	28,200	60				
155	60	70	74.0	216.5	46,300	46,300	72.4	209.8	35,000	35,000	73.4	204.8	28,200	28,200	65				
155	60	75	72.6	214.8	43,900	43,900	71.0	207.7	33,600	33,600	72.0	202.7	28,200	28,200	70				
155	60	80	71.2	213.1	41,800	41,800	69.1	205.1	32,200	32,200	70.4	200.2	27,600	27,600	75				
155	60	85	69.8	211.2	39,800	39,800	67.4	202.7	30,900	30,900	68.9	199.9	26,900	26,900	80				
155	60	90	68.4	209.1	38,100	38,100	65.1	200.3	29,100	29,100	67.4	197.9	25,900	25,900	85				
155	60	100	65.5	204.6	35,900	35,900	62.0	192.0	27,200	27,200	64.3	188.9	24,500	24,500	90				
155	60	110	62.6	199.4	33,100	33,100	58.9	185.3	25,600	25,600	61.0	182.1	23,200	23,200	100				
155	60	120	59.5	193.6	30,700	30,600	56.6	183.8	24,100	24,100	58.4	179.4	22,100	22,100	110				
155	60	130	56.4	187.0	28,500	28,500	54.4	181.8	22,800	22,800	55.4	177.8	21,100	21,100	120				
155	60	140	53.1	179.5	26,700	26,700	52.1	178.8	22,800	22,800	52.1	175.5	20,200	20,200	130				
155	60	150	49.7	171.1	25,100	25,100	48.4	177.8	21,700	21,700	50.4	174.5	19,400	19,400	140				
155	60	160	46.1	161.6	23,600	23,600	44.5	171.8	20,800	20,800	46.4	171.8	18,700	18,700	150				
155	60	170	42.2	150.8	22,300	22,300	40.2	168.8	19,700	19,700	42.0	166.0	18,000	18,000	160				
155	60	180	38.0	138.4	21,100	21,100	35.5	156.1	18,100	18,100	37.0	153.6	17,500	17,500	170				
155	60	190	33.3	123.7	20,000	20,000	31.2	148.8	17,400	17,400	31.2	146.7	17,500	17,500	180				
155	60	200	28.0	105.8	19,100	19,100	23.1	148.8	17,400	17,400	23.1	146.7	17,500	17,500	190				
155	60	210	21.3	82.6	18,200	18,200	23.1	148.8	17,400	17,400	23.1	146.7	17,500	17,500	200				
155	60	220	11.0	44.7	17,400	17,400	23.1	148.8	17,400	17,400	23.1	146.7	17,500	17,500	210				
155	60	220	11.0	44.7	17,400	17,400	23.1	148.8	17,400	17,400	23.1	146.7	17,500	17,500	220				



348 HYLAB 5 - w/ 80" x 95" Heavy Duty & 68" x 80" Long Range Boom, w/ 39" x 48" Tubular Jib, w/ 221.1K+75K Cwt  
Refer to the Tubular Jib Notes for Long Range Boom in this Crane Rating Manual before operating the crane.

Boom Length (ft)	Jib Length (ft)	Jib Load Radius (ft)	5 Degrees			15 Degrees			25 Degrees			Jib Load Radius (ft)	
			Boom Angle (deg)	Jib Point Height (ft)	Jib Capacity (lbs)			Boom Angle (deg)	Jib Point Height (ft)	Jib Capacity (lbs)			
					Over End Blocked	Extended	Retracted			Over End Blocked	Extended		Retracted
155	80	44.81	82.0	243.0	52,500	52,500	52,500	81.5	238.3	34,600	34,600	34,600	44.81
155	80	45	82.0	243.0	52,400	52,400	52,400	80.3	237.0	34,600	34,600	34,600	45
155	80	50	80.7	242.1	49,100	49,100	49,100	79.0	236.6	33,000	33,000	33,000	50
155	80	55	79.5	241.1	46,100	46,100	46,100	77.8	235.1	31,600	31,600	31,600	55
155	80	60	78.3	239.9	43,400	43,400	43,400	76.5	232.5	30,200	30,200	30,200	60
155	80	65	77.0	238.7	41,000	41,000	41,000	75.2	230.8	29,000	29,000	29,000	65
155	80	70	75.8	237.3	40,000	40,000	40,000	74.0	229.3	28,000	28,000	28,000	70
155	80	75	74.5	235.8	38,000	38,000	38,000	72.8	227.4	27,000	27,000	27,000	75
155	80	80	73.3	234.2	36,100	36,100	36,100	71.5	225.5	26,000	26,000	26,000	80
155	80	85	72.0	232.5	34,400	34,400	34,400	70.2	223.9	25,000	25,000	25,000	85
155	80	90	70.7	230.6	32,800	32,800	32,800	68.6	222.4	24,000	24,000	24,000	90
155	100	100	68.1	226.6	30,000	30,100	30,100	67.3	220.8	23,000	23,000	23,000	100
155	110	120	65.5	221.9	27,700	27,700	27,700	65.9	219.4	22,400	22,400	22,400	110
155	120	130	62.8	216.7	25,600	25,600	25,600	63.1	218.2	21,800	21,800	21,800	120
155	130	140	60.0	210.9	23,800	23,800	23,800	60.2	216.5	21,200	21,200	21,200	130
155	140	150	57.1	204.3	22,200	22,200	22,200	59.9	215.1	20,500	20,500	20,500	140
155	150	160	54.1	197.0	20,800	20,800	20,800	58.4	213.8	19,900	19,900	19,900	150
155	160	170	51.0	188.9	19,500	19,500	19,500	56.6	212.4	19,300	19,300	19,300	160
155	170	180	47.8	179.8	18,400	18,400	18,400	55.3	211.2	18,800	18,800	18,800	170
155	180	190	44.3	169.6	17,400	17,400	17,400	53.3	209.1	18,200	18,200	18,200	180
155	190	200	40.7	158.0	16,500	16,500	16,500	51.9	207.4	17,700	17,700	17,700	190
155	200	210	36.7	144.7	15,000	15,000	15,000	49.7	205.1	17,200	17,200	17,200	200
155	210	220	32.2	129.2	14,900	14,900	14,900	48.8	204.2	16,800	16,800	16,800	210
155	220	230	27.1	110.4	14,200	14,200	14,200	46.8	202.4	16,400	16,400	16,400	220
155	230	240	20.7	85.9	13,500	13,500	13,500	45.8	201.2	16,000	16,000	16,000	230
155	240	250	10.9	46.2	12,900	12,900	12,900	41.6	199.0	15,500	15,500	15,500	240
155	250	260	82.0	262.5	42,400	42,400	42,400	31.1	197.0	15,000	15,000	15,000	250
155	100	50	81.8	262.4	42,100	42,100	42,100	31.1	195.0	14,500	14,500	14,500	260
155	100	55	80.7	261.5	39,600	39,600	39,600	27.7	193.0	14,000	14,000	14,000	49.31
155	100	60	79.6	260.4	38,500	38,500	38,500	25.6	191.0	13,500	13,500	13,500	50
155	100	65	78.4	259.3	36,400	36,400	36,400	25.6	189.0	13,000	13,000	13,000	55
155	100	70	77.3	258.0	34,500	34,500	34,500	24.9	187.0	12,700	12,700	12,700	55
155	100	75	76.2	256.7	32,700	32,700	32,700	24.2	185.0	12,400	12,400	12,400	60
155	100	80	75.0	255.2	31,100	31,100	31,100	23.2	183.0	12,100	12,100	12,100	65
155	100	85	73.8	253.6	29,600	29,600	29,600	23.2	181.0	11,800	11,800	11,800	70
155	100	90	72.7	251.9	28,300	28,300	28,300	22.6	179.0	11,500	11,500	11,500	75
155	100	100	70.3	248.2	25,800	25,800	25,800	21.9	177.0	11,200	11,200	11,200	80
155	110	110	67.9	244.0	23,800	23,800	23,800	21.2	175.0	10,900	10,900	10,900	85
155	120	120	65.4	239.2	21,900	21,900	21,900	20.4	173.0	10,600	10,600	10,600	90
155	130	130	62.9	234.0	20,400	20,400	20,400	20.2	171.0	10,300	10,300	10,300	90
155	140	140	60.4	228.1	19,000	19,000	19,000	19.4	169.0	10,000	10,000	10,000	100
155	150	150	57.7	221.7	17,700	17,700	17,700	18.5	167.0	9,700	9,700	9,700	110
155	160	160	55.0	214.5	16,600	16,600	16,600	17.7	165.0	9,400	9,400	9,400	110
155	170	170	52.2	206.6	15,600	15,600	15,600	16.8	163.0	9,100	9,100	9,100	120
155	180	180	49.2	197.8	14,700	14,700	14,700	16.1	161.0	8,800	8,800	8,800	130
155	190	190	46.1	188.1	13,800	13,800	13,800	15.4	159.0	8,500	8,500	8,500	140
155	200	200	42.8	177.2	13,100	13,100	13,100	14.7	157.0	8,200	8,200	8,200	150
155	210	210	39.3	164.9	12,400	12,400	12,400	14.0	155.0	7,900	7,900	7,900	160
155	220	220	35.5	150.9	11,800	11,800	11,800	13.3	153.0	7,600	7,600	7,600	170
155	230	230	31.2	134.5	11,200	11,200	11,200	12.6	151.0	7,300	7,300	7,300	180
155	240	240	26.3	114.7	10,700	10,700	10,700	11.9	149.0	7,000	7,000	7,000	190
155	250	250	20.2	89.1	10,200	10,200	10,200	11.1	147.0	6,700	6,700	6,700	200
155	260	260	10.7	47.5	9,800	9,800	9,800	10.4	145.0	6,400	6,400	6,400	210

Prohibited

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348 HYLAB 5 - w/ 80" x 95" Heavy Duty & 68" x 80" Long Range Boom, w/ 39" x 48" Tubular Jib, w/ 221.1K+75K Cwt  
Refer to the Tubular Jib Notes for Long Range Boom in this Crane Rating Manual before operating the crane.

Boom Length (ft)	Jib Length (ft)	Jib Load Radius (ft)	Boom Angle (deg)	Jib Point Height (ft)	5 Degrees			15 Degrees			25 Degrees			Jib Load Radius (ft)
					Jib Capacity (lbs)			Jib Capacity (lbs)			Jib Capacity (lbs)			
					Over End Blocked	Extended	Retracted	Over End Blocked	Extended	Retracted	Over End Blocked	Extended	Retracted	
155	120	53.81	82.0	282.0	34,100	34,100	34,100	23,100	23,100	23,100	14,100	14,100	14,100	53.81
155	120	55	81.8	281.8	34,000	34,000	34,000	22,400	22,400	22,400	14,100	14,100	14,100	55
155	120	60	80.7	280.8	33,500	33,500	33,500	21,500	21,500	21,500	13,300	13,300	13,300	60
155	120	65	79.7	279.8	31,700	31,700	31,700	20,600	20,600	20,600	12,500	12,500	12,500	65
155	120	70	78.6	278.6	30,100	30,100	30,100	19,000	19,000	19,000	11,800	11,800	11,800	70
155	120	75	77.5	277.3	28,600	28,600	28,600	17,600	17,600	17,600	11,200	11,200	11,200	75
155	120	80	76.5	276.0	27,200	27,200	27,200	16,400	16,400	16,400	10,700	10,700	10,700	80
155	120	85	75.4	274.5	25,900	25,900	25,900	15,300	15,300	15,300	10,200	10,200	10,200	85
155	120	90	74.3	273.0	24,700	24,700	24,700	14,300	14,300	14,300	9,600	9,600	9,600	90
155	120	100	72.1	269.6	22,600	22,600	22,600	12,800	12,800	12,800	8,300	8,300	8,300	100
155	120	110	69.9	265.7	20,700	20,700	20,700	11,800	11,800	11,800	7,700	7,700	7,700	110
155	120	120	67.7	261.4	19,100	19,100	19,100	10,600	10,600	10,600	7,000	7,000	7,000	120
155	120	130	65.4	256.6	17,700	17,700	17,700	9,500	9,500	9,500	6,300	6,300	6,300	130
155	120	140	63.1	251.3	16,400	16,400	16,400	8,600	8,600	8,600	5,700	5,700	5,700	140
155	120	150	60.7	245.4	15,300	15,300	15,300	7,800	7,800	7,800	5,000	5,000	5,000	150
155	120	160	58.2	239.0	14,300	14,300	14,300	7,200	7,200	7,200	4,400	4,400	4,400	160
155	120	170	55.7	232.0	13,400	13,400	13,400	6,600	6,600	6,600	3,900	3,900	3,900	170
155	120	180	53.1	224.2	12,500	12,500	12,500	6,100	6,100	6,100	3,400	3,400	3,400	180
155	120	190	50.4	215.7	11,800	11,800	11,800	5,700	5,700	5,700	3,000	3,000	3,000	190
155	120	200	47.6	206.4	11,100	11,100	11,100	5,300	5,300	5,300	2,700	2,700	2,700	200
155	120	210	44.6	196.0	10,500	10,500	10,500	5,000	5,000	5,000	2,500	2,500	2,500	210
155	120	220	41.5	184.4	9,900	9,900	9,900	4,700	4,700	4,700	2,300	2,300	2,300	220
155	120	230	38.1	171.5	9,400	9,400	9,400	4,400	4,400	4,400	2,100	2,100	2,100	230
155	120	240	34.4	156.7	8,900	8,900	8,900	4,200	4,200	4,200	1,900	1,900	1,900	240
155	120	250	30.3	139.6	8,400	8,400	8,400	4,000	4,000	4,000	1,700	1,700	1,700	250
155	120	260	25.6	118.9	8,000	8,000	8,000	3,800	3,800	3,800	1,500	1,500	1,500	260
155	120	270	20.6	92.2	7,600	7,600	7,600	3,600	3,600	3,600	1,300	1,300	1,300	270
155	120	280	10.6	48.9	7,300	7,300	7,300	3,400	3,400	3,400	1,200	1,200	1,200	280
155	140	58.31	82.0	301.5	26,600	26,600	26,600	18,800	18,800	18,800	12,100	12,100	12,100	58.31
155	140	60	81.7	301.2	26,500	26,500	26,500	18,100	18,100	18,100	11,400	11,400	11,400	60
155	140	65	80.7	300.2	26,400	26,400	26,400	16,600	16,600	16,600	10,700	10,700	10,700	65
155	140	70	79.7	299.1	26,300	26,300	26,300	15,400	15,400	15,400	10,000	10,000	10,000	70
155	140	75	78.7	297.9	25,200	25,200	25,200	14,200	14,200	14,200	9,400	9,400	9,400	75
155	140	80	77.7	296.7	24,000	24,000	24,000	13,200	13,200	13,200	8,900	8,900	8,900	80
155	140	85	76.7	295.3	22,900	22,900	22,900	12,300	12,300	12,300	8,400	8,400	8,400	85
155	140	90	75.7	293.9	21,800	21,800	21,800	11,500	11,500	11,500	7,900	7,900	7,900	90
155	140	100	73.7	290.7	19,900	19,900	19,900	10,800	10,800	10,800	7,500	7,500	7,500	100
155	140	110	71.7	287.1	18,200	18,200	18,200	10,100	10,100	10,100	7,100	7,100	7,100	110
155	140	120	69.6	283.2	16,800	16,800	16,800	9,500	9,500	9,500	6,700	6,700	6,700	120
155	140	130	67.5	278.8	15,500	15,500	15,500	9,000	9,000	9,000	6,400	6,400	6,400	130
155	140	140	65.4	273.9	14,300	14,300	14,300	8,400	8,400	8,400	6,100	6,100	6,100	140
155	140	150	63.2	268.6	13,300	13,300	13,300	7,900	7,900	7,900	5,800	5,800	5,800	150
155	140	160	61.0	262.7	12,400	12,400	12,400	7,500	7,500	7,500	5,600	5,600	5,600	160
155	140	170	58.7	256.4	11,500	11,500	11,500	7,100	7,100	7,100	5,400	5,400	5,400	170
155	140	180	56.4	249.4	10,800	10,800	10,800	6,800	6,800	6,800	5,200	5,200	5,200	180
155	140	190	53.9	241.8	10,100	10,100	10,100	6,500	6,500	6,500	5,000	5,000	5,000	190
155	140	200	51.4	233.5	9,500	9,500	9,500	6,200	6,200	6,200	4,800	4,800	4,800	200
155	140	210	48.9	224.5	8,900	8,900	8,900	5,900	5,900	5,900	4,600	4,600	4,600	210
155	140	220	46.1	214.5	8,300	8,300	8,300	5,600	5,600	5,600	4,400	4,400	4,400	220
155	140	230	43.3	203.6	7,800	7,800	7,800	5,300	5,300	5,300	4,200	4,200	4,200	230
155	140	240	40.3	191.4	7,400	7,400	7,400	5,000	5,000	5,000	4,000	4,000	4,000	240
155	140	250	37.0	177.8	7,000	7,000	7,000	4,700	4,700	4,700	3,800	3,800	3,800	250
155	140	260	33.5	162.3	6,600	6,600	6,600	4,400	4,400	4,400	3,600	3,600	3,600	260
155	140	270	29.5	144.4	6,200	6,200	6,200	4,100	4,100	4,100	3,400	3,400	3,400	270
155	140	280	25.0	122.9	5,900	5,900	5,900	3,800	3,800	3,800	3,200	3,200	3,200	280
155	140	290	19.3	95.1	5,600	5,600	5,600	3,600	3,600	3,600	3,000	3,000	3,000	290
155	140	300	10.4	50.1	5,300	5,300	5,300	3,400	3,400	3,400	2,800	2,800	2,800	300

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348 HYLAB 5 - w/ 80" x 95" Heavy Duty & 68" x 80" Long Range Boom, w/ 39" x 48" Tubular Jib, w/ 221.1K+75K Cwt  
Refer to the Tubular Jib Notes for Long Range Boom in this Crane Rating Manual before operating the crane.

Boom Length (ft)	Jib Length (ft)	Jib Load Radius (ft)	Boom Angle (deg)	Jib Point Height (ft)	5 Degrees			Boom Angle (deg)	Jib Point Height (ft)	15 Degrees			Boom Angle (deg)	Jib Point Height (ft)	25 Degrees			Jib Load Radius (ft)
					Jib Capacity (lbs)					Jib Capacity (lbs)					Jib Capacity (lbs)			
					Over End Blocked	Curve 11	Curve 12			Over End Blocked	Curve 34	Curve 35			Over End Blocked	Curve 11	Curve 12	
165	40	37.21	82.0	214.0	85,200	85,200	85,200	81.7	211.6	63,200	63,200	63,200	80.6	207.3	42,400	42,400	42,400	37.21
165	40	45	81.2	213.5	81,900	81,900	81,900	80.3	210.5	59,800	59,800	59,800	79.1	206.0	42,400	42,400	42,400	40
165	40	45	79.8	212.6	77,500	77,500	77,500	78.8	210.5	56,700	56,700	56,700	77.7	204.5	42,400	42,400	42,400	45
165	40	50	78.4	211.5	72,600	72,600	72,600	77.4	208.0	54,000	54,000	54,000	77.7	204.5	42,400	42,400	42,400	50
165	40	55	77.0	210.3	68,300	68,300	68,300	77.4	206.6	51,400	51,400	51,400	76.2	202.9	42,400	42,400	42,400	55
165	40	60	75.6	209.0	64,000	64,000	64,000	76.0	205.0	49,100	49,100	49,100	74.7	201.2	41,200	41,200	41,200	60
165	40	65	74.2	207.6	60,900	60,900	60,900	74.5	203.3	47,000	47,000	47,000	73.2	199.3	39,900	40,300	40,300	65
165	40	70	72.7	206.0	57,700	57,700	57,700	73.1	201.4	45,100	45,100	45,100	72.2	197.3	39,200	39,200	39,200	70
165	40	75	71.3	204.3	54,800	54,800	54,800	70.1	199.4	43,300	43,300	43,300	70.2	197.3	39,200	39,200	39,200	75
165	40	80	69.8	202.4	52,200	52,200	52,200	68.6	197.2	41,700	41,700	41,700	67.1	195.1	37,900	37,900	37,900	80
165	40	85	68.3	200.4	49,800	49,800	49,800	65.5	192.4	39,700	39,700	39,700	66.9	190.2	35,600	35,600	35,600	85
165	40	90	66.8	198.3	47,600	47,600	47,600	62.4	186.6	37,100	37,100	37,100	63.9	184.6	33,500	33,500	33,500	90
165	40	100	60.6	188.0	40,500	40,500	40,500	59.1	173.4	32,700	32,700	32,700	60.6	178.2	31,700	31,700	31,700	100
165	40	110	57.4	181.7	38,700	38,700	38,700	55.7	166.2	29,300	29,300	29,300	57.2	171.0	30,100	30,100	30,100	110
165	40	120	54.0	174.7	36,100	36,100	36,100	52.2	156.2	27,900	27,900	27,900	53.6	162.8	28,700	28,700	28,700	120
165	40	130	50.5	166.6	33,800	33,800	33,800	48.4	145.6	25,400	25,400	25,400	49.7	153.4	27,400	27,400	27,400	130
165	40	140	46.8	147.1	30,000	30,000	30,000	44.4	133.5	23,600	23,600	23,600	45.6	142.7	26,300	26,300	26,300	140
165	40	150	42.8	135.1	28,400	28,400	28,400	40.0	120.9	22,000	22,000	22,000	41.2	130.2	25,300	25,300	25,300	150
165	40	160	38.5	120.9	27,000	27,000	27,000	35.2	119.0	21,000	21,000	21,000	36.2	124.4	24,400	24,400	24,400	160
165	40	170	33.7	103.5	25,600	25,600	25,600	29.6	101.4	20,400	20,400	20,400	30.3	97.0	23,600	23,600	23,600	170
165	40	180	28.2	80.9	24,400	24,400	24,400	22.6	78.1	19,400	19,400	19,400	22.6	78.1	18,800	18,800	18,800	180
165	40	190	21.4	44.1	23,300	23,300	23,300	16.7	44.1	18,700	18,700	18,700	16.7	44.1	18,000	18,000	18,000	190
165	40	200	10.9	23.3	22,600	22,600	22,600	10.7	23.3	16,700	16,700	16,700	10.7	23.3	16,700	16,700	16,700	200
165	41.71	45	82.0	233.4	65,400	65,400	65,400	81.1	229.5	44,700	44,700	44,700	80.9	224.2	28,200	28,200	28,200	41.71
165	60	50	79.9	231.9	58,600	58,600	58,600	78.5	227.0	40,500	40,500	40,500	79.6	222.7	28,200	28,200	28,200	45
165	60	55	78.6	230.9	55,000	55,000	55,000	77.2	225.5	38,100	38,100	38,100	76.9	221.2	28,200	28,200	28,200	50
165	60	60	77.3	229.7	51,900	51,900	51,900	75.9	223.0	35,000	35,000	35,000	75.5	217.6	28,200	28,200	28,200	55
165	60	65	76.0	228.4	49,000	49,000	49,000	74.6	220.5	33,700	33,700	33,700	74.2	215.6	28,200	28,200	28,200	60
165	60	70	74.7	226.9	46,500	46,500	46,500	73.2	218.5	31,300	31,300	31,300	71.4	211.2	27,500	27,500	27,500	65
165	60	75	73.4	225.4	44,100	44,100	44,100	71.9	214.2	29,200	29,200	29,200	69.8	206.2	25,900	25,900	25,900	70
165	60	80	72.1	223.7	42,000	42,000	42,000	70.2	209.2	27,300	27,300	27,300	68.5	200.6	24,500	24,500	24,500	75
165	60	85	70.7	221.9	40,000	40,000	40,000	68.3	203.7	25,700	25,700	25,700	66.6	194.2	23,200	23,200	23,200	80
165	60	90	69.4	219.9	39,400	39,400	39,400	66.3	202.4	24,200	24,200	24,200	62.6	187.1	22,100	22,100	22,100	85
165	60	100	66.7	215.6	36,100	36,100	36,100	64.4	190.4	22,900	22,900	22,900	59.4	179.1	21,100	21,100	21,100	90
165	60	110	63.9	210.8	33,300	33,300	33,300	62.4	182.6	22,900	22,900	22,900	56.1	179.1	21,100	21,100	21,100	100
165	60	120	61.0	205.2	30,900	30,900	30,900	60.4	173.7	21,700	21,700	21,700	52.7	170.0	20,100	20,100	20,100	110
165	60	130	58.0	199.0	28,800	28,800	28,800	58.3	165.7	20,700	20,700	20,700	49.0	159.8	19,300	19,300	19,300	120
165	60	140	55.0	192.1	26,900	26,900	26,900	56.1	152.4	19,700	19,700	19,700	45.1	148.1	18,600	18,600	18,600	130
165	60	150	51.8	184.3	25,300	25,300	25,300	54.1	145.2	18,900	18,900	18,900	40.8	134.6	17,900	17,900	17,900	140
165	60	160	48.5	175.6	23,800	23,800	23,800	52.4	133.3	18,100	18,100	18,100	36.0	128.6	17,300	17,300	17,300	150
165	60	170	45.0	165.7	22,500	22,500	22,500	50.8	125.9	17,400	17,400	17,400	33.3	98.6	16,800	16,800	16,800	160
165	60	180	41.2	154.5	21,300	21,300	21,300	48.4	118.6	16,800	16,800	16,800	30.3	98.6	16,800	16,800	16,800	170
165	60	190	37.1	141.6	20,200	20,200	20,200	46.3	110.5	16,800	16,800	16,800	27.9	98.6	16,800	16,800	16,800	180
165	60	200	32.5	126.5	19,200	19,200	19,200	44.2	105.1	16,800	16,800	16,800	25.8	98.6	16,800	16,800	16,800	190
165	60	210	27.3	108.2	18,300	18,300	18,300	42.4	80.2	16,800	16,800	16,800	23.9	98.6	16,800	16,800	16,800	200
165	60	220	20.8	84.3	17,500	17,500	17,500	40.2	80.2	16,800	16,800	16,800	22.4	98.6	16,800	16,800	16,800	210
165	60	230	10.7	45.6	16,700	16,700	16,700	39.6	80.2	16,800	16,800	16,800	20.2	98.6	16,800	16,800	16,800	220
165	60	230	10.7	45.6	16,700	16,700	16,700	39.6	80.2	16,800	16,800	16,800	20.2	98.6	16,800	16,800	16,800	230



348 HYLAB 5 - w/ 80" x 95" Heavy Duty & 68" x 80" Long Range Boom, w/ 39" x 48" Tubular Jib, w/ 221.1K+75K Cwt  
Refer to the Tubular Jib Notes for Long Range Boom in this Crane Rating Manual before operating the crane.

Boom Length (ft)	Jib Length (ft)	Jib Load Radius (ft)	Boom Angle (deg)	Jib Point Height (ft)	5 Degrees			15 Degrees			25 Degrees			Jib Load Radius (ft)	
					Jib Capacity (lbs)			Jib Capacity (lbs)			Jib Capacity (lbs)				
					Over End Blocked	Extended	Retracted	Over End Blocked	Extended	Retracted	Over End Blocked	Extended	Retracted		
165	80	46.2	82.0	252.9	51,500	49,100	49,100	34,600	34,600	34,600	81.2	219.9	21,200	21,200	46.2
165	80	50	81.1	252.3	49,100	46,100	46,100	34,600	34,600	34,600	80.0	219.9	21,200	21,200	50
165	80	55	79.9	251.3	46,100	43,500	43,500	33,000	33,000	33,000	78.7	237.9	21,200	21,200	55
165	80	60	78.8	250.2	43,500	41,100	41,100	33,000	33,000	33,000	77.5	236.1	21,200	21,200	60
165	80	65	77.6	249.0	41,100	38,200	38,200	31,500	31,500	31,500	76.4	239.6	21,200	21,200	65
165	80	70	76.4	247.7	40,200	38,100	38,100	30,200	30,200	30,200	75.2	239.6	21,200	21,200	70
165	80	75	75.2	246.3	38,200	36,300	36,300	29,000	29,000	29,000	74.0	236.1	21,200	21,200	75
165	80	80	74.0	244.7	36,300	34,600	34,600	27,900	27,900	27,900	72.8	236.1	21,200	21,200	80
165	80	85	72.8	243.1	34,600	33,000	33,000	25,800	25,800	25,800	71.5	232.1	21,200	21,200	85
165	80	90	71.5	241.3	33,000	30,300	30,300	24,000	24,000	24,000	70.3	227.6	21,200	21,200	90
165	80	100	69.1	237.4	30,200	27,900	27,900	22,500	22,500	22,500	68.7	216.8	18,800	18,800	100
165	80	110	66.5	233.0	27,900	25,800	25,800	21,100	21,100	21,100	67.0	210.4	17,800	17,800	110
165	80	120	64.0	228.0	25,800	24,000	24,000	20,000	20,000	20,000	65.2	203.4	16,900	16,900	120
165	80	130	61.3	222.5	24,000	22,400	22,400	19,800	19,800	19,800	63.3	203.4	16,900	16,900	130
165	80	140	58.6	216.3	22,400	21,000	21,000	18,700	18,700	18,700	61.3	203.4	16,900	16,900	140
165	80	150	55.8	209.5	20,900	21,000	21,000	18,700	18,700	18,700	58.4	203.4	16,900	16,900	150
165	80	160	52.9	201.9	19,700	19,700	19,700	17,700	17,700	17,700	55.2	195.5	16,100	16,100	160
165	80	170	49.9	193.4	18,500	18,500	18,500	16,800	16,800	16,800	51.9	186.8	15,400	15,400	170
165	80	180	46.7	184.0	17,500	17,500	17,500	16,000	16,000	16,000	48.4	177.0	14,800	14,800	180
165	80	190	43.4	173.5	16,600	16,600	16,600	15,200	15,200	15,200	44.6	166.0	14,200	14,200	190
165	80	200	39.8	161.5	15,700	15,700	15,700	14,500	14,500	14,500	40.5	153.4	13,700	13,700	200
165	80	210	35.9	147.9	14,900	14,900	14,900	13,900	13,900	13,900	35.8	138.9	13,200	13,200	210
165	80	220	31.5	131.9	14,200	14,200	14,200	13,400	13,400	13,400	32.3	121.7	12,800	12,800	220
165	80	230	26.5	112.6	13,600	13,600	13,600	12,900	12,900	12,900	30.2	100.3	12,400	12,400	230
165	80	240	20.3	87.6	13,000	13,000	13,000	12,400	12,400	12,400					240
165	80	250	10.6	46.9	12,400	12,400	12,400	12,400	12,400	12,400					250
165	100	50.7	82.0	272.4	41,600	40,100	40,100	27,700	27,700	27,700	81.5	258.1	16,900	16,900	50.7
165	100	55	81.1	271.6	38,500	38,500	38,500	26,900	26,900	26,900	80.3	256.5	16,900	16,900	55
165	100	60	80.0	270.6	36,400	36,400	36,400	26,900	26,900	26,900	78.0	252.8	16,900	16,900	60
165	100	65	78.9	269.5	34,500	34,500	34,500	26,900	26,900	26,900	75.6	248.7	16,900	16,900	65
165	100	70	77.8	268.3	32,800	32,800	32,800	26,900	26,900	26,900	73.2	244.0	16,900	16,900	70
165	100	75	76.7	267.0	31,200	31,200	31,200	26,900	26,900	26,900	70.8	238.9	16,900	16,900	75
165	100	80	75.6	265.6	29,700	29,700	29,700	26,900	26,900	26,900	68.3	233.2	16,900	16,900	80
165	100	85	74.5	264.1	28,400	28,400	28,400	26,900	26,900	26,900	65.7	226.8	16,900	16,900	85
165	100	90	73.3	262.5	26,000	26,000	26,000	26,900	26,900	26,900	63.0	219.9	16,900	16,900	90
165	100	100	71.1	258.9	23,900	23,900	23,900	26,900	26,900	26,900	60.3	212.2	16,900	16,900	100
165	100	110	68.8	254.9	22,100	22,100	22,100	26,900	26,900	26,900	57.4	203.6	16,900	16,900	110
165	100	120	66.4	250.4	20,500	20,500	20,500	26,900	26,900	26,900	54.4	194.2	16,900	16,900	120
165	100	130	64.0	245.4	19,100	19,100	19,100	26,900	26,900	26,900	51.5	189.3	16,900	16,900	130
165	100	140	61.6	239.8	17,800	17,800	17,800	26,900	26,900	26,900	48.4	183.7	16,900	16,900	140
165	100	150	59.1	233.7	17,800	17,800	17,800	26,900	26,900	26,900	47.8	177.9	16,900	16,900	150
165	100	160	56.5	226.9	16,700	16,700	16,700	26,900	26,900	26,900	44.2	158.5	16,900	16,900	160
165	100	170	53.8	219.4	15,700	15,700	15,700	26,900	26,900	26,900	40.2	143.0	16,900	16,900	170
165	100	180	51.1	211.2	14,700	14,700	14,700	26,900	26,900	26,900	35.6	124.7	16,900	16,900	180
165	100	190	48.2	202.2	13,900	13,900	13,900	26,900	26,900	26,900	30.2	101.9	16,900	16,900	190
165	100	200	45.2	192.1	13,100	13,100	13,100	26,900	26,900	26,900					200
165	100	210	41.9	180.9	12,500	12,500	12,500	26,900	26,900	26,900					210
165	100	220	38.5	168.2	11,800	11,800	11,800	26,900	26,900	26,900					220
165	100	230	34.8	153.8	11,200	11,200	11,200	26,900	26,900	26,900					230
165	100	240	30.6	137.1	10,700	10,700	10,700	26,900	26,900	26,900					240
165	100	250	25.8	116.8	10,200	10,200	10,200	26,900	26,900	26,900					250
165	100	260	19.8	90.7	9,700	9,700	9,700	26,900	26,900	26,900					260
165	100	270	10.5	48.3	9,300	9,300	9,300	26,900	26,900	26,900					270

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348 HYLAB 5 - w/ 80" x 95" Heavy Duty & 68" x 80" Long Range Boom, w/ 39" x 48" Tubular Jib, w/ 221.1K+75K Cwt  
Refer to the Tubular Jib Notes for Long Range Boom in this Crane Rating Manual before operating the crane.

Boom Length (ft)	Jib Length (ft)	Jib Load Radius (ft)	5 Degrees			15 Degrees			25 Degrees			Jib Load Radius (ft)
			Boom Angle (deg)	Jib Point Height (ft)	Jib Capacity (lbs)	Boom Angle (deg)	Jib Point Height (ft)	Jib Capacity (lbs)	Boom Angle (deg)	Jib Point Height (ft)	Jib Capacity (lbs)	
165	120	55.2	82.0	291.9	33,700	81.0	284.2	22,300	80.6	273.4	14,100	55.2
165	120	60	81.0	290.0	33,300	79.9	282.7	21,400	78.4	269.6	14,100	60
165	120	65	80.0	290.0	31,700	78.9	281.2	20,500	76.8	259.4	13,200	65
165	120	70	79.0	288.9	30,100	76.8	277.9	19,000	74.0	250.6	12,400	70
165	120	75	78.0	287.7	28,600	74.6	274.2	17,600	71.7	249.7	11,700	75
165	120	80	76.9	286.4	27,300	72.5	270.0	16,300	69.3	243.4	11,100	80
165	120	85	75.9	285.0	26,000	70.3	265.4	15,200	66.9	239.7	10,500	85
165	120	90	74.9	283.5	24,800	68.0	260.2	14,200	64.5	236.5	10,000	90
165	120	100	72.8	280.2	22,700	66.7	256.2	13,400	61.9	228.6	9,500	100
165	120	110	70.7	276.5	20,800	65.7	254.6	12,500	59.3	221.4	9,000	110
165	120	120	68.5	272.3	19,200	63.4	248.4	11,800	56.5	211.4	8,600	120
165	130	130	66.3	267.7	17,800	61.0	241.7	11,100	53.2	207.4	8,000	130
165	140	140	64.1	262.7	16,500	58.5	234.3	10,500	50.4	196.6	7,500	140
165	150	150	61.8	257.1	15,400	55.9	226.2	10,000	47.4	184.5	7,000	150
165	160	160	59.5	251.0	14,300	53.2	217.2	9,500	44.3	174.0	6,500	160
165	170	170	57.1	244.3	13,400	50.4	207.4	9,000	43.8	171.0	6,000	170
165	180	180	54.6	237.0	12,600	47.4	196.6	8,500	41.0	166.6	5,500	180
165	190	190	52.1	228.9	11,800	44.3	184.5	8,000	39.9	163.4	5,000	190
165	200	200	49.4	220.2	11,100	40.9	174.0	7,800	37.2	155.5	4,700	200
165	210	210	46.7	210.5	10,500	38.1	154.4	7,500	35.1	147.0	4,500	210
165	220	220	43.8	199.8	9,900	32.1	137.4	7,200	30.1	137.4	4,200	220
165	230	230	40.7	188.0	9,400	28.2	120.9	7,000	28.2	120.9	4,000	230
165	240	240	37.4	174.7	8,900	22.1	93.7	6,900	22.1	93.7	3,900	240
165	250	250	33.8	159.6	8,400							250
165	260	260	29.8	142.0	8,000							260
165	270	270	25.1	120.9	7,600							270
165	280	280	19.3	93.7	7,300							280
165	290	290	10.3	49.5	7,000							290
165	140	59.7	82.0	311.4	26,200	81.6	303.3	18,700	80.9	290.4	12,100	59.7
165	140	60	81.9	311.3	26,200	80.6	301.9	18,000	78.8	286.5	12,100	60
165	140	65	81.0	310.4	26,100	78.7	298.8	16,600	76.8	282.1	11,300	65
165	140	70	80.0	309.3	26,000	76.7	295.3	15,300	74.7	277.3	10,600	70
165	140	75	79.1	308.2	25,200	74.7	291.5	14,200	72.5	272.0	9,900	75
165	140	80	78.1	307.0	24,000	72.6	287.2	13,200	70.3	266.3	9,300	80
165	140	85	77.2	305.7	22,900	70.6	282.5	12,300	68.1	263.0	8,800	85
165	140	90	76.2	304.3	21,800	68.5	277.3	11,500	65.8	258.2	8,300	90
165	140	100	74.3	301.2	20,000	66.3	271.7	10,700	63.4	251.5	7,800	100
165	140	110	72.3	297.8	18,300	63.3	263.6	10,000	60.9	245.7	7,400	110
165	140	120	70.3	294.0	16,800	61.9	258.8	9,400	58.4	238.6	7,000	120
165	140	130	68.3	289.7	15,500	60.9	255.8	8,900	55.7	234.9	6,700	130
165	140	140	66.2	285.1	14,400	59.5	251.5	8,300	52.9	228.2	6,300	140
165	140	150	64.2	280.0	13,400	57.1	243.6	7,900	50.0	218.9	6,000	150
165	140	160	62.0	274.4	12,400	54.7	234.9	7,400	47.8	211.4	5,800	160
165	140	170	59.8	268.3	11,600	52.1	225.5	7,000	46.8	208.2	5,500	170
165	140	180	57.6	261.7	10,800	49.4	215.1	6,600	43.4	202.2	5,300	180
165	140	190	55.3	254.4	10,100	46.5	203.6	6,300	39.6	196.3	5,100	190
165	140	200	53.0	246.6	9,500	43.5	190.9	6,000	37.2	188.1	4,900	200
165	140	210	50.5	238.1	8,900	40.2	176.7	5,700	35.3	181.1	4,700	210
165	140	220	48.0	228.7	8,300	36.7	160.5	5,400	30.1	150.9	4,500	220
165	140	230	45.3	218.5	7,800	32.7	141.6	5,200		130.6	4,300	230
165	140	240	42.5	207.3	7,400	28.0	118.6	5,000		105.0	4,100	240
165	140	250	39.5	194.8	7,000	22.0	88.1	5,000				250
165	140	260	36.4	180.9	6,600							260
165	140	270	32.9	165.1	6,200							270
165	140	280	29.0	146.8	5,900							280
165	140	290	24.5	124.9	5,600							290
165	140	300	18.9	96.6	5,300							300
165	140	310	10.2	50.8	5,000							310

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348 HYLAB 5 - w/ 80" x 95" Heavy Duty & 68" x 80" Long Range Boom, w/ 39" x 48" Tubular Jib, w/ 221.1K+75K Cwt  
Refer to the Tubular Jib Notes for Long Range Boom in this Crane Rating Manual before operating the crane.

Boom Length (ft)	Jib Length (ft)	Jib Load Radius (ft)	Boom Angle (deg)	Jib Point Height (ft)	5 Degrees			15 Degrees			25 Degrees			Jib Load Radius (ft)				
					Jib Capacity (lbs)			Jib Capacity (lbs)			Jib Capacity (lbs)							
					Over End Blocked	Extended	Retracted	Over End Blocked	Extended	Retracted	Over End Blocked	Extended	Retracted					
175	40	38.6	82.0	223.9	83,000	83,000	83,000	80.7	220.7	59,600	59,600	59,600	81.0	217.6	42,400	42,400	42,400	38.6
175	40	45	81.6	223.6	81,400	81,400	81,400	79.4	219.6	56,600	56,600	56,600	79.6	216.3	42,400	42,400	42,400	40
175	40	55	80.3	222.8	77,200	77,200	77,200	78.0	218.4	53,900	53,900	53,900	78.3	214.9	42,400	42,400	42,400	45
175	40	65	79.0	221.8	72,500	72,500	72,500	76.6	217.0	51,400	51,400	51,400	75.5	213.4	42,400	42,400	42,400	50
175	40	75	77.6	220.6	68,200	68,300	68,300	75.3	215.5	49,100	49,100	49,100	75.5	211.8	41,000	41,000	41,000	55
175	40	85	76.3	219.4	64,000	64,400	64,400	74.1	213.8	47,000	47,000	47,000	74.1	210.0	39,800	39,800	39,800	60
175	40	90	74.9	218.0	61,000	61,000	61,000	72.5	212.2	45,100	45,100	45,100	72.6	208.0	39,100	39,100	39,100	65
175	40	100	73.5	216.5	57,900	57,900	57,900	71.1	210.2	43,300	43,300	43,300	71.2	206.0	38,100	38,100	38,100	70
175	40	110	72.2	214.9	55,000	55,000	55,000	69.6	208.1	41,700	41,700	41,700	69.6	206.0	37,800	37,800	37,800	75
175	40	120	70.8	213.1	52,400	52,400	52,400	66.7	203.5	39,800	39,800	39,800	66.3	201.3	35,500	35,500	35,500	80
175	40	130	69.4	211.2	50,100	50,100	50,100	63.8	200.3	37,200	37,200	37,200	62.2	198.3	33,500	33,500	33,500	85
175	40	140	67.9	209.2	47,900	47,900	47,900	60.7	192.4	34,900	34,900	34,900	59.0	190.1	31,700	31,700	31,700	90
175	40	150	65.1	204.6	44,000	44,000	44,000	57.6	188.8	32,800	32,800	32,800	56.6	183.4	30,100	30,100	30,100	95
175	40	160	62.1	199.5	40,700	40,700	40,700	54.3	178.3	29,400	29,400	29,400	52.1	175.8	28,700	28,700	28,700	100
175	40	170	59.1	193.6	39,000	39,000	39,000	48.4	169.9	28,000	28,000	28,000	48.4	167.2	27,400	27,400	27,400	105
175	40	180	55.9	187.0	36,400	36,400	36,400	43.3	160.3	26,600	26,600	26,600	44.4	157.5	26,200	26,200	26,200	110
175	40	190	52.6	179.6	34,100	34,100	34,100	40.1	149.4	25,500	25,500	25,500	40.1	146.3	24,300	24,300	24,300	115
175	40	200	49.2	171.2	32,100	32,100	32,100	35.2	136.8	24,400	24,400	24,400	35.2	133.4	23,500	23,500	23,500	120
175	40	210	46.6	161.7	30,300	30,300	30,300	29.5	121.9	23,400	23,400	23,400	29.5	118.1	22,700	22,700	22,700	125
175	40	220	43.1	150.9	28,600	28,600	28,600	21.9	103.7	22,600	22,600	22,600	21.9	99.1	22,000	22,000	22,000	130
175	40	230	37.5	138.4	27,100	27,100	27,100	16.100	81.7	16,100	16,100	16,100	16.100	81.7	16,100	16,100	16,100	135
175	40	240	32.9	123.8	25,800	25,800	25,800	12.0	79.8	16,100	16,100	16,100	12.0	79.8	16,100	16,100	16,100	140
175	40	250	27.5	105.9	24,600	24,600	24,600	8.5	79.8	16,100	16,100	16,100	8.5	79.8	16,100	16,100	16,100	145
175	40	260	20.9	82.7	23,500	23,500	23,500	6.5	79.8	16,100	16,100	16,100	6.5	79.8	16,100	16,100	16,100	150
175	40	270	10.6	45.0	22,400	22,400	22,400	5.0	79.8	16,100	16,100	16,100	5.0	79.8	16,100	16,100	16,100	155

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348 HYLAB 5 - w/ 80" x 95" Heavy Duty & 68" x 80" Long Range Boom, w/ 39" x 48" Tubular Jib, w/ 221.1K+75K Cwt  
Refer to the Tubular Jib Notes for Long Range Boom in this Crane Rating Manual before operating the crane.

Boom Length (ft)	Jib Length (ft)	Jib Load Radius (ft)	Boom Angle (deg)	Jib Point Height (ft)	5 Degrees			Boom Angle (deg)	Jib Point Height (ft)	15 Degrees			Boom Angle (deg)	Jib Point Height (ft)	25 Degrees			Jib Load Radius (ft)
					Jib Capacity (lbs)					Jib Capacity (lbs)					Jib Capacity (lbs)			
					Over End Blocked	Curve 11	Curve 12			Over End Blocked	Curve 34	Curve 35			Over End Blocked	Curve 11	Curve 12	
175	80	47.6	82.0	262.8	50,400	49,000	49,000	81.1	257.6	34,400	34,400	81.6	251.5	21,200	21,200	47.6		
175	80	50	81.5	262.4	49,000	46,100	46,100	79.9	256.3	32,900	32,900	80.4	250.0	21,200	21,200	50		
175	80	55	80.3	261.5	46,100	43,500	43,500	78.7	254.9	31,500	31,500	79.2	248.3	21,200	21,200	55		
175	80	60	79.2	260.4	43,500	41,200	41,200	77.6	253.5	30,200	30,200	78.0	246.6	21,200	21,200	60		
175	80	65	78.1	259.3	41,200	39,600	39,600	76.4	251.9	29,000	29,000	75.6	242.8	21,200	21,200	65		
175	80	70	76.9	258.0	39,600	40,200	40,200	75.2	250.2	27,900	27,900	73.1	238.5	21,200	21,200	70		
175	80	75	75.8	256.7	38,300	38,300	38,300	74.2	248.4	25,800	25,800	70.6	233.7	21,200	21,200	75		
175	80	80	74.6	255.2	36,400	36,400	36,400	73.4	246.4	24,100	24,100	68.0	228.3	21,200	21,200	80		
175	80	85	73.4	253.6	34,800	34,800	34,800	72.8	244.2	22,500	22,500	65.4	222.3	17,800	17,800	85		
175	80	90	72.3	251.9	33,200	33,200	33,200	70.4	242.2	22,100	22,100	62.7	215.6	16,900	16,900	90		
175	80	100	69.9	248.2	30,400	30,400	30,400	67.9	237.4	21,100	21,100	59.9	208.1	15,400	15,400	100		
175	80	110	67.5	244.0	28,000	28,000	28,000	65.4	232.1	19,900	19,900	56.9	200.4	14,700	14,700	110		
175	80	120	65.0	239.3	26,000	26,000	26,000	62.8	226.2	18,700	18,700	53.9	191.0	14,100	14,100	120		
175	80	130	62.5	234.0	24,100	24,100	24,100	60.2	219.7	18,000	18,000	50.7	180.8	13,600	13,600	130		
175	80	140	60.0	228.2	22,500	22,500	22,500	57.4	212.4	17,000	17,000	47.2	169.4	13,100	13,100	140		
175	80	150	57.3	221.7	21,100	21,100	21,100	54.5	204.4	16,800	16,800	43.5	156.5	12,700	12,700	150		
175	80	160	54.6	214.6	19,800	19,800	19,800	51.6	195.6	16,000	16,000	39.5	141.6	12,300	12,300	160		
175	80	170	51.8	206.6	18,700	18,700	18,700	48.4	185.7	15,200	15,200	34.9	123.9	12,000	12,000	170		
175	80	180	48.8	197.9	17,600	17,600	17,600	45.1	174.6	14,500	14,500	29.4	102.0	12,000	12,000	180		
175	80	190	45.7	188.1	16,700	16,700	16,700	41.5	162.1	13,900	13,900	24.4	83.7	11,900	11,900	190		
175	80	200	42.4	177.2	15,800	15,800	15,800	37.8	150.9	13,300	13,300	19.4	62.5	11,800	11,800	200		
175	80	210	38.9	164.9	14,300	14,300	14,300	33.3	131.1	12,800	12,800	14.4	49.2	11,700	11,700	210		
175	80	220	35.1	150.9	13,000	13,000	13,000	28.2	110.6	12,300	12,300	10.2	37.0	11,600	11,600	220		
175	80	230	30.8	134.5	13,000	13,000	13,000	21.6	85.5	11,900	11,900	7.9	27.9	11,500	11,500	230		
175	80	240	25.9	114.8	12,400	12,400	12,400	15.7	62.5	11,900	11,900	5.3	20.3	11,400	11,400	240		
175	80	250	19.8	89.2	11,900	11,900	11,900	11.9	47.4	11,900	11,900	3.8	15.3	11,300	11,300	250		
175	80	260	10.4	47.7	11,900	11,900	11,900	8.7	27.3	11,900	11,900	2.9	13.9	11,200	11,200	260		
175	80	270														270		
175	80	280														280		

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348 HYLAB 5 - w/ 80" x 95" Heavy Duty & 68" x 80" Long Range Boom, w/ 39" x 48" Tubular Jib, w/ 221.1K+75K Cwt  
Refer to the Tubular Jib Notes for Long Range Boom in this Crane Rating Manual before operating the crane.

Table with columns: Boom Length (ft), Jib Length (ft), Jib Load Radius (ft), Boom Angle (deg), Jib Point Height (ft), Jib Capacity (lbs) [Over End Blocked, Extended, Retracted], Boom Angle (deg), Jib Point Height (ft), Jib Capacity (lbs) [Over End Blocked, Extended, Retracted], Boom Angle (deg), Jib Point Height (ft), Jib Capacity (lbs) [Over End Blocked, Extended, Retracted], Boom Angle (deg), Jib Point Height (ft), Jib Capacity (lbs) [Over End Blocked, Extended, Retracted].

Link-Belt Construction Equipment Company  
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348 HYLAB 5 - w/ 80" x 95" Heavy Duty & 68" x 80" Long Range Boom, w/ 39" x 48" Tubular Jib, w/ 221.1K+75K Cwt  
Refer to the Tubular Jib Notes for Long Range Boom in this Crane Rating Manual before operating the crane.

Boom Length (ft)	Jib Length (ft)	Jib Load Radius (ft)	5 Degrees			15 Degrees			25 Degrees			Jib Load Radius (ft)	
			Boom Angle (deg)	Jib Point Height (ft)	Jib Capacity (lbs)			Boom Angle (deg)	Jib Point Height (ft)	Jib Capacity (lbs)			
					Over End Blocked	Extended	Retracted			Over End Blocked	Extended		Retracted
185	40	39.99	82.0	233.8	80,800	80,800	80,800	81.1	230.9	59,300	59,300	59,300	39.99
185	40	45	80.7	232.9	76,700	76,700	76,700	79.8	229.9	56,400	56,400	56,400	45
185	40	50	79.4	232.0	72,200	72,200	72,200	78.5	229.9	53,700	53,700	53,700	50
185	40	55	78.2	230.9	68,100	68,100	68,100	77.8	228.7	51,300	51,300	51,300	55
185	40	60	76.9	229.7	64,400	64,400	64,400	77.2	227.4	49,100	49,100	49,100	60
185	40	65	75.6	228.4	61,000	61,000	61,000	75.9	225.9	47,000	47,000	47,000	65
185	40	70	74.3	227.0	57,900	57,900	57,900	74.6	224.4	45,100	45,100	45,100	70
185	40	75	73.0	225.4	55,100	55,100	55,100	73.3	222.7	43,300	43,300	43,300	75
185	40	80	71.6	223.7	52,600	52,600	52,600	71.9	220.9	41,700	41,700	41,700	80
185	40	85	70.3	221.9	50,200	50,200	50,200	70.6	218.9	39,900	39,900	39,900	85
185	40	90	69.0	220.0	48,100	48,100	48,100	67.8	216.6	37,300	37,300	37,300	90
185	40	100	66.2	215.7	44,200	44,200	44,200	65.0	209.7	34,900	34,900	34,900	100
185	40	110	63.4	210.8	40,900	40,900	40,900	62.2	204.1	32,900	32,900	32,900	110
185	40	120	60.6	205.3	39,200	39,200	39,200	59.2	197.9	31,100	31,100	31,100	120
185	40	130	57.6	199.1	36,600	36,600	36,600	56.1	190.9	29,500	29,500	29,500	130
185	40	140	54.6	192.1	34,300	34,300	34,300	52.9	183.1	28,000	28,000	28,000	140
185	40	150	51.4	184.4	32,300	32,300	32,300	49.5	174.2	26,700	26,700	26,700	150
185	40	160	48.0	175.6	30,500	30,500	30,500	46.0	164.3	25,500	25,500	25,500	160
185	40	170	44.5	165.8	28,800	28,800	28,800	42.2	153.0	24,400	24,400	24,400	170
185	40	180	40.8	154.6	27,300	27,300	27,300	38.1	140.0	23,300	23,300	23,300	180
185	40	190	36.7	141.7	26,000	26,000	26,000	34.3	126.6	22,500	22,500	22,500	190
185	40	200	32.1	126.6	24,700	24,700	24,700	28.1	106.0	21,700	21,700	21,700	200
185	40	210	26.9	108.3	23,600	23,600	23,600	21.4	81.4	19,400	19,400	19,400	210
185	40	220	20.4	84.4	22,500	22,500	22,500						220
185	40	230	10.4	45.8	19,700	19,700	19,700						230
185	60	44.49	82.0	253.2	62,400	62,400	62,400	81.9	249.9	44,400	44,400	44,400	44.49
185	60	45	80.7	252.3	58,300	58,300	58,300	80.7	248.8	42,300	42,300	42,300	45
185	60	50	79.5	251.3	55,000	55,000	55,000	79.5	247.6	40,300	40,300	40,300	50
185	60	55	78.4	250.2	52,000	52,000	52,000	78.3	246.3	39,700	39,700	39,700	55
185	60	60	77.2	249.0	49,200	49,200	49,200	77.1	244.9	38,000	38,000	38,000	60
185	60	65	76.0	247.7	46,700	46,700	46,700	75.9	243.3	36,500	36,500	36,500	65
185	60	70	74.8	246.3	44,400	44,400	44,400	74.6	241.7	35,100	35,100	35,100	70
185	60	75	73.6	244.8	42,300	42,300	42,300	73.4	239.9	33,800	33,800	33,800	75
185	60	80	72.4	243.1	40,400	40,400	40,400	70.9	236.0	32,600	32,600	32,600	80
185	60	85	71.1	241.4	39,800	39,800	39,800	68.4	231.5	31,400	31,400	31,400	85
185	60	90	69.7	237.5	38,600	38,600	38,600	65.8	226.5	29,300	29,300	29,300	90
185	60	100	68.1	233.0	38,800	38,800	38,800	63.1	220.9	27,800	27,800	27,800	100
185	60	110	66.6	228.1	31,300	31,300	31,300	60.4	207.8	23,000	23,000	23,000	110
185	60	120	63.6	222.6	29,200	29,200	29,200	57.6	200.2	21,800	21,800	21,800	120
185	60	130	60.9	222.6	29,200	29,200	29,200	54.7	200.2	21,800	21,800	21,800	130
185	60	140	58.2	216.4	27,300	27,300	27,300	51.6	191.6	20,700	20,700	20,700	140
185	60	150	55.4	209.5	25,600	25,600	25,600	48.4	182.1	19,800	19,800	19,800	150
185	60	160	52.5	201.9	24,100	24,100	24,100	45.0	171.4	18,900	18,900	18,900	160
185	60	170	49.5	193.5	22,800	22,800	22,800	41.4	159.3	18,100	18,100	18,100	170
185	60	180	46.3	184.1	21,600	21,600	21,600	37.4	145.4	17,300	17,300	17,300	180
185	60	190	43.0	173.5	20,500	20,500	20,500	33.0	129.2	16,700	16,700	16,700	190
185	60	200	39.4	161.6	19,400	19,400	19,400	27.8	109.4	16,100	16,100	16,100	200
185	60	210	35.5	147.9	18,500	18,500	18,500	21.3	83.2	15,500	15,500	15,500	210
185	60	220	31.1	132.0	17,700	17,700	17,700						220
185	60	230	26.1	112.7	16,900	16,900	16,900						230
185	60	240	19.9	87.7	16,100	16,100	16,100						240
185	60	250	10.2	47.1	15,500	15,500	15,500						250

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348 HYLAB 5 - w/ 80" x 95" Heavy Duty & 68" x 80" Long Range Boom, w/ 39" x 48" Tubular Jib, w/ 221.1K+75K Cwt  
Refer to the Tubular Jib Notes for Long Range Boom in this Crane Rating Manual before operating the crane.

Boom Length (ft)	Jib Length (ft)	Jib Load Radius (ft)	5 Degrees			15 Degrees			25 Degrees			Jib Load Radius (ft)	
			Boom Angle (deg)	Jib Point Height (ft)	Jib Capacity (lbs)			Boom Angle (deg)	Jib Point Height (ft)	Jib Capacity (lbs)			
					Over End Blocked	Extended	Retracted			Over End Blocked	Extended		Retracted
185	80	48.99	82.0	272.7	49,400	49,400	49,400	81.4	267.8	34,300	34,300	34,300	48.99
185	80	50	81.8	272.6	48,800	48,800	48,800	80.3	266.6	32,800	32,800	32,800	50
185	80	55	80.7	271.7	46,000	46,000	46,000	79.2	265.3	31,400	31,400	31,400	55
185	80	60	79.6	270.7	43,500	43,500	43,500	78.1	263.9	30,100	30,100	30,100	60
185	80	65	78.5	269.6	41,200	41,200	41,200	76.9	262.3	29,000	29,000	29,000	65
185	80	70	77.4	268.4	40,200	40,200	40,200	75.8	260.7	27,800	27,800	27,800	70
185	80	75	76.3	267.0	38,400	38,400	38,400	74.1	258.8	26,300	26,300	26,300	75
185	80	80	75.2	265.6	36,600	36,600	36,600	73.5	257.1	25,800	25,800	25,800	80
185	80	85	74.1	264.1	34,900	34,900	34,900	72.2	255.0	24,100	24,100	24,100	85
185	80	90	73.0	262.5	33,300	33,300	33,300	71.2	253.0	22,500	22,500	22,500	90
185	80	100	70.7	258.9	30,600	30,600	30,600	68.8	248.5	21,100	21,100	21,100	100
185	110	110	68.4	254.9	28,200	28,200	28,200	66.4	243.4	19,900	19,900	19,900	110
185	80	120	66.1	250.4	26,100	26,100	26,100	64.0	237.8	18,800	18,800	18,800	120
185	80	130	63.7	245.4	24,300	24,300	24,300	61.4	231.7	17,700	17,700	17,700	130
185	80	140	61.2	239.8	22,700	22,700	22,700	58.8	224.8	16,800	16,800	16,800	140
185	80	150	58.7	233.7	21,200	21,200	21,200	56.1	217.3	16,000	16,000	16,000	150
185	80	160	56.1	226.9	19,900	19,900	19,900	54.4	209.0	15,200	15,200	15,200	160
185	80	170	53.5	219.5	18,800	18,800	18,800	52.6	204.5	14,700	14,700	14,700	170
185	80	180	50.7	211.3	17,700	17,700	17,700	49.5	198.8	14,100	14,100	14,100	180
185	80	190	47.8	202.2	16,800	16,800	16,800	46.1	192.1	13,500	13,500	13,500	190
185	80	200	44.8	192.1	15,900	15,900	15,900	42.5	185.6	12,800	12,800	12,800	200
185	80	210	41.6	180.9	15,100	15,100	15,100	38.5	178.2	12,200	12,200	12,200	210
185	80	220	38.1	168.3	14,400	14,400	14,400	34.0	165.4	11,600	11,600	11,600	220
185	80	230	34.4	153.9	13,700	13,700	13,700	30.2	157.7	11,000	11,000	11,000	230
185	80	240	30.2	137.1	13,100	13,100	13,100	27.3	148.0	10,400	10,400	10,400	240
185	80	250	25.4	116.9	12,500	12,500	12,500	24.8	137.7	9,900	9,900	9,900	250
185	80	260	20.4	90.8	12,000	12,000	12,000	21.1	126.1	9,300	9,300	9,300	260
185	80	270	10.1	48.4	11,500	11,500	11,500	18.6	86.8	8,500	8,500	8,500	270
185	290	290	10.0	49.7	8,500	8,500	8,500	21.1	86.8	8,500	8,500	8,500	290

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348 HYLAB 5 - w/ 80" x 95" Heavy Duty & 68" x 80" Long Range Boom, w/ 39" x 48" Tubular Jib, w/ 221.1K+75K Cwt  
Refer to the Tubular Jib Notes for Long Range Boom in this Crane Rating Manual before operating the crane.

Boom Length (ft)	Jib Length (ft)	Jib Load Radius (ft)	5 Degrees			15 Degrees			25 Degrees			Jib Load Radius (ft)						
			Boom Angle (deg)	Jib Point Height (ft)	Jib Capacity (lbs)			Boom Angle (deg)	Jib Point Height (ft)	Jib Capacity (lbs)								
					Over End Blocked	Extended	Retracted			Over End Blocked	Extended		Retracted	Over End Blocked	Extended	Retracted		
185	120	57.99	82.0	311.7	32,800	32,700	32,800	81.6	304.7	22,100	22,100	22,100	81.3	294.2	14,100	14,100	14,100	57.99
185	120	60	81.6	310.4	31,700	31,700	31,700	80.6	303.4	21,200	21,200	21,200	79.3	290.7	14,100	14,100	14,100	60
185	120	65	80.7	310.4	30,100	30,100	30,100	80.6	302.0	20,400	20,400	20,400	79.3	287.6	13,900	13,900	13,900	65
185	120	70	79.7	309.4	28,700	28,700	28,700	79.7	298.9	18,900	18,800	18,800	77.7	277.6	12,300	12,300	12,300	70
185	120	75	78.8	308.2	27,300	27,300	27,300	78.8	295.4	17,500	17,500	17,500	75.7	272.4	11,600	11,600	11,600	75
185	120	80	77.8	307.0	26,100	26,100	26,100	77.8	291.6	16,300	16,300	16,300	72.2	268.8	11,000	11,000	11,000	80
185	120	85	76.9	305.7	25,000	24,900	24,900	76.9	287.3	15,200	15,200	15,200	70.9	266.6	10,400	10,400	10,400	85
185	120	90	75.9	304.3	24,900	24,900	24,900	75.9	283.6	14,200	14,200	14,200	70.9	262.4	9,900	9,900	9,900	90
185	120	100	73.9	301.3	22,800	22,800	22,800	73.9	277.4	13,300	13,300	13,300	70.9	255.5	9,400	9,400	9,400	100
185	120	110	72.0	297.8	21,000	21,000	21,000	72.0	271.8	12,500	12,500	12,500	68.7	251.7	8,900	8,900	8,900	110
185	120	120	70.0	294.0	19,300	19,400	19,400	70.0	267.7	11,800	11,800	11,800	66.5	247.6	8,500	8,500	8,500	120
185	120	130	68.0	289.7	17,900	17,900	17,900	68.0	259.0	11,100	11,100	11,100	64.2	241.1	8,100	8,100	8,100	130
185	120	140	66.9	285.1	16,600	16,600	16,600	66.9	251.7	10,500	10,500	10,500	61.8	237.9	7,800	7,800	7,800	140
185	120	150	63.8	280.0	15,500	15,500	15,500	63.8	243.7	9,900	9,900	9,900	59.3	233.1	7,400	7,400	7,400	150
185	120	160	61.7	274.4	14,500	14,500	14,500	61.7	235.1	9,400	9,400	9,400	56.8	229.0	7,100	7,100	7,100	160
185	120	170	59.5	268.3	13,500	13,500	13,500	59.5	226.7	8,900	8,900	8,900	54.1	221.3	6,800	6,800	6,800	170
185	120	180	57.3	261.7	12,700	12,700	12,700	57.3	225.6	8,500	8,500	8,500	51.4	219.3	6,600	6,600	6,600	180
185	120	190	55.0	254.5	11,900	11,900	11,900	55.0	215.2	8,100	8,100	8,100	48.4	215.2	6,400	6,400	6,400	190
185	120	200	52.6	246.6	11,200	11,200	11,200	52.6	212.8	7,700	7,700	7,700	45.3	211.1	6,200	6,200	6,200	200
185	120	210	50.2	238.1	10,600	10,600	10,600	50.2	208.6	7,300	7,300	7,300	43.1	208.6	6,000	6,000	6,000	210
185	120	220	47.7	228.1	10,000	10,000	10,000	47.7	205.9	6,900	6,900	6,900	41.9	205.9	5,800	5,800	5,800	220
185	120	230	45.0	218.5	9,400	9,400	9,400	45.0	203.8	6,500	6,500	6,500	41.9	203.8	5,600	5,600	5,600	230
185	120	240	42.2	207.3	8,900	8,900	8,900	42.2	201.8	6,200	6,200	6,200	41.9	201.8	5,400	5,400	5,400	240
185	120	250	39.2	194.8	8,500	8,500	8,500	39.2	191.1	5,900	5,900	5,900	41.9	191.1	5,200	5,200	5,200	250
185	120	260	36.0	180.9	8,000	8,000	8,000	36.0	186.9	5,600	5,600	5,600	41.9	186.9	5,000	5,000	5,000	260
185	120	270	32.6	165.1	7,600	7,600	7,600	32.6	182.3	5,300	5,300	5,300	41.9	182.3	4,900	4,900	4,900	270
185	120	280	28.7	146.8	7,200	7,200	7,200	28.7	178.9	5,000	5,000	5,000	41.9	178.9	4,700	4,700	4,700	280
185	120	290	24.2	124.9	6,900	6,900	6,900	24.2	175.7	4,800	4,800	4,800	41.9	175.7	4,500	4,500	4,500	290
185	120	300	18.6	96.6	6,600	6,600	6,600	18.6	172.3	4,600	4,600	4,600	28.6	172.3	4,300	4,300	4,300	300
185	120	310	9.9	50.9	6,300	6,300	6,300	9.9	168.5	4,400	4,400	4,400	28.6	168.5	4,100	4,100	4,100	310

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348 HYLAB 5 - w/ 80" x 95" Heavy Duty & 68" x 80" Long Range Boom, w/ 39" x 48" Tubular Jib, w/ 221.1K+75K Cwt  
Refer to the Tubular Jib Notes for Long Range Boom in this Crane Rating Manual before operating the crane.

Boom Length (ft)	Jib Length (ft)	Jib Load Radius (ft)	Jib Angle to Boom										Jib Load Radius (ft)								
			5 Degrees					15 Degrees						25 Degrees							
			Boom Angle (deg)	Jib Point Height (ft)	Over End Blocked	Extended	Retracted	Boom Angle (deg)	Jib Point Height (ft)	Over End Blocked	Extended	Retracted		Boom Angle (deg)	Jib Point Height (ft)	Over End Blocked	Extended	Retracted			
185	140	290	31.8	170.4	5,500	5,500	5,500	5,500	5,500	5,500	35.3	165.4	5,000	5,000	5,000	37.9	155.1	4,700	4,700	4,700	290
185	140	300	28.0	151.5	5,200	5,200	5,200	5,200	5,200	5,200	31.4	145.8	4,800	4,800	4,800	33.7	133.8	4,500	4,500	4,500	300
185	140	310	23.7	128.7	4,900	4,900	4,900	4,900	4,900	4,900	26.8	121.9	4,600	4,600	4,600	28.6	107.1	4,300	4,300	4,300	310
185	140	320	18.3	99.4	4,700	4,700	4,700	4,700	4,700	4,700	21.0	90.2	4,400	4,400	4,400	28.6	107.1	4,100	4,100	4,100	320
185	140	330	9.8	52.0	4,400	4,400	4,400	4,400	4,400	4,400						28.6	107.1	4,100	4,100	4,100	330
195	40	41.38	82.0	243.7	71,700	71,700	71,700	71,700	71,700	71,700	81.5	241.1	59,000	59,000	59,000	81.8	238.1	42,400	42,400	42,400	41.38
195	40	45	81.1	243.1	71,400	71,400	71,400	71,400	71,400	71,400	80.3	240.1	56,100	56,100	56,100	80.5	236.9	42,400	42,400	42,400	45
195	40	50	79.9	242.2	71,100	71,100	71,100	71,100	71,100	71,100	79.0	239.0	53,500	53,500	53,500	79.3	235.6	42,400	42,400	42,400	50
195	40	55	78.7	241.1	67,800	67,800	67,800	67,800	67,800	67,800	77.8	237.7	51,100	51,100	51,100	78.0	234.3	42,300	42,300	42,300	55
195	40	60	77.4	240.0	64,200	64,200	64,200	64,200	64,200	64,200	76.5	236.3	48,900	48,900	48,900	76.8	232.8	42,300	42,300	42,300	60
195	40	65	76.2	238.8	60,900	60,900	60,900	60,900	60,900	60,900	75.3	234.9	46,900	46,900	46,900	75.5	231.1	40,700	40,700	40,700	65
195	40	70	75.0	237.4	57,900	57,900	57,900	57,900	57,900	57,900	74.0	233.2	45,100	45,100	45,100	74.2	229.4	40,200	40,200	40,200	70
195	40	75	73.7	235.9	55,200	55,200	55,200	55,200	55,200	55,200	72.7	231.5	43,300	43,300	43,300	72.9	227.5	38,900	38,900	38,900	75
195	40	80	72.4	234.3	52,600	52,600	52,600	52,600	52,600	52,600	71.5	229.6	41,700	41,700	41,700	71.2	225.6	37,700	37,700	37,700	80
195	40	85	71.2	232.6	50,300	50,300	50,300	50,300	50,300	50,300	68.8	225.6	39,900	39,900	39,900	70.2	223.3	35,400	35,400	35,400	85
195	40	90	69.9	230.7	48,200	48,200	48,200	48,200	48,200	48,200	66.2	220.9	37,300	37,300	37,300	67.6	218.6	33,400	33,400	33,400	90
195	40	95	67.3	226.6	44,400	44,400	44,400	44,400	44,400	44,400	63.5	215.6	35,000	35,000	35,000	64.8	213.3	31,600	31,600	31,600	95
195	40	100	64.6	222.0	41,100	41,100	41,100	41,100	41,100	41,100	60.7	209.8	33,000	33,000	33,000	62.0	207.4	30,000	30,000	30,000	100
195	40	105	61.9	216.8	38,400	38,400	38,400	38,400	38,400	38,400	57.8	203.2	31,100	31,100	31,100	59.0	200.7	28,600	28,600	28,600	105
195	40	110	59.1	210.9	36,800	36,800	36,800	36,800	36,800	36,800	54.8	195.9	29,500	29,500	29,500	56.0	193.3	27,300	27,300	27,300	110
195	40	115	56.3	204.4	34,500	34,500	34,500	34,500	34,500	34,500	51.7	187.5	28,100	28,100	28,100	52.8	185.0	26,100	26,100	26,100	115
195	40	120	53.3	197.1	32,500	32,500	32,500	32,500	32,500	32,500	49.5	182.5	26,500	26,500	26,500	46.0	165.2	24,100	24,100	24,100	120
195	40	125	50.2	189.0	30,600	30,600	30,600	30,600	30,600	30,600	44.9	168.2	25,500	25,500	25,500	42.2	153.3	23,200	23,200	23,200	125
195	40	130	47.0	184.7	29,000	29,000	29,000	29,000	29,000	29,000	41.2	156.5	24,400	24,400	24,400	38.1	139.6	22,400	22,400	22,400	130
195	40	135	43.5	179.9	27,500	27,500	27,500	27,500	27,500	27,500	37.2	143.1	23,400	23,400	23,400	33.4	123.3	21,700	21,700	21,700	135
195	40	140	39.8	158.1	26,100	26,100	26,100	26,100	26,100	26,100	27.9	108.2	21,600	21,600	21,600	28.0	103.3	21,100	21,100	21,100	140
195	40	145	35.8	144.9	24,900	24,900	24,900	24,900	24,900	24,900	20.9	83.0	19,200	19,200	19,200			19,200	19,200	19,200	145
195	40	150	31.4	129.4	23,700	23,700	23,700	23,700	23,700	23,700											150
195	40	155	26.3	110.6	22,100	22,100	22,100	22,100	22,100	22,100											155
195	40	160	19.9	86.1	19,700	19,700	19,700	19,700	19,700	19,700											160
195	40	165	10.1	46.6	17,100	17,100	17,100	17,100	17,100	17,100											165
195	60	45.88	82.0	263.2	60,500	60,500	60,500	60,500	60,500	60,500	81.0	259.0	42,100	42,100	42,100	80.9	253.7	28,200	28,200	28,200	45.88
195	60	50	81.1	262.5	58,000	58,000	58,000	58,000	58,000	58,000	79.9	257.9	40,200	40,200	40,200	79.7	252.4	28,200	28,200	28,200	50
195	60	55	79.9	261.5	54,800	54,800	54,800	54,800	54,800	54,800	78.8	256.6	39,600	39,600	39,600	78.5	250.9	28,200	28,200	28,200	55
195	60	60	78.8	260.5	51,900	51,900	51,900	51,900	51,900	51,900	77.7	255.3	38,000	38,000	38,000	77.3	249.3	28,200	28,200	28,200	60
195	60	65	77.7	259.3	49,200	49,200	49,200	49,200	49,200	49,200	76.6	254.8	36,500	36,500	36,500	76.3	247.5	28,200	28,200	28,200	65
195	60	70	76.5	258.1	46,700	46,700	46,700	46,700	46,700	46,700	75.4	252.5	35,000	35,000	35,000	75.1	246.7	28,200	28,200	28,200	70
195	60	75	75.4	256.7	44,400	44,400	44,400	44,400	44,400	44,400	74.2	252.2	33,700	33,700	33,700	73.7	243.7	27,300	27,300	27,300	75
195	60	80	74.2	255.2	42,400	42,400	42,400	42,400	42,400	42,400	73.1	252.2	32,500	32,500	32,500	73.0	243.7	27,300	27,300	27,300	80
195	60	85	73.1	253.7	40,500	40,500	40,500	40,500	40,500	40,500	72.1	250.5	31,400	31,400	31,400	71.3	239.5	25,700	25,700	25,700	85
195	60	90	71.9	252.0	39,900	39,900	39,900	39,900	39,900	39,900	71.7	246.7	31,400	31,400	31,400	70.7	243.7	27,300	27,300	27,300	90
195	60	95	69.5	248.2	36,700	36,700	36,700	36,700	36,700	36,700	69.3	242.5	29,300	29,300	29,300	68.8	234.6	24,300	24,300	24,300	95
195	60	100	67.1	244.0	33,900	33,900	33,900	33,900	33,900	33,900	66.8	237.7	27,500	27,500	27,500	66.2	229.3	23,100	23,100	23,100	100
195	60	110	64.7	239.3	31,500	31,500	31,500	31,500	31,500	31,500	64.3	232.5	25,800	25,800	25,800	63.6	223.3	21,900	21,900	21,900	110
195	60	120	62.2	234.1	29,400	29,400	29,400	29,400	29,400	29,400	61.7	226.6	24,400	24,400	24,400	60.9	216.7	20,900	20,900	20,900	120
195	60	130	62.2	234.1	29,400	29,400	29,400	29,400	29,400	29,400	60.9	220.1	23,000	23,000	23,000	58.2	209.3	20,000	20,000	20,000	130
195	60	140	62.2	234.1	29,400	29,400	29,400	29,400	29,400	29,400	59.0	212.8	21,900	21,900	21,900	55.1	201.2	19,100	19,100	19,100	140
195	60	150	56.9	221.7	25,800	25,800	25,800	25,800	25,800	25,800	55.2	209.3	20,800	20,800	20,800	52.1	192.2	18,400	18,400	18,400	150
195	60	160	54.2	214.6	24,300	24,300	24,300	24,300	24,300	24,300	53.4	201.2	20,800	20,800	20,800	48.9	182.1	17,700	17,700	17,700	160
195	60	170	51.4	206.7	22,900	22,900	22,900	22,900	22,900	22,900	50.5	196.0	19,800	19,800	19,800	45.5	175.1	16,400	16,400	16,400	170
195	60	180	48.4	197.9	21,700	21,700	21,700	21,700	21,700	21,700	47.3	186.2	18,900	18,900	18,900	41.9	162.7	15,700	15,700	15,700	180
195	60	190	45.3	188.2	20,600	20,600	20,600	20,600	20,600	20,600	44.0	175.1	18,100	18,100	18,100	37.8	143.3	15,900	15,900	15,900	190
195	60	200	42.1	177.3	19,600	19,600	19,600	19,600	19,600	19,600	40.4	162.7	17,300	17,300	17,300	33.3	125.8	15,400	15,400	15,400	200
195	60	210	38.6	165.0	18,600	18,600	18,600	18,600	18,600	18,600	36.6	148.4	16,700	16,700	16,700	28.0	104.3	15,000			

348 HYLAB 5 - w/ 80" x 95" Heavy Duty & 68" x 80" Long Range Boom, w/ 39" x 48" Tubular Jib, w/ 221.1K+75K Cwt  
Refer to the Tubular Jib Notes for Long Range Boom in this Crane Rating Manual before operating the crane.

Boom Length (ft)	Jib Length (ft)	Jib Load Radius (ft)	5 Degrees			15 Degrees			25 Degrees			Jib Load Radius (ft)						
			Boom Angle (deg)	Jib Point Height (ft)	Jib Capacity (lbs)			Boom Angle (deg)	Jib Point Height (ft)	Jib Capacity (lbs)								
					Over End Blocked	Extended	Retracted			Over End Blocked	Extended		Retracted	Over End Blocked	Extended	Retracted		
195	80	50.38	82.0	282.8	48,300	48,300	48,300	81.7	278.0	34,200	34,200	34,200	81.4	287.6	16,900	16,900	16,900	54.88
195	80	55	80.0	280.9	45,900	43,400	43,400	80.6	276.9	32,700	32,700	32,700	81.4	287.6	16,900	16,900	16,900	55
195	80	60	81.0	279.8	41,200	41,200	41,100	80.6	275.9	31,300	31,300	31,300	81.4	287.6	16,900	16,900	16,900	60
195	80	65	78.9	278.6	39,500	39,500	40,100	79.6	275.6	30,100	30,100	30,100	81.4	287.6	16,900	16,900	16,900	65
195	80	70	77.9	278.6	38,400	38,400	38,400	79.6	275.6	30,100	30,100	30,100	81.4	287.6	16,900	16,900	16,900	70
195	80	75	76.8	277.4	38,400	38,400	38,400	78.5	274.2	28,900	28,900	28,900	81.4	287.6	16,900	16,900	16,900	75
195	80	80	75.7	276.0	36,000	36,000	36,000	77.4	272.8	27,800	27,800	27,800	81.4	287.6	16,900	16,900	16,900	80
195	80	85	74.7	274.6	35,000	35,000	35,000	76.3	271.2	25,800	25,800	25,800	81.4	287.6	16,900	16,900	16,900	85
195	80	90	73.6	273.0	33,400	33,400	33,400	74.1	267.8	24,100	24,100	24,100	81.4	287.6	16,900	16,900	16,900	90
195	80	100	71.4	269.6	30,700	30,700	30,700	71.9	263.9	22,500	22,500	22,500	81.4	287.6	16,900	16,900	16,900	100
195	80	110	69.2	265.7	28,300	28,300	28,300	69.7	259.5	21,100	21,100	21,100	81.4	287.6	16,900	16,900	16,900	110
195	80	120	67.0	261.4	26,200	26,200	26,200	67.4	254.7	19,900	19,900	19,900	81.4	287.6	16,900	16,900	16,900	120
195	80	130	64.7	256.6	24,400	24,400	24,400	65.0	249.3	18,800	18,800	18,800	81.4	287.6	16,900	16,900	16,900	130
195	80	140	62.4	251.3	22,800	22,800	22,800	62.6	243.5	17,800	17,800	17,800	81.4	287.6	16,900	16,900	16,900	140
195	80	150	60.0	245.5	21,300	21,300	21,400	60.1	237.0	16,900	16,900	16,900	81.4	287.6	16,900	16,900	16,900	150
195	80	160	57.5	239.1	20,100	20,100	20,100	57.6	229.9	15,900	15,900	15,900	81.4	287.6	16,900	16,900	16,900	160
195	80	170	55.0	232.0	18,900	18,900	18,900	55.0	222.1	15,200	15,200	15,200	81.4	287.6	16,900	16,900	16,900	170
195	80	180	52.4	224.3	17,800	17,800	17,800	52.2	213.5	14,500	14,500	14,500	81.4	287.6	16,900	16,900	16,900	180
195	80	190	49.7	215.8	16,900	16,900	16,900	49.4	204.0	13,900	13,900	13,900	81.4	287.6	16,900	16,900	16,900	190
195	80	200	46.9	206.4	16,000	16,000	16,000	46.4	193.5	13,300	13,300	13,300	81.4	287.6	16,900	16,900	16,900	200
195	80	210	43.9	196.0	15,200	15,200	15,200	43.2	181.8	12,800	12,800	12,800	81.4	287.6	16,900	16,900	16,900	210
195	80	220	40.8	184.5	14,400	14,400	14,400	40.8	168.6	12,300	12,300	12,300	81.4	287.6	16,900	16,900	16,900	220
195	80	230	37.4	171.5	13,800	13,800	13,800	36.0	153.5	11,800	11,800	11,800	81.4	287.6	16,900	16,900	16,900	230
195	80	240	33.7	156.8	13,100	13,100	13,100	31.8	135.9	11,400	11,400	11,400	81.4	287.6	16,900	16,900	16,900	240
195	80	250	29.6	139.6	12,500	12,500	12,500	26.9	114.6	11,000	11,000	11,000	81.4	287.6	16,900	16,900	16,900	250
195	80	260	24.9	119.0	12,000	12,000	12,000	20.7	86.4	11,000	11,000	11,000	81.4	287.6	16,900	16,900	16,900	260
195	80	270	19.0	92.3	11,500	11,500	11,500						27.9	105.3	11,100	11,100	11,100	270
195	80	280	9.9	49.1	11,000	11,000	11,000										280	



348 HYLAB 5 - w/ 80" x 95" Heavy Duty & 68" x 80" Long Range Boom, w/ 39" x 48" Tubular Jib, w/ 221.1K+75K Cwt  
Refer to the Tubular Jib Notes for Long Range Boom in this Crane Rating Manual before operating the crane.

Boom Length (ft)	Jib Length (ft)	Jib Load Radius (ft)	Jib Angle to Boom												Jib Load Radius (ft)						
			5 Degrees						15 Degrees							25 Degrees					
			Boom Angle (deg)	Jib Point Height (ft)	Jib Capacity (lbs)			Boom Angle (deg)	Jib Point Height (ft)	Jib Capacity (lbs)			Boom Angle (deg)	Jib Point Height (ft)		Jib Capacity (lbs)					
					Over End Blocked	Extended	Retracted			Over End Blocked	Extended	Retracted				Over End Blocked	Extended	Retracted			
195	120	59.38	82.0	321.6	31,400	31,400	31,400	81.9	315.0	22,000	22,000	22,000	81.6	304.6	14,100	14,100	14,100	59.38			
195	120	60	81.9	321.5	31,400	31,400	31,400	81.9	313.7	21,100	21,100	21,100	81.6	301.2	14,100	14,100	14,100	60			
195	120	65	81.0	320.6	31,300	31,300	31,300	80.0	312.3	20,300	20,300	20,300	81.6	304.6	14,100	14,100	14,100	65			
195	120	70	80.1	319.6	30,100	30,100	30,000	78.1	309.4	18,800	18,800	18,800	79.6	301.2	14,100	14,100	14,100	65			
195	120	75	79.1	318.5	28,600	28,600	28,600	76.2	306.0	17,400	17,400	17,400	77.7	297.4	13,800	13,800	13,800	70			
195	120	80	78.2	317.3	27,300	27,300	27,300	74.5	302.3	16,200	16,200	16,200	75.7	293.2	13,000	13,000	13,000	75			
195	120	85	77.3	316.1	26,100	26,100	26,100	72.3	302.3	15,200	15,200	15,200	73.6	288.6	12,200	12,200	12,200	80			
195	120	90	76.3	314.7	24,900	24,900	24,900	70.3	306.0	14,200	14,200	14,200	71.6	283.6	11,500	11,500	11,500	85			
195	120	100	74.5	311.7	22,900	22,900	22,900	68.3	302.3	12,500	12,500	12,500	69.5	278.1	10,900	10,900	10,900	90			
195	120	110	72.6	308.4	21,000	21,000	21,000	66.2	302.3	11,800	11,800	11,800	67.3	272.1	10,300	10,300	10,300	90			
195	120	120	70.7	304.7	19,400	19,400	19,400	64.1	277.4	11,800	11,800	11,800	65.1	265.5	9,800	9,800	9,800	100			
195	120	130	68.7	300.7	18,000	18,000	18,000	62.0	271.0	11,100	11,100	11,100	62.9	258.4	9,300	9,300	9,300	110			
195	120	140	66.7	296.2	16,700	16,700	16,700	59.7	264.1	10,500	10,500	10,500	60.5	250.7	8,900	8,900	8,900	120			
195	120	150	64.7	291.3	15,600	15,600	15,600	57.5	256.5	9,900	9,900	9,900	58.1	242.3	8,400	8,400	8,400	130			
195	120	160	62.7	285.9	14,500	14,500	14,500	55.1	248.3	9,400	9,400	9,400	55.6	233.2	8,000	8,000	8,000	140			
195	120	170	60.6	280.1	13,600	13,600	13,600	52.7	239.4	8,900	8,900	8,900	53.0	223.2	7,700	7,700	7,700	150			
195	120	180	58.5	273.7	12,700	12,700	12,700	50.2	229.7	8,500	8,500	8,500	50.3	219.0	7,400	7,400	7,400	160			
195	120	190	56.3	266.9	12,000	12,000	12,000	47.4	226.5	8,100	8,100	8,100	47.4	200.0	7,100	7,100	7,100	170			
195	120	200	54.0	259.4	11,300	11,300	11,300	44.8	219.3	7,700	7,700	7,700	44.3	186.5	6,800	6,800	6,800	180			
195	120	210	51.7	251.3	10,600	10,600	10,600	41.8	194.3	7,300	7,300	7,300	41.0	171.3	6,500	6,500	6,500	190			
195	120	220	49.3	242.5	10,000	10,000	10,000	38.6	179.8	7,000	7,000	7,000	37.3	153.8	6,300	6,300	6,300	200			
195	120	230	46.8	232.9	9,500	9,500	9,500	35.0	163.2	6,700	6,700	6,700	33.0	133.1	6,100	6,100	6,100	210			
195	120	240	44.2	222.4	9,000	9,000	9,000	31.1	144.0	6,400	6,400	6,400	27.9	107.2	5,900	5,900	5,900	220			
195	120	250	41.5	210.9	8,500	8,500	8,500	26.5	120.6	6,100	6,200	6,200						230			
195	120	260	38.6	198.2	8,000	8,000	8,000	20.6	89.6	5,900	5,900	5,900						240			
195	120	270	35.4	183.9	7,600	7,600	7,600											250			
195	120	280	32.0	167.8	7,200	7,200	7,200											260			
195	120	290	28.2	149.2	6,900	6,900	6,900											270			
195	120	300	23.8	126.8	6,600	6,600	6,600											300			
195	120	310	18.3	98.1	6,300	6,300	6,300											310			
195	120	320		51.5	6,000	6,000	6,000											320			

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**348 HYLAB 5 - w/ 80" x 95" Heavy Duty & 68" x 80" Long Range Boom, w/ 39" x 48" Tubular Jib, w/ 221.1K+75K Cwt**  
Refer to the Tubular Jib Notes for Long Range Boom in this Crane Rating Manual before operating the crane.

Boom Length (ft)	Jib Length (ft)	Jib Load Radius (ft)	Boom Angle (deg)	Jib Point Height (ft)	5 Degrees			15 Degrees			25 Degrees			Jib Load Radius (ft)				
					Jib Capacity (lbs)			Jib Capacity (lbs)			Jib Capacity (lbs)							
					Over End Blocked	Extended	Retracted	Over End Blocked	Extended	Retracted	Over End Blocked	Extended	Retracted					
195	140	280	37.6	204.6	5,800	5,800	5,800	41.1	200.3	5,200	5,200	5,200	44.0	191.5	4,800	4,800	4,800	280
195	140	290	34.6	189.8	5,500	5,500	5,500	38.0	185.1	5,000	5,000	5,000	40.7	175.5	4,600	4,600	4,600	290
195	140	300	31.3	173.1	5,200	5,200	5,200	34.6	167.9	4,700	4,700	4,700	37.1	157.1	4,400	4,400	4,400	300
195	140	310	27.6	153.7	4,900	4,900	4,900	30.8	147.8	4,500	4,500	4,500	32.9	135.4	4,300	4,300	4,300	310
195	140	320	23.3	130.6	4,600	4,600	4,600	26.3	123.5	4,300	4,300	4,300	27.9	108.1	4,100	4,100	4,100	320
195	140	330	18.0	100.8	4,400	4,400	4,400	20.5	91.2	4,100	4,100	4,100						330
195	140	340	9.6	52.7	4,200	4,200	4,200											340
205	40	42.77	82.0	253.6	65,200	65,200	65,200	81.9	251.3	58,600	58,600	58,600	80.9	247.2	42,400	42,400	42,400	42.77
205	40	45	81.5	253.2	65,000	65,000	65,000	80.7	250.3	55,800	55,800	55,800	80.9	247.2	42,400	42,400	42,400	45
205	40	50	80.3	252.3	64,600	64,600	64,600	79.5	249.2	53,300	53,300	53,300	79.7	245.9	42,400	42,400	42,400	50
205	40	55	79.1	251.4	64,200	64,200	64,200	78.3	248.0	50,900	50,900	50,900	78.5	244.6	42,100	42,100	42,100	55
205	40	60	78.0	250.3	63,700	63,700	63,700	77.1	246.7	48,800	48,800	48,800	77.3	243.2	40,600	40,600	40,600	60
205	40	65	76.8	249.1	60,600	60,600	60,600	75.9	245.3	46,800	46,800	46,800	76.1	241.6	40,100	40,100	40,100	65
205	40	70	75.6	247.8	57,700	57,700	57,700	74.7	243.8	44,900	44,900	44,900	74.9	240.0	38,800	38,800	38,800	70
205	40	75	74.4	246.4	55,000	55,000	55,000	73.5	242.1	43,200	43,200	43,200	73.6	238.2	37,500	37,500	37,500	75
205	40	80	73.2	244.8	52,600	52,600	52,600	72.2	240.3	41,600	41,600	41,600	71.1	234.2	35,300	35,300	35,300	80
205	40	85	72.0	243.2	50,300	50,300	50,300	70.9	238.4	39,900	39,900	39,900	70.5	232.0	33,300	33,300	33,300	85
205	40	90	70.7	241.4	48,200	48,200	48,200	69.8	236.4	38,000	38,000	38,000	68.5	229.7	31,500	31,500	31,500	90
205	40	100	68.3	237.5	44,400	44,400	44,400	67.2	232.0	37,300	37,300	37,300	66.5	224.7	29,900	29,900	29,900	100
205	40	110	65.7	233.1	41,200	41,200	41,200	66.6	227.0	35,000	35,000	35,000	65.3	221.4	28,500	28,500	28,500	110
205	40	120	63.2	228.1	38,500	38,500	38,500	62.0	221.4	33,000	33,000	33,000	60.5	219.1	26,700	26,700	26,700	120
205	40	130	60.5	222.6	36,900	36,900	36,900	59.4	215.2	31,200	31,200	31,200	60.5	212.8	25,000	25,000	25,000	130
205	40	140	57.8	216.4	34,600	34,600	34,600	56.4	208.3	29,500	29,500	29,500	57.7	205.8	23,200	23,200	23,200	140
205	40	150	55.0	209.6	32,600	32,600	32,600	53.5	200.7	28,100	28,100	28,100	54.7	205.8	21,200	21,200	21,200	150
205	40	160	52.1	202.0	30,800	30,800	30,800	50.5	192.2	26,500	26,500	26,500	51.6	189.5	19,800	19,800	19,800	160
205	40	170	49.1	193.5	29,100	29,100	29,100	47.3	182.7	25,000	25,000	25,000	48.4	187.8	18,600	18,600	18,600	170
205	40	180	45.9	184.1	27,600	27,600	27,600	43.9	172.0	23,400	23,400	23,400	44.9	169.0	17,500	17,500	17,500	180
205	40	190	42.6	173.6	26,200	26,200	26,200	40.3	160.0	22,300	22,300	22,300	41.2	142.5	16,600	16,600	16,600	190
205	40	200	39.0	161.6	25,000	25,000	25,000	36.3	146.2	21,200	21,200	21,200	32.6	125.8	15,800	15,800	15,800	200
205	40	210	35.1	148.0	23,900	23,900	23,900	31.9	130.0	19,900	19,900	19,900	27.3	105.4	14,300	14,300	14,300	210
205	40	220	30.7	132.1	21,500	21,500	21,500	26.8	110.3	18,900	18,900	18,900						220
205	40	230	25.7	112.8	19,200	19,200	19,200	20.4	84.6	16,800	16,800	16,800						230
205	40	240	19.5	87.8	17,100	17,100	17,100											240
205	40	250	9.9	47.4	14,700	14,300	12,000											250
205	60	47.27	82.0	273.1	55,600	55,600	55,600	81.4	269.2	41,900	41,900	41,900	81.2	264.0	28,200	28,200	28,200	47.27
205	60	50	81.4	272.6	55,400	55,400	55,400	80.3	268.1	40,100	40,100	40,100	80.1	262.7	28,200	28,200	28,200	50
205	60	55	80.3	271.7	54,500	54,500	54,500	79.2	266.1	39,500	39,500	39,500	79.0	261.3	28,200	28,200	28,200	55
205	60	60	79.2	270.7	51,700	51,700	51,700	78.3	262.7	37,900	37,900	37,900	77.8	259.7	28,200	28,200	28,200	60
205	60	65	78.1	269.6	49,000	49,000	49,000	77.1	260.6	36,400	36,400	36,400	77.8	258.1	28,200	28,200	28,200	65
205	60	70	77.0	268.4	46,600	46,600	46,600	75.9	256.6	35,000	35,000	35,000	76.7	256.1	28,200	28,200	28,200	70
205	60	75	75.9	267.1	44,400	44,400	44,400	74.7	254.5	33,700	33,700	33,700	74.4	254.4	27,200	27,200	27,200	75
205	60	80	74.8	265.7	42,400	42,400	42,400	73.5	252.7	32,400	32,400	32,400	73.2	252.7	26,200	26,200	26,200	80
205	60	85	73.7	264.2	40,500	40,500	40,500	72.4	251.3	31,400	31,400	31,400	72.0	250.3	25,700	25,700	25,700	85
205	60	90	72.6	262.5	40,000	40,000	40,000	70.9	248.9	29,300	29,300	29,300	70.6	247.2	24,300	24,300	24,300	90
205	60	100	70.3	259.0	38,800	36,800	36,800	70.1	245.4	28,500	28,500	28,500	69.6	245.7	23,000	23,000	23,000	100
205	60	110	68.0	254.9	34,100	34,100	34,100	68.8	243.8	27,500	27,500	27,500	67.2	240.6	23,000	23,000	23,000	110
205	60	120	65.7	250.4	31,600	31,600	31,600	65.4	238.2	25,800	25,800	25,800	64.7	235.0	21,900	21,900	21,900	120
205	60	130	63.3	245.4	29,500	29,500	29,500	62.9	233.0	24,400	24,400	24,400	62.1	228.7	20,900	20,900	20,900	130
205	60	140	60.8	239.9	27,600	27,600	27,600	60.4	225.2	23,100	23,100	23,100	59.5	221.8	19,900	19,900	19,900	140
205	60	150	58.3	233.7	25,900	25,900	25,900	57.8	222.5	21,900	21,900	21,900	56.8	217.7	19,100	19,100	19,100	150
205	60	160	55.8	227.0	24,400	24,400	24,400	55.1	219.4	20,800	20,800	20,800	53.9	211.3	18,300	18,300	18,300	160
205	60	170	53.1	219.5	23,000	23,000	23,000	52.3	209.4	19,800	19,800	19,800	51.0	205.7	18,300	18,300	18,300	170
205	60	180	50.3	211.3	21,800	21,800	21,800	49.4	200.3	18,900	18,900	18,900		196.4	17,600	17,600	17,600	180
205	60	190	47.5	202.2	20,700	20,700	20,700											190



348 HYLAB 5 - w/ 80" x 95" Heavy Duty & 68" x 80" Long Range Boom, w/ 39" x 48" Tubular Jib, w/ 221.1K+75K Cwt  
Refer to the Tubular Jib Notes for Long Range Boom in this Crane Rating Manual before operating the crane.

Boom Length (ft)	Jib Length (ft)	Jib Load Radius (ft)	Boom Angle (deg)	Jib Point Height (ft)	5 Degrees			15 Degrees			25 Degrees			Jib Load Radius (ft)
					Jib Capacity (lbs)			Jib Capacity (lbs)			Jib Capacity (lbs)			
					Over End Blocked	Extended	Retracted	Over End Blocked	Extended	Retracted	Over End Blocked	Extended	Retracted	
205	60	200	44.4	192.2	19,700	19,700	19,700	19,700	19,700	19,700	19,700	19,700	19,700	200
205	60	210	41.2	181.0	18,700	18,700	18,700	18,700	18,700	18,700	18,700	18,700	18,700	210
205	60	220	37.8	168.3	17,800	17,800	16,500	16,500	16,500	16,500	16,500	16,500	16,500	220
205	60	230	34.0	153.9	17,000	17,000	15,100	15,100	15,100	15,100	15,100	15,100	15,100	230
205	60	240	29.9	137.2	16,300	16,300	14,100	14,100	14,100	14,100	14,100	14,100	14,100	240
205	60	250	25.1	117.0	15,600	15,600	13,400	13,400	13,400	13,400	13,400	13,400	13,400	250
205	60	260	19.1	90.9	14,500	14,500	12,500	12,500	12,500	12,500	12,500	12,500	12,500	260
205	60	280	9.8	48.7	12,500	12,400	13,500	13,500	11,300	11,300	11,300	11,300	11,300	280
205	80	51.77	82.0	292.5	46,400	46,400	46,400	46,400	46,400	46,400	46,400	46,400	46,400	51.77
205	80	55	81.3	292.0	45,600	45,600	45,600	45,600	45,600	45,600	45,600	45,600	45,600	55
205	80	60	80.3	291.1	43,300	43,200	43,200	43,200	43,200	43,200	43,200	43,200	43,200	60
205	80	65	79.3	290.0	41,100	41,100	41,100	41,100	41,000	41,000	41,000	41,000	41,000	65
205	80	70	78.3	288.9	40,100	40,100	39,400	39,400	39,400	39,400	39,400	39,400	39,400	70
205	80	75	77.3	287.7	38,400	38,400	38,400	38,400	38,400	38,400	38,400	38,400	38,400	75
205	80	80	76.3	286.4	36,600	36,600	36,600	36,600	36,600	36,600	36,600	36,600	36,600	80
205	80	85	75.2	285.0	35,000	35,000	35,000	35,000	35,000	35,000	35,000	35,000	35,000	85
205	80	90	74.2	283.5	33,500	33,500	33,500	33,500	33,500	33,500	33,500	33,500	33,500	90
205	80	100	72.1	280.2	30,800	30,800	30,800	30,800	30,800	30,800	30,800	30,800	30,800	100
205	80	110	70.0	276.5	28,400	28,400	28,400	28,400	28,400	28,400	28,400	28,400	28,400	110
205	80	120	67.8	272.4	26,400	26,400	26,400	26,400	26,400	26,400	26,400	26,400	26,400	120
205	80	130	65.6	267.8	24,500	24,500	24,500	24,500	24,500	24,500	24,500	24,500	24,500	130
205	80	140	63.4	262.7	22,900	22,900	22,900	22,900	22,900	22,900	22,900	22,900	22,900	140
205	80	150	61.1	257.0	21,400	21,400	21,400	21,400	21,400	21,400	21,400	21,400	21,400	150
205	80	160	58.8	251.0	20,200	20,200	20,200	20,200	20,200	20,200	20,200	20,200	20,200	160
205	80	170	56.4	244.3	19,000	19,000	19,000	19,000	19,000	19,000	19,000	19,000	19,000	170
205	80	180	53.9	237.0	17,900	17,900	17,900	17,900	17,900	17,900	17,900	17,900	17,900	180
205	80	190	51.4	229.0	16,900	16,900	16,900	16,900	16,900	16,900	16,900	16,900	16,900	190
205	80	200	48.8	220.2	16,100	16,100	16,100	16,100	16,100	16,100	16,100	16,100	16,100	200
205	80	210	46.0	210.6	15,200	15,200	15,200	15,200	15,200	15,200	15,200	15,200	15,200	210
205	80	220	43.1	199.9	14,500	14,500	14,500	14,500	14,500	14,500	14,500	14,500	14,500	220
205	80	230	40.0	188.0	13,800	13,800	13,800	13,800	13,800	13,800	13,800	13,800	13,800	230
205	80	240	36.7	174.8	13,200	13,200	13,200	13,200	13,200	13,200	13,200	13,200	13,200	240
205	80	250	33.1	159.7	12,600	12,600	12,600	12,600	12,600	12,600	12,600	12,600	12,600	250
205	80	260	29.1	142.1	12,000	12,000	12,000	12,000	12,000	12,000	12,000	12,000	12,000	260
205	80	270	24.4	121.0	11,500	11,500	11,500	11,500	11,500	11,500	11,500	11,500	11,500	270
205	80	280	18.7	93.8	11,000	11,000	11,000	11,000	11,000	11,000	11,000	11,000	11,000	280
205	80	290	9.7	49.9	10,500	10,500	10,500	10,500	10,500	10,500	10,500	10,500	10,500	290
205	100	56.27	82.0	312.0	36,400	36,400	36,400	36,400	36,400	36,400	36,400	36,400	36,400	56.27
205	100	60	81.3	311.4	36,400	36,300	36,400	36,400	36,400	36,400	36,400	36,400	36,400	60
205	100	65	80.4	310.4	36,200	36,200	36,200	36,200	36,200	36,200	36,200	36,200	36,200	65
205	100	70	79.4	309.4	34,500	34,500	34,500	34,500	34,500	34,500	34,500	34,500	34,500	70
205	100	75	78.4	308.3	32,900	32,900	32,900	32,900	32,900	32,900	32,900	32,900	32,900	75
205	100	80	77.5	307.0	31,400	31,400	31,400	31,400	31,400	31,400	31,400	31,400	31,400	80
205	100	85	76.5	305.7	30,000	30,000	30,000	30,000	30,000	30,000	30,000	30,000	30,000	85
205	100	90	75.6	304.3	28,700	28,700	28,700	28,700	28,700	28,700	28,700	28,700	28,700	90
205	100	100	73.6	301.3	26,400	26,400	26,400	26,400	26,400	26,400	26,400	26,400	26,400	100
205	100	110	71.7	297.8	24,300	24,300	24,300	24,300	24,300	24,300	24,300	24,300	24,300	110
205	100	120	69.7	294.0	22,500	22,500	22,500	22,500	22,500	22,500	22,500	22,500	22,500	120
205	100	130	67.6	289.8	20,900	20,900	20,900	20,900	20,900	20,900	20,900	20,900	20,900	130
205	100	140	65.6	285.1	19,400	19,400	19,500	19,500	19,500	19,500	19,500	19,500	19,500	140
205	100	150	63.5	280.0	18,200	18,200	18,200	18,200	18,200	18,200	18,200	18,200	18,200	150
205	100	160	61.4	274.4	17,000	17,000	17,000	17,000	17,000	17,000	17,000	17,000	17,000	160
205	100	170	59.2	268.3	16,000	16,000	16,000	16,000	16,000	16,000	16,000	16,000	16,000	170
205	100	180	57.0	261.7	15,000	15,000	15,000	15,000	15,000	15,000	15,000	15,000	15,000	180
205	100	190	54.7	254.5	14,200	14,200	14,200	14,200	14,200	14,200	14,200	14,200	14,200	190
205	100	200	52.3	246.6	13,400	13,400	13,400	13,400	13,400	13,400	13,400	13,400	13,400	200
205	100	210	49.9	238.1	12,700	12,700	12,700	12,700	12,700	12,700	12,700	12,700	12,700	210





348 HYLAB 5 - w/ 80" x 95" Heavy Duty & 68" x 80" Long Range Boom, w/ 39" x 48" Tubular Jib, w/ 221.1K+75K Cwt  
Refer to the Tubular Jib Notes for Long Range Boom in this Crane Rating Manual before operating the crane.

Boom Length (ft)	Jib Length (ft)	Jib Load Radius (ft)	5 Degrees			15 Degrees			25 Degrees			Jib Load Radius (ft)							
			Boom Angle (deg)	Jib Point Height (ft)	Jib Capacity (lbs)			Boom Angle (deg)	Jib Point Height (ft)	Jib Capacity (lbs)									
					360°					360°									
					Over End Blocked	Extended	Retracted			Over End Blocked	Extended		Retracted						
205	100	220	47.3	228.8	12,000	12,000	12,000	50.2	225.9	10,800	10,800	10,800	52.6	220.1	9,900	9,900	9,900	220	
205	100	230	44.7	218.5	11,400	11,400	11,400	47.5	215.5	10,300	10,300	10,300	49.8	209.4	9,500	9,500	9,500	230	
205	100	240	41.9	207.3	10,800	10,800	10,800	44.6	204.1	9,900	9,900	9,900	46.9	209.4	9,200	9,200	9,200	240	
205	100	250	38.9	194.9	10,300	10,300	10,300	41.6	191.4	9,500	9,500	9,500	43.8	184.5	8,800	8,800	8,800	250	
205	100	260	35.7	180.9	9,800	9,800	9,800	38.4	177.2	9,100	9,100	9,100	40.4	169.7	8,500	8,500	8,500	260	
205	100	270	32.2	166.2	9,400	9,400	9,400	34.8	161.1	8,700	8,700	8,700	36.6	152.7	8,300	8,300	8,300	270	
205	100	280	28.4	146.9	8,900	8,900	8,900	30.8	142.3	8,400	8,400	8,400	32.4	132.6	8,000	8,000	8,000	280	
205	100	290	23.9	125.0	8,500	8,500	8,500	26.2	119.4	8,100	8,100	8,100	27.3	107.6	7,800	7,800	7,800	290	
205	100	300	18.3	96.7	8,200	8,200	8,200	20.2	89.3	7,800	7,800	7,800						300	
205	100	310	9.6	51.0	7,800	7,800	7,300											310	
205	120	60.77	82.0	331.5	29,900	29,900	29,900	81.2	322.7	21,100	21,100	21,100	81.8	315.0	14,100	14,100	14,100	60.77	
205	120	65	81.2	330.8	29,800	29,800	29,800	80.3	322.7	20,200	20,200	20,200	80.0	311.7	14,100	14,100	14,100	65	
205	120	70	80.4	329.8	29,800	29,800	29,800	78.5	319.8	18,700	18,700	18,700	78.1	308.0	13,700	13,700	13,700	70	
205	120	75	79.5	328.7	28,600	28,600	28,600	76.6	316.6	17,400	17,400	17,400	76.2	304.0	12,900	12,900	12,900	75	
205	120	80	78.6	327.6	27,300	27,300	27,300	74.8	313.0	16,200	16,200	16,200	74.2	299.6	12,200	12,200	12,200	80	
205	120	85	77.7	326.4	26,100	26,100	26,100	73.1	309.6	15,100	15,100	15,100	72.2	294.7	11,500	11,500	11,500	85	
205	120	90	76.8	325.1	25,000	25,000	22,900	71.9	306.0	14,200	14,200	14,200	70.2	289.4	10,800	10,800	10,800	90	
205	120	100	75.0	322.2	22,900	22,900	21,100	70.6	303.0	13,300	13,300	13,300	68.1	283.7	10,300	10,300	10,300	100	
205	120	110	73.1	319.0	21,100	21,100	21,100	69.0	300.0	12,500	12,500	12,500	66.0	277.4	9,700	9,700	9,700	110	
205	120	120	71.3	315.4	19,500	19,500	19,500	67.0	294.7	11,800	11,800	11,800	63.9	270.6	9,200	9,200	9,200	120	
205	120	130	69.4	311.5	18,000	18,000	18,000	65.0	289.0	11,100	11,100	11,100	61.7	263.3	8,800	8,800	8,800	130	
205	120	140	67.5	307.2	16,800	16,800	16,800	62.9	282.9	10,500	10,500	10,500	59.4	255.3	8,400	8,400	8,400	140	
205	120	150	65.6	302.4	15,600	15,600	15,600	60.0	279.1	9,900	9,900	9,900	57.0	246.6	8,000	8,000	8,000	150	
205	120	160	63.6	297.3	14,600	14,600	14,600	58.7	276.2	9,400	9,400	9,400	54.6	237.2	7,600	7,600	7,600	160	
205	120	170	61.6	291.7	13,600	13,600	13,600	56.4	261.3	9,000	9,000	9,000	52.0	226.9	7,300	7,300	7,300	170	
205	120	180	59.6	285.6	12,800	12,800	12,800	54.1	252.8	8,400	8,400	8,400	50.1	217.8	6,900	6,900	6,900	180	
205	120	190	57.5	279.1	12,000	12,000	12,000	51.7	243.7	8,000	8,000	8,000	48.3	203.2	6,400	6,400	6,200	190	
205	120	200	55.3	271.9	11,300	11,300	11,300	49.3	233.7	7,600	7,600	7,600	46.5	189.4	6,200	6,200	6,200	200	
205	120	210	53.1	264.2	10,600	10,600	10,600	46.7	222.7	7,300	7,300	7,300	44.1	173.8	6,200	6,200	6,000	210	
205	120	220	50.8	255.9	10,000	10,000	10,000	43.9	210.7	7,000	7,000	7,000	40.1	156.0	6,000	6,000	6,000	220	
205	120	230	48.5	246.8	9,500	9,500	9,500	41.0	197.5	6,600	6,600	6,600	36.5	134.8	5,800	5,800	5,800	230	
205	120	240	46.0	237.0	9,000	9,000	9,000	38.4	165.7	6,300	6,300	6,300	32.3	108.4	5,700	5,700	5,700	240	
205	120	250	43.5	226.2	8,500	8,500	8,500	34.4	146.1	6,100	6,100	6,100	27.3					250	
205	120	260	40.8	214.5	8,000	8,000	8,000	30.5	122.3	5,800	5,800	5,800						260	
205	120	270	37.9	201.4	7,600	7,600	7,600	26.0	90.8	5,600	5,600	5,600						270	
205	120	280	34.8	186.9	7,200	7,200	7,200	20.2											280
205	120	290	31.5	170.5	6,900	6,900	6,900												290
205	120	300	27.7	151.5	6,500	6,500	6,500												300
205	120	310	23.4	128.7	6,200	6,200	6,200												310
205	120	320	18.0	99.5	5,900	5,900	5,900												320
205	120	330	9.5	52.2	5,700	5,700	5,700												330
205	140	65.27	82.0	351.0	24,300	24,300	24,300	81.7	343.1	17,600	17,600	17,600	80.2	328.6	11,700	11,700	11,700	65.27	
205	140	70	81.2	350.1	24,200	24,200	24,200	80.0	340.4	16,300	16,300	16,300	78.4	324.8	10,900	10,900	10,900	70	
205	140	75	80.4	349.1	24,100	24,100	24,100	78.3	337.3	15,100	15,100	15,100	76.6	320.7	10,300	10,300	10,300	75	
205	140	80	79.5	348.1	23,900	23,900	23,900	76.5	334.0	14,000	14,000	14,000						80	
205	140	85	78.7	346.9	22,900	22,900	22,900	74.8	330.3	13,000	13,000	13,000						85	
205	140	90	77.8	345.7	21,900	21,900	21,900	73.0	326.2	12,100	12,100	12,100						90	
205	140	100	76.1	343.0	20,100	20,100	20,100												100
205	140	110	74.4	340.0	18,400	18,400	18,400												110
205	140	120	72.7	336.7	17,000	17,000	17,000												120
205	140	130	70.9	333.0	15,700	15,700	15,700												130
205	140	140	69.2	329.0	14,600	14,600	14,600												140

Link-Belt Construction Equipment Company  
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348 HYLAB 5 - w/ 80" x 95" Heavy Duty & 68" x 80" Long Range Boom, w/ 39" x 48" Tubular Jib, w/ 221.1K+75K Cwt  
Refer to the Tubular Jib Notes for Long Range Boom in this Crane Rating Manual before operating the crane.

Boom Length (ft)	Jib Length (ft)	Jib Load Radius (ft)	Jib Angle to Boom										Jib Load Radius (ft)						
			5 Degrees					15 Degrees						25 Degrees					
			Boom Angle (deg)	Jib Point Height (ft)	Over End Blocked	Extended	Retracted	Boom Angle (deg)	Jib Point Height (ft)	Over End Blocked	Extended	Retracted		Boom Angle (deg)	Jib Point Height (ft)	Over End Blocked	Extended	Retracted	
205	140	150	67.4	324.6	13,500	13,500	13,500	13,500	13,500	71.2	321.8	11,300	11,300	11,300	74.8	316.2	9,600	9,600	9,600
205	140	160	65.5	319.8	12,600	12,600	12,600	12,600	12,600	69.3	316.9	10,600	10,600	10,600	72.9	311.2	9,100	9,100	9,100
205	140	170	63.7	314.6	11,700	11,700	11,700	11,700	11,700	67.5	311.7	9,900	9,900	9,900	71.0	305.9	8,500	8,500	8,500
205	140	180	61.8	309.0	10,900	10,900	10,900	10,900	10,900	65.6	306.0	9,300	9,300	9,300	69.0	300.1	8,000	8,000	8,000
205	140	190	59.9	302.9	10,200	10,200	10,200	10,200	10,200	63.6	299.9	8,800	8,800	8,800	67.1	293.9	7,600	7,600	7,600
205	140	200	57.9	296.4	9,600	9,600	9,600	9,600	9,600	61.6	293.3	8,200	8,200	8,200	65.0	287.2	7,200	7,200	7,200
205	140	210	55.9	289.4	9,000	9,000	9,000	9,000	9,000	59.6	288.2	7,700	7,700	7,700	62.9	279.9	6,800	6,800	6,800
205	140	220	53.8	281.8	8,400	8,400	8,400	8,400	8,400	57.5	278.6	7,300	7,300	7,300	60.8	272.0	6,400	6,400	6,400
205	140	230	51.7	273.6	7,900	7,900	7,900	7,900	7,900	55.3	270.3	6,900	6,900	6,900	58.6	263.6	6,100	6,100	6,100
205	140	240	49.5	264.8	7,400	7,400	7,400	7,400	7,400	53.1	261.3	6,500	6,500	6,500	56.3	254.4	5,800	5,800	5,800
205	140	250	47.2	255.3	7,000	7,000	7,000	7,000	7,000	50.8	251.7	6,100	6,100	6,100	53.9	244.4	5,500	5,500	5,500
205	140	260	44.9	244.9	6,600	6,600	6,600	6,600	6,600	48.4	241.2	5,800	5,800	5,800	51.5	233.6	5,200	5,200	5,200
205	140	270	42.4	233.7	6,200	6,200	6,200	6,200	6,200	45.9	229.7	5,500	5,500	5,500	48.9	221.7	4,700	4,700	4,700
205	140	280	39.8	221.4	5,800	5,800	5,800	5,800	5,800	43.2	217.2	5,200	5,200	5,200	46.1	208.7	4,400	4,400	4,400
205	140	290	37.0	207.8	5,500	5,500	5,500	5,500	5,500	40.4	203.3	4,900	4,900	4,900	43.1	194.2	4,100	4,100	4,100
205	140	300	34.0	192.7	5,200	5,200	5,200	5,200	5,200	37.3	187.8	4,700	4,700	4,700	39.9	177.9	3,900	3,900	3,900
205	140	310	30.8	175.6	4,900	4,900	4,900	4,900	4,900	34.0	170.3	4,400	4,400	4,400	36.3	159.1	3,700	3,700	3,700
205	140	320	27.1	155.9	4,600	4,600	4,600	4,600	4,600	30.2	149.8	4,200	4,200	4,200	32.2	137.0	3,500	3,500	3,500
205	140	330	22.9	132.4	4,400	4,400	4,400	4,400	4,400	25.8	125.1	4,000	4,000	4,000	27.3	109.1	3,300	3,300	3,300
205	140	340	17.7	102.2	4,100	4,100	4,100	4,100	4,100	20.1	92.2	3,900	3,900	3,900					
205	140	350	9.5	53.3	3,900	3,900	3,900	3,900	3,900										
215	40	44.17	82.0	263.5	59,400	59,400	59,400	59,400	59,400										44.17
215	40	45	81.8	263.3	59,400	59,400	59,400	59,400	59,400										45
215	40	50	80.7	262.5	58,900	58,900	58,900	58,900	58,900	81.0	260.5	55,400	55,400	55,400	81.3	257.4	42,400	42,400	42,400
215	40	55	79.6	261.6	58,500	58,500	58,500	58,500	58,500	79.9	259.5	52,900	52,900	52,900	80.1	256.2	42,400	42,400	42,400
215	40	60	78.4	260.5	58,000	58,000	58,000	58,000	58,000	78.8	258.3	50,600	50,600	50,600	79.0	255.0	41,800	41,800	41,800
215	40	65	77.3	259.4	57,600	57,600	57,600	57,600	57,600	78.8	257.1	48,500	48,500	48,500	77.8	253.6	40,400	40,400	40,400
215	40	70	76.1	258.1	57,100	57,100	57,100	57,100	57,100	76.6	255.7	46,600	46,600	46,600	76.7	252.1	39,900	39,900	39,900
215	40	75	75.0	256.8	54,800	54,800	54,800	54,800	54,800	75.3	254.2	44,800	44,800	44,800	75.5	250.5	38,600	38,600	38,600
215	40	80	73.8	253.7	52,400	52,400	52,400	52,400	52,400	74.1	252.6	43,100	43,100	43,100	74.3	248.8	37,400	37,400	37,400
215	40	85	72.7	252.0	50,200	50,200	50,200	50,200	50,200	73.0	250.9	41,500	41,500	41,500	71.9	245.0	35,100	35,100	35,100
215	40	90	71.5	252.0	48,100	48,100	48,100	48,100	48,100	70.6	247.2	39,700	39,700	39,700	69.5	240.7	33,200	33,200	33,200
215	40	100	69.1	248.3	44,400	44,400	44,400	44,400	44,400	68.2	243.0	37,200	37,200	37,200	67.0	236.9	31,400	31,400	31,400
215	40	110	66.7	244.1	41,200	41,200	41,200	41,200	41,200	65.7	238.2	35,000	35,000	35,000	64.4	230.6	29,800	29,800	29,800
215	40	120	64.3	239.4	39,500	39,500	39,500	39,500	39,500	63.2	232.9	33,000	33,000	33,000	62.0	221.7	28,400	28,400	28,400
215	40	130	61.8	234.1	37,000	37,000	37,000	37,000	37,000	60.6	227.1	31,200	31,200	31,200	59.1	218.1	27,100	27,100	27,100
215	40	140	59.2	228.3	34,700	34,700	34,700	34,700	34,700	57.9	220.6	29,500	29,500	29,500	56.3	210.8	25,900	25,900	25,900
215	40	150	56.8	221.8	32,700	32,700	32,700	32,700	32,700	55.2	213.4	28,100	28,100	28,100	53.5	202.7	24,900	24,900	24,900
215	40	160	53.8	214.7	30,900	30,900	30,900	30,900	30,900	52.4	205.4	26,700	26,700	26,700	50.5	193.8	23,900	23,900	23,900
215	40	170	51.0	206.7	29,200	29,200	29,200	29,200	29,200	49.4	196.6	25,500	25,500	25,500	47.3	183.8	23,000	23,000	23,000
215	40	180	48.1	198.0	27,700	27,700	27,700	27,700	27,700	46.3	188.8	24,400	24,400	24,400	43.9	172.6	22,100	22,100	22,100
215	40	190	45.0	188.2	26,300	26,300	26,300	26,300	26,300	43.0	175.8	23,400	23,400	23,400	40.3	160.0	21,400	21,400	21,400
215	40	200	41.7	177.3	25,100	25,100	25,100	25,100	25,100	39.4	163.4	22,400	22,400	22,400	36.3	145.4	20,700	20,700	20,700
215	40	210	38.2	165.1	23,100	23,100	23,100	23,100	23,100	35.5	149.2	20,600	20,600	20,600	31.9	128.3	18,500	18,500	18,500
215	40	220	34.4	151.0	20,800	20,800	20,800	20,800	20,800	26.2	132.6	18,400	18,400	18,400	26.7	107.3	16,300	16,300	16,300
215	40	230	30.1	134.7	18,700	18,700	18,700	18,700	18,700	19.9	112.5	16,300	16,300	16,300					
215	40	240	25.2	115.0	16,600	16,600	16,600	16,600	16,600		86.1	14,200	14,200	14,200					
215	40	250	19.1	89.4	14,600	14,600	14,600	14,600	14,600										
215	40	260	9.7	48.2	12,400	12,500	12,500	12,500	12,500										



348 HYLAB 5 - w/ 80" x 95" Heavy Duty & 68" x 80" Long Range Boom, w/ 39" x 48" Tubular Jib, w/ 221.1K+75K Cwt  
Refer to the Tubular Jib Notes for Long Range Boom in this Crane Rating Manual before operating the crane.

Jib Angle to Boom

Boom Length (ft)	Jib Length (ft)	Jib Load Radius (ft)	Boom Angle (deg)	Jib Point Height (ft)	5 Degrees			15 Degrees			25 Degrees			Jib Load Radius (ft)	
					Jib Capacity (lbs)			Jib Capacity (lbs)			Jib Capacity (lbs)				
					Over End Blocked	Curve 11	Curve 12	Over End Blocked	Curve 34	Curve 35	Over End Blocked	Curve 11	Curve 12		Curve 25
215	60	48.66	82.0	283.0	51,000	51,000	51,000	41,700	41,700	41,700	28,200	28,200	28,200	48.66	
215	60	50	81.7	282.7	50,900	50,900	50,900	39,900	39,900	39,900	28,200	28,200	28,200	50	
215	60	55	80.7	281.9	50,600	50,600	50,600	39,300	39,300	39,300	28,200	28,200	28,200	55	
215	60	60	79.6	280.9	50,300	50,300	50,300	39,300	39,300	39,300	28,200	28,200	28,200	60	
215	60	65	78.6	279.8	48,800	48,800	48,800	37,700	37,700	37,700	28,200	28,200	28,200	65	
215	60	70	77.5	278.7	46,500	46,500	46,500	37,000	37,000	37,000	28,200	28,200	28,200	70	
215	60	75	76.5	277.4	44,300	44,300	44,300	36,300	36,300	36,300	28,200	28,200	28,200	75	
215	60	80	75.4	276.1	42,300	42,300	42,300	34,800	34,800	34,800	28,200	28,200	28,200	80	
215	60	85	74.3	274.6	40,500	40,500	40,500	33,600	33,600	33,600	28,200	28,200	28,200	85	
215	60	90	73.2	273.1	40,000	40,000	40,000	33,600	33,600	33,600	28,200	28,200	28,200	90	
215	60	100	71.1	269.6	36,900	36,900	36,900	31,300	31,300	31,300	27,100	27,100	27,100	100	
215	60	110	68.9	265.8	34,100	34,100	34,100	29,300	29,300	29,300	25,600	25,600	25,600	110	
215	60	120	66.6	261.5	31,700	31,700	31,700	27,500	27,500	27,500	24,200	24,200	24,200	120	
215	60	130	64.3	256.7	29,600	29,600	29,600	25,800	25,800	25,800	23,000	23,000	23,000	130	
215	60	140	62.0	251.4	27,700	27,700	27,700	24,400	24,400	24,400	21,800	21,800	21,800	140	
215	60	150	59.6	245.5	26,000	26,000	26,000	23,100	23,100	23,100	20,800	20,800	20,800	150	
215	60	160	57.2	239.1	24,500	24,500	24,500	21,900	21,900	21,900	19,900	19,900	19,900	160	
215	60	170	54.7	232.1	23,100	23,100	23,100	20,800	20,800	20,800	18,200	18,200	18,200	170	
215	60	180	52.1	224.3	21,900	21,900	21,900	19,800	19,800	19,800	17,500	17,500	17,500	180	
215	60	190	49.4	215.8	20,800	20,800	20,800	18,900	18,900	18,900	16,800	16,800	16,800	190	
215	60	200	46.5	206.5	19,700	19,700	19,700	18,100	18,100	18,100	16,300	16,300	16,300	200	
215	60	210	43.6	196.1	18,800	18,800	18,800	17,300	17,300	17,300	15,700	15,700	15,700	210	
215	60	220	40.4	184.6	17,900	17,900	17,900	16,600	16,600	16,600	15,200	15,200	15,200	220	
215	60	230	37.1	171.6	17,100	17,100	17,100	16,000	16,000	16,000	14,700	14,700	14,700	230	
215	60	240	33.4	156.9	16,400	16,400	16,400	15,400	15,400	15,400	14,300	14,300	14,300	240	
215	60	250	29.3	139.7	15,700	15,700	15,700	14,800	14,800	14,800	13,900	13,900	13,900	250	
215	60	260	24.6	119.1	14,000	14,000	14,000	13,800	13,800	13,800	12,900	12,900	12,900	260	
215	60	270	18.7	92.4	12,300	12,300	12,300	12,000	12,000	12,000	11,800	11,800	11,800	270	
215	60	280	9.6	49.4	10,400	10,400	10,400	11,600	11,600	11,600	11,600	11,600	11,600	280	
215	80	53.16	82.0	302.4	43,100	43,100	43,100	32,400	32,400	32,500	21,200	21,200	21,200	53.16	
215	80	55	81.6	302.1	43,000	43,000	43,000	31,100	31,100	31,100	21,200	21,200	21,200	55	
215	80	60	80.7	301.2	42,700	42,700	42,700	29,900	29,900	29,900	21,200	21,200	21,200	60	
215	80	65	79.7	300.3	40,900	40,900	40,900	28,800	28,800	28,800	21,200	21,200	21,200	65	
215	80	70	78.7	299.2	40,000	40,000	40,000	27,700	27,700	27,700	21,200	21,200	21,200	70	
215	80	75	77.7	298.0	38,300	38,300	38,300	26,800	26,800	26,800	21,200	21,200	21,200	75	
215	80	80	76.7	296.8	36,600	36,600	36,600	25,800	25,800	25,800	20,700	20,700	20,700	80	
215	80	85	75.7	295.4	35,000	35,000	35,000	24,900	24,900	24,900	19,500	19,500	19,500	85	
215	80	90	74.7	294.0	33,500	33,500	33,500	24,000	24,000	24,000	18,500	18,500	18,500	90	
215	80	100	72.7	290.8	30,800	30,800	30,800	22,500	22,500	22,500	17,500	17,500	17,500	100	
215	80	110	70.7	287.2	28,500	28,500	28,500	21,600	21,600	21,600	16,700	16,700	16,700	110	
215	80	120	68.6	283.2	26,400	26,400	26,400	20,700	20,700	20,700	15,900	15,900	15,900	120	
215	80	130	66.5	278.8	24,600	24,600	24,600	19,900	19,900	19,900	15,200	15,200	15,200	130	
215	80	140	64.4	274.0	23,000	23,000	23,000	19,100	19,100	19,100	14,500	14,500	14,500	140	
215	80	150	62.2	268.6	21,500	21,500	21,500	18,300	18,300	18,300	13,900	13,900	13,900	150	
215	80	160	60.0	262.8	20,200	20,200	20,200	17,800	17,800	17,800	13,300	13,300	13,300	160	
215	80	170	57.7	256.4	19,100	19,100	19,100	16,900	16,900	16,900	12,800	12,800	12,800	170	
215	80	180	55.4	249.5	18,000	18,000	18,000	16,000	16,000	16,000	12,300	12,300	12,300	180	
215	80	190	52.9	241.9	17,000	17,000	17,000	15,200	15,200	15,200	11,900	11,900	11,900	190	
215	80	200	50.5	233.6	16,100	16,100	16,100	14,500	14,500	14,500	11,500	11,500	11,500	200	
215	80	210	47.9	224.6	15,300	15,300	15,300	13,900	13,900	13,900	11,100	11,100	11,100	210	
215	80	220	45.2	214.6	14,500	14,500	14,500	13,300	13,300	13,300	10,800	10,800	10,800	220	
215	80	230	42.3	203.7	13,800	13,800	13,800	12,700	12,700	12,700	10,500	10,500	10,500	230	
215	80	240	39.3	191.5	13,200	13,200	13,200	12,200	12,200	12,200	10,100	10,100	10,100	240	
215	80	250	36.0	177.9	12,600	12,600	12,600	11,700	11,700	11,700	9,800	9,800	9,800	250	
215	80	260	32.5	162.5	12,100	12,100	12,100	11,300	11,300	11,300	9,500	9,500	9,500	260	
215	80	270	28.6	144.6	11,500	11,500	11,500	10,900	10,900	10,900	9,200	9,200	9,200	270	
215	80	280	24.0	123.1	11,000	11,000	11,000	10,500	10,500	10,500	9,000	9,000	9,000	280	
215	80	290	18.3	95.3	10,300	10,300	10,300	10,100	10,100	10,100	9,000	9,000	9,000	290	
215	80	300	9.5	50.6	8,600	8,600	8,600	9,900	9,900	9,900	9,900	9,900	9,900	300	

Link-Belt Construction Equipment Company  
348HYLAB5





348 HYLAB 5 - w/ 80" x 95" Heavy Duty & 68" x 80" Long Range Boom, w/ 39" x 48" Tubular Jib, w/ 221.1K+75K Cwt  
Refer to the Tubular Jib Notes for Long Range Boom in this Crane Rating Manual before operating the crane.

Boom Length (ft)	Jib Length (ft)	Jib Load Radius (ft)	Boom Angle (deg)	Jib Point Height (ft)	5 Degrees			Boom Angle (deg)	Jib Point Height (ft)	15 Degrees			Boom Angle (deg)	Jib Point Height (ft)	25 Degrees			Jib Load Radius (ft)
					Jib Capacity (lbs)					Jib Capacity (lbs)					Jib Capacity (lbs)			
					Over End Blocked	Extended	Retracted			Over End Blocked	Extended	Retracted			Over End Blocked	Extended	Retracted	
215	100	57.66	82.0	321.9	34,200	34,200	34,200	81.9	316.4	26,400	26,400	26,400	81.9	308.3	16,900	16,900	16,900	57.66
215	100	60	81.6	320.6	34,000	34,000	34,000	81.9	315.2	25,300	25,300	25,300	81.9	305.2	16,900	16,900	16,900	60
215	100	65	80.7	320.6	34,000	34,000	34,000	80.9	313.9	24,400	24,400	24,400	80.9	303.8	16,900	16,900	16,900	65
215	100	70	79.7	319.6	33,900	33,900	33,900	80.9	312.6	23,400	23,400	23,400	80.9	302.5	16,900	16,900	16,900	70
215	100	75	78.8	318.5	32,800	32,800	32,800	80.9	311.3	22,400	22,400	22,400	80.9	301.2	16,900	16,900	16,900	75
215	100	80	77.9	317.3	31,300	31,300	31,300	80.9	310.0	21,800	21,800	21,800	80.9	299.9	16,900	16,900	16,900	80
215	100	85	77.0	316.1	30,000	30,000	30,000	80.9	308.7	21,200	21,200	21,200	80.9	298.6	16,900	16,900	16,900	85
215	100	90	76.0	314.7	28,700	28,700	28,700	80.9	307.4	20,600	20,600	20,600	80.9	297.3	16,900	16,900	16,900	90
215	100	100	74.2	311.8	26,400	26,400	26,400	77.2	306.2	20,000	20,000	20,000	77.2	296.0	16,900	16,900	16,900	100
215	100	110	72.3	308.5	24,300	24,300	24,300	75.3	305.0	19,400	19,400	19,400	75.3	294.7	16,900	16,900	16,900	110
215	100	120	70.3	304.8	22,500	22,500	22,500	73.3	302.5	18,900	18,900	18,900	73.3	293.4	16,900	16,900	16,900	120
215	100	130	68.4	300.7	20,900	20,900	20,900	71.4	298.4	17,700	17,700	17,700	71.4	293.9	16,900	16,900	16,900	130
215	100	140	66.4	296.2	19,500	19,500	19,500	69.4	293.9	16,700	16,700	16,700	69.4	293.9	16,900	16,900	16,900	140
215	100	150	64.4	291.3	18,200	18,200	18,200	67.3	288.9	15,700	15,700	15,700	67.3	288.9	16,900	16,900	16,900	150
215	100	160	62.4	285.9	17,100	17,100	17,100	65.3	283.5	14,800	14,800	14,800	65.3	283.5	16,900	16,900	16,900	160
215	100	170	60.3	280.1	16,000	16,000	16,000	63.2	277.7	14,000	14,000	14,000	63.2	277.7	16,900	16,900	16,900	170
215	100	180	58.2	273.8	15,100	15,100	15,100	61.0	271.3	13,200	13,200	13,200	61.0	271.3	16,900	16,900	16,900	180
215	100	190	56.0	266.9	14,200	14,200	14,200	58.8	264.3	12,500	12,500	12,500	58.8	264.3	16,900	16,900	16,900	190
215	100	200	53.7	259.4	13,400	13,400	13,400	56.6	256.8	11,900	11,900	11,900	56.6	256.8	16,900	16,900	16,900	200
215	100	210	51.4	251.3	12,700	12,700	12,700	54.2	248.6	11,300	11,300	11,300	54.2	248.6	16,900	16,900	16,900	210
215	100	220	49.0	242.5	12,000	12,000	12,000	51.8	239.7	10,800	10,800	10,800	51.8	239.7	16,900	16,900	16,900	220
215	100	230	46.5	232.9	11,400	11,400	11,400	49.3	230.0	10,300	10,300	10,300	49.3	230.0	16,900	16,900	16,900	230
215	100	240	43.9	222.4	10,800	10,800	10,800	46.6	219.3	9,800	9,800	9,800	46.6	219.3	16,900	16,900	16,900	240
215	100	250	41.2	210.9	10,300	10,300	10,300	43.8	207.6	9,400	9,400	9,400	43.8	207.6	16,900	16,900	16,900	250
215	100	260	38.2	198.2	9,800	9,800	9,800	40.9	194.7	9,000	9,000	9,000	40.9	194.7	16,900	16,900	16,900	260
215	100	270	35.1	184.0	9,400	9,400	9,400	37.7	180.2	8,600	8,600	8,600	37.7	180.2	16,900	16,900	16,900	270
215	100	280	31.7	167.9	8,900	8,900	8,900	34.2	163.7	8,300	8,300	8,300	34.2	163.7	16,900	16,900	16,900	280
215	100	290	27.9	149.2	8,500	8,500	8,500	30.2	144.5	8,000	8,000	8,000	30.2	144.5	16,900	16,900	16,900	290
215	100	300	23.5	126.9	8,200	8,200	8,200	25.7	121.2	7,700	7,700	7,700	25.7	121.2	16,900	16,900	16,900	300
215	100	310	18.0	98.1	7,800	7,800	7,800	19.8	90.5	7,500	7,500	7,500	19.8	90.5	16,900	16,900	16,900	310
215	100	320	9.4	51.7	7,000	7,000	7,000			6,600	6,600	6,600			16,900	16,900	16,900	320

Link-Belt Construction Equipment Company

348HYLAB5  
L9P0051  
10/30/2006



348 HYLAB 5 - w/ 80" x 95" Heavy Duty & 68" x 80" Long Range Boom, w/ 39" x 48" Tubular Jib, w/ 221.1K+75K Cwt  
Refer to the Tubular Jib Notes for Long Range Boom in this Crane Rating Manual before operating the crane.

Boom Length (ft)	Jib Length (ft)	Jib Load Radius (ft)	5 Degrees			15 Degrees			25 Degrees			Jib Load Radius (ft)
			Boom Angle (deg)	Jib Point Height (ft)	Jib Capacity (lbs)	Boom Angle (deg)	Jib Point Height (ft)	Jib Capacity (lbs)	Boom Angle (deg)	Jib Point Height (ft)	Jib Capacity (lbs)	
215	120	340	9.4	52.8	5,400	360°	4,800					340
					5,400	360°						
					5,400	360°						
					5,400	360°						

For sales use only



348 HYLAB 5 - w/ 80" x 95" Heavy Duty & 68" x 80" Long Range Boom, w/ 39" x 48" Tubular Jib, w/ 221.1K+75K Cwt  
Refer to the Tubular Jib Notes for Long Range Boom in this Crane Rating Manual before operating the crane.

Boom Length (ft)	Jib Length (ft)	Jib Load Radius (ft)	Boom Angle (deg)	Jib Point Height (ft)	5 Degrees			Boom Angle (deg)	Jib Point Height (ft)	15 Degrees			Boom Angle (deg)	Jib Point Height (ft)	25 Degrees			Jib Load Radius (ft)
					Jib Capacity (lbs)					Jib Capacity (lbs)					Jib Capacity (lbs)			
					Over End Blocked	Extended	Retracted			Over End Blocked	Extended	Retracted			Over End Blocked	Extended	Retracted	
215	140	66.66	82.0	360.9	23,300	23,300	23,300	80.3	350.7	16,200	16,200	16,200	80.5	339.0	11,600	11,600	11,600	66.66
215	140	75	81.5	360.3	23,300	23,300	23,300	81.4	270.7	53,000	53,000	53,000	81.6	267.6	42,400	42,400	42,400	70
215	140	80.6	80.6	359.3	23,200	23,200	23,200	80.5	269.7	52,300	52,300	52,300	80.5	266.5	42,400	42,400	42,400	80
215	140	85	79.8	358.3	23,100	23,100	23,100	79.1	268.6	50,300	50,300	50,300	79.4	265.3	41,600	42,400	42,400	85
215	140	85	79.0	357.2	22,800	22,800	22,800	77.0	267.4	48,200	48,200	48,200	78.3	263.9	40,100	41,600	41,600	70
215	140	85	78.2	356.0	21,900	21,900	21,900	75.9	266.1	46,300	46,300	46,300	77.2	262.5	40,100	40,100	40,100	75
215	140	100	76.5	353.4	20,100	20,100	20,100	74.8	263.1	44,500	44,500	44,500	76.0	261.0	39,600	39,600	39,600	80
215	140	110	74.9	350.5	18,500	18,500	18,500	73.6	261.5	42,900	42,900	42,900	74.9	259.3	38,300	38,300	38,300	85
215	140	120	73.2	347.2	17,000	17,000	17,000	71.3	257.9	39,600	39,600	39,600	72.6	255.7	37,100	37,100	37,100	90
215	140	130	71.5	343.7	15,700	15,700	15,700	69.0	253.9	37,100	37,100	37,100	70.3	251.6	35,000	35,000	35,000	100
215	140	140	69.8	339.8	14,600	14,600	14,600	66.7	249.3	34,900	34,900	34,900	67.9	247.1	31,300	31,300	31,300	110
215	140	150	68.0	335.5	13,600	13,600	13,600	64.3	244.3	32,900	32,900	32,900	65.5	242.0	29,700	29,700	29,700	120
215	140	160	66.3	330.9	12,600	12,600	12,600	61.8	238.7	31,100	31,100	31,100	63.0	236.4	28,300	28,300	28,300	130
215	140	170	64.5	325.9	11,700	11,700	11,700	59.3	232.6	29,500	29,500	29,500	60.5	230.1	27,000	27,000	27,000	140
215	140	180	62.7	320.5	11,000	11,000	11,000	56.7	225.8	28,000	28,000	28,000	57.8	223.2	25,800	25,800	25,800	150
215	140	190	60.8	314.7	10,200	10,200	10,200	54.0	218.3	26,700	26,700	26,700	55.1	215.7	24,700	24,700	24,700	160
215	140	200	58.9	308.4	9,600	9,600	9,600	51.3	210.0	25,500	25,500	25,500	52.3	207.3	23,800	22,600	22,600	170
215	140	210	57.0	301.7	9,000	9,000	9,000	48.4	200.9	24,400	24,400	24,400	49.4	198.0	22,900	22,900	22,900	180
215	140	220	55.0	294.4	8,400	8,400	8,400	45.3	190.7	23,300	23,300	23,300	46.3	187.2	22,000	21,600	21,600	200
215	140	230	53.0	286.6	7,900	7,900	7,900	42.1	179.4	22,300	22,300	22,300	43.0	176.2	21,300	19,500	19,500	210
215	140	240	50.9	278.2	7,400	7,400	7,400	38.6	166.7	19,900	17,500	14,800	39.4	163.2	20,200	17,700	15,000	220
215	140	250	48.7	269.2	7,000	7,000	7,000	34.8	152.1	17,800	15,900	13,500	35.5	148.3	18,000	16,000	13,400	230
215	140	260	46.5	259.4	6,600	6,600	6,600	30.6	135.1	15,700	14,400	11,900	31.2	130.8	15,900	14,400	12,000	240
215	140	270	44.2	248.8	6,200	6,200	6,200	25.7	121.7	13,800	13,800	12,900	26.1	109.3	13,800	13,000	10,600	250
215	140	280	41.7	237.3	5,800	5,800	5,800	19.7	93.2	11,900	11,600	9,400					10,600	260
215	140	290	39.2	224.7	5,500	5,500	5,500											270
215	140	300	36.4	210.9	5,200	5,200	5,200											300
215	140	310	33.5	195.5	4,900	4,900	4,900											310
215	140	320	30.3	178.2	4,600	4,600	4,600											320
215	140	330	26.7	158.1	4,300	4,300	4,300											330
215	140	340	22.6	134.2	4,100	4,100	4,100											340
215	140	350	17.4	103.5	3,900	3,900	3,900											350
215	140	360	9.3	53.9	3,700	3,700	3,700											360
225	40	45.56	82.0	273.4	54,300	54,300	54,300											45.56
225	40	50	81.0	272.6	53,900	53,900	53,900											50
225	40	55	80.0	271.7	53,400	53,400	53,400											55
225	40	60	78.9	270.7	52,900	52,900	52,900											60
225	40	65	77.8	269.6	52,500	52,500	52,500											65
225	40	70	76.7	268.4	52,000	52,000	52,000											70
225	40	75	75.6	267.1	51,500	51,500	51,500											75
225	40	80	74.5	265.7	51,100	51,100	51,100											80
225	40	85	73.3	264.2	49,900	49,900	49,900											85
225	40	90	72.2	262.6	47,900	47,900	47,900											90
225	40	100	70.0	259.0	44,300	44,300	44,300											100
225	40	110	67.7	255.0	41,100	41,100	41,100											110
225	40	120	65.3	250.5	39,500	39,500	39,500											120
225	40	130	62.9	245.5	37,000	37,000	37,000											130
225	40	140	60.5	239.9	34,700	34,700	34,700											140
225	40	150	58.0	233.8	32,700	32,700	32,700											150
225	40	160	55.4	227.0	30,900	30,900	30,900											160
225	40	170	52.7	219.6	29,300	29,300	29,300											170
225	40	180	50.0	211.4	27,800	27,800	27,800											180
225	40	190	47.1	202.3	26,400	26,400	26,400											190
225	40	200	44.1	192.2	24,900	24,900	24,900											200
225	40	210	40.9	181.0	22,400	22,400	22,400											210
225	40	220	37.4	168.4	20,100	17,600	14,900											220
225	40	230	33.7	154.0	18,000	16,000	13,500											230
225	40	240	29.5	137.3	16,000	14,600	12,100											240
225	40	250	24.7	117.1	14,100	13,200	10,900											250
225	40	260	18.7	91.0	12,300	12,000	9,700											260
225	40	270	9.5	49.0	10,300	10,300	8,700											270

Link-Belt Construction Equipment Company

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348 HYLAB 5 - w/ 80" x 95" Heavy Duty & 68" x 80" Long Range Boom, w/ 39" x 48" Tubular Jib, w/ 221.1K+75K Cwt  
Refer to the Tubular Jib Notes for Long Range Boom in this Crane Rating Manual before operating the crane.

Boom Length (ft)	Jib Length (ft)	Jib Load Radius (ft)	5 Degrees			15 Degrees			25 Degrees			Jib Load Radius (ft)	
			Boom Angle (deg)	Jib Point Height (ft)	Jib Capacity (lbs)			Boom Angle (deg)	Jib Point Height (ft)	Jib Capacity (lbs)			
					Over End Blocked	Extended	Retracted			Over End Blocked	Extended		Retracted
225	60	50.06	82.0	292.9	46,900	46,900	46,900	81.0	288.6	39,600	39,700	39,700	50.06
225	60	55	81.0	292.0	46,600	46,200	46,600	81.0	288.6	39,600	39,700	39,700	55
225	60	60	80.0	291.1	46,200	46,200	46,200	80.0	287.5	39,100	39,100	39,100	60
225	60	65	79.0	290.1	45,800	45,800	45,800	80.0	287.5	37,500	37,500	37,500	65
225	60	70	78.0	289.0	45,400	45,400	45,400	79.9	286.3	36,100	36,100	36,100	70
225	60	75	76.9	287.8	44,100	44,100	44,100	77.9	285.0	36,100	36,100	36,100	75
225	60	80	75.9	286.4	42,200	42,200	42,200	76.9	283.5	34,800	34,800	34,800	80
225	60	85	74.9	285.0	40,300	40,400	40,400	75.8	282.0	33,500	33,500	33,500	85
225	60	90	73.8	283.6	39,800	39,800	39,800	75.8	282.0	31,200	31,200	31,200	90
225	60	100	71.8	280.3	36,800	36,800	36,800	73.7	278.7	27,800	27,800	27,800	100
225	60	110	69.6	276.5	34,100	34,100	34,100	71.6	275.0	29,200	29,200	29,200	110
225	60	120	67.5	272.4	31,700	31,700	31,700	69.4	270.8	27,400	27,400	27,400	120
225	60	130	65.3	267.8	29,600	29,600	29,600	67.2	266.2	25,800	25,800	25,800	130
225	60	140	63.1	262.8	27,800	27,800	27,800	65.0	261.1	24,400	24,400	24,400	140
225	60	150	60.8	257.2	26,100	26,100	26,100	62.7	255.5	23,100	23,100	23,100	150
225	60	160	58.5	251.1	24,600	24,600	24,600	60.3	249.4	21,900	21,900	21,900	160
225	60	170	56.1	244.4	23,200	23,200	23,200	57.9	242.6	20,800	20,800	20,800	170
225	60	180	53.6	237.1	22,000	22,000	22,000	55.5	235.3	19,800	19,800	19,800	180
225	60	190	51.1	229.1	20,800	20,800	20,800	52.9	227.2	18,900	18,900	18,900	190
225	60	200	48.4	220.3	19,800	19,800	19,800	50.2	218.3	18,100	18,100	18,100	200
225	60	210	45.7	210.6	18,800	18,800	18,800	47.4	208.6	17,300	17,300	17,200	210
225	60	220	42.7	200.0	18,000	18,000	18,000	44.5	197.8	16,600	16,600	16,500	220
225	60	230	39.7	188.1	17,200	16,500	16,500	41.4	185.8	15,900	15,900	15,800	230
225	60	240	36.4	174.8	16,400	15,000	15,000	38.0	172.3	15,300	15,300	15,200	240
225	60	250	32.8	159.7	15,100	13,700	13,700	34.4	157.0	14,800	13,600	13,600	250
225	60	260	28.8	142.2	13,400	12,400	12,400	30.3	139.1	13,300	12,300	10,100	260
225	60	270	24.1	121.1	11,800	11,300	11,300	25.5	117.4	11,600	11,100	8,900	270
225	60	280	18.4	94.0	10,200	10,200	8,200	19.5	89.0	9,900	9,900	7,900	280
225	60	290	9.4	50.1	8,500	8,500	7,200						290
225	80	54.56	82.0	312.3	39,900	39,900	37,700						54.56
225	80	55	81.9	312.3	37,700	37,700	37,700						55
225	80	60	81.0	311.4	37,500	37,500	37,500						60
225	80	65	80.0	310.5	37,300	37,300	37,300	81.6	307.6	32,300	32,300	32,300	65
225	80	70	79.1	309.4	37,100	37,100	37,100	80.6	306.4	31,000	31,000	31,000	70
225	80	75	78.1	308.3	36,900	36,900	36,400	79.7	305.2	29,800	29,800	29,800	75
225	80	80	77.2	307.1	36,400	36,400	34,900	78.7	303.9	28,700	28,700	28,700	80
225	80	85	76.2	305.8	34,900	34,900	33,400	77.7	302.5	27,600	27,600	27,600	85
225	80	90	75.2	304.4	33,400	33,400	33,400	75.8	299.4	25,700	25,700	25,700	90
225	80	100	73.3	297.9	30,800	30,800	30,800	73.8	285.0	24,000	24,000	24,000	100
225	80	110	71.3	291.3	28,500	28,500	28,500	71.8	276.0	22,500	22,500	22,500	110
225	80	120	69.3	284.0	26,500	26,500	26,500	69.8	267.8	21,100	21,100	21,100	120
225	80	130	67.3	289.8	24,700	24,700	24,700	67.7	263.1	19,900	19,900	19,900	130
225	80	140	65.3	285.1	23,000	23,000	23,000	65.6	257.8	18,800	18,800	18,800	140
225	80	150	63.2	280.0	21,600	21,600	21,600	63.4	252.4	17,800	17,800	17,800	150
225	80	160	61.1	274.5	20,300	20,300	20,300	61.2	246.8	16,800	16,800	16,800	160
225	80	170	58.9	268.4	19,100	19,100	19,100	59.0	239.5	16,000	16,000	16,000	170
225	80	180	56.7	261.7	18,000	18,000	18,000	56.7	232.3	15,200	15,200	15,200	180
225	80	190	54.4	254.5	17,100	17,100	17,100	54.3	225.3	14,500	14,500	14,500	190
225	80	200	52.0	246.7	16,200	16,200	16,200	51.8	217.8	13,800	13,800	13,800	200
225	80	210	49.6	238.1	15,300	15,300	15,300	49.3	209.4	13,200	13,200	13,200	210
225	80	220	47.0	228.8	14,600	14,600	14,600	46.6	200.6	12,700	12,700	12,700	220
225	80	230	44.4	218.6	13,900	13,900	13,900	43.7	191.9	12,200	12,200	12,200	230
225	80	240	41.6	207.4	13,200	13,200	13,200	40.7	182.7	11,700	11,700	11,700	240
225	80	250	38.6	194.9	12,600	12,600	12,600	37.5	172.8	11,200	11,200	11,200	250
225	80	260	35.4	181.0	12,100	12,100	12,100	33.9	161.7	10,800	10,800	10,800	260
225	80	270	31.9	165.2	11,600	11,600	11,600	30.0	142.9	10,400	10,400	10,400	270
225	80	280	28.1	147.0	11,000	10,600	9,500	25.3	120.2	10,400	9,500	8,400	280
225	80	290	23.6	125.0	9,700	9,600	7,600	19.4	90.3	8,100	8,100	6,500	290
225	80	300	18.0	96.8	8,400	8,400	6,700						300
225	80	310	9.3	51.3	6,800	6,800	5,900						310

Link-Belt Construction Equipment Company  
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Refer to the Tubular Jib Notes for Long Range Boom in this Crane Rating Manual before operating the crane.

Boom Length (ft)	Jib Length (ft)	Jib Load Radius (ft)	Jib Angle to Boom									Jib Load Radius (ft)						
			5 Degrees			15 Degrees			25 Degrees									
			Boom Angle (deg)	Jib Point Height (ft)	Over End Blocked	360° Extended	Retracted	Boom Angle (deg)	Jib Point Height (ft)	Over End Blocked	360° Extended		Retracted	Boom Angle (deg)	Jib Point Height (ft)	Over End Blocked	360° Extended	Retracted
225	100	59.05	82.0	331.8	32,100	32,100	32,100	81.2	325.4	25,200	25,200	25,200	80.3	315.6	16,900	16,900	16,900	59.05
225	100	60	81.8	331.7	32,100	32,100	32,100	80.3	324.2	24,300	24,300	24,300	78.5	312.3	16,900	16,900	16,900	60
225	100	65	80.9	330.8	31,900	31,900	31,900	77.6	322.9	23,400	23,400	23,400	80.3	312.3	16,900	16,900	16,900	65
225	100	70	80.1	329.8	31,800	31,800	31,800	75.7	320.0	21,700	21,700	21,700	78.5	312.3	16,900	16,900	16,900	70
225	100	75	79.2	328.8	31,600	31,600	31,600	74.7	316.8	20,200	20,200	20,200	76.6	308.7	16,100	16,100	16,100	75
225	100	80	78.3	327.6	31,300	31,200	31,200	73.9	313.2	18,900	18,900	18,900	74.6	304.7	15,200	15,200	15,200	80
225	100	85	77.4	326.4	29,900	29,900	29,900	72.0	309.2	17,700	17,700	17,700	72.7	300.3	14,400	14,400	14,400	85
225	100	90	76.5	325.1	28,700	28,700	28,700	70.1	304.9	16,600	16,600	16,600	70.7	295.4	13,600	13,600	13,600	90
225	100	100	74.7	322.2	26,400	26,400	26,400	68.1	316.8	20,200	20,200	20,200	68.7	290.1	12,900	12,900	12,900	100
225	100	110	72.8	319.0	24,400	24,400	24,400	66.1	313.2	18,900	18,900	18,900	66.7	284.4	12,300	12,300	12,300	110
225	100	120	71.0	315.5	22,600	22,600	22,600	64.1	309.2	17,700	17,700	17,700	64.6	278.2	11,700	11,700	11,700	120
225	100	130	69.1	311.5	21,000	21,000	21,000	62.0	283.2	15,100	15,100	15,100	62.4	271.4	11,200	11,200	11,200	130
225	100	140	67.2	307.2	19,600	19,600	19,600	59.9	276.5	13,200	13,200	13,200	60.2	264.1	10,700	10,700	10,700	140
225	100	150	65.3	302.2	18,300	18,300	18,300	57.8	269.3	11,900	11,900	11,900	57.9	256.1	10,200	10,200	10,200	150
225	100	160	63.3	297.3	17,100	17,100	17,100	55.6	261.6	11,300	11,300	11,300	55.6	247.5	9,800	9,800	9,800	160
225	100	170	61.3	291.7	16,100	16,100	16,100	53.3	253.1	10,800	10,800	10,800	53.1	238.1	9,400	9,400	9,400	170
225	100	180	59.3	285.7	15,100	15,100	15,100	50.9	244.0	10,300	10,300	10,300	50.6	227.9	9,000	9,000	9,000	180
225	100	190	57.2	279.1	14,300	14,300	14,300	48.4	237.0	9,800	9,800	9,800	47.9	216.7	8,700	8,700	8,700	190
225	100	200	55.0	272.0	13,500	13,500	13,500	45.8	223.1	9,400	9,400	9,400	45.1	204.3	8,400	8,400	8,400	200
225	100	210	52.8	264.3	12,700	12,700	12,700	43.0	211.1	9,000	9,000	9,000	42.1	190.5	8,100	8,100	8,100	210
225	100	220	50.5	255.9	12,100	12,100	12,100	40.1	197.9	8,600	8,600	8,600	40.5	177.0	7,800	7,800	7,800	220
225	100	230	48.2	246.9	11,400	11,400	11,400	37.0	183.0	8,300	8,300	8,300	38.8	175.1	7,600	7,600	7,600	230
225	100	240	45.7	237.0	10,900	10,900	10,900	35.5	172.9	7,900	7,900	7,900	35.2	157.3	7,500	7,500	7,500	240
225	100	250	43.2	226.3	10,300	10,300	10,300	32.7	166.2	7,600	7,600	7,600	31.0	136.4	7,400	7,400	7,400	250
225	100	260	40.5	214.5	9,800	9,800	9,800	29.7	148.6	7,400	7,400	7,400	26.1	110.4	7,200	7,200	7,200	260
225	100	270	37.6	201.5	9,400	9,400	9,400	25.2	122.9	7,000	7,000	7,000	21.5	89.6	6,900	6,900	6,900	270
225	100	280	34.5	187.0	8,900	8,900	8,900	21.5	91.7	6,500	6,500	6,500	17.7	71.7	6,700	6,700	6,700	280
225	100	290	31.2	170.5	8,500	8,500	8,500	19.4	81.7	6,200	6,200	6,200	14.7	55.3	6,500	6,500	6,500	290
225	100	300	27.4	151.5	8,200	8,200	8,200	15.5	72.0	6,000	6,000	6,000	11.0	42.1	6,300	6,300	6,300	300
225	100	310	23.1	128.8	7,800	7,800	7,800	12.9	61.3	5,800	5,800	5,800	8.8	31.5	6,000	6,000	6,000	310
225	100	320	17.7	99.6	7,000	7,000	7,000	9.3	47.6	5,500	5,500	5,500	6.5	22.5	6,300	6,300	6,300	320
225	100	330	9.3	52.3	5,300	5,300	5,300	4.7	21.5	6,500	6,500	6,500	4.7	21.5	6,500	6,500	6,500	330
225	120	63.55	82.0	351.3	26,900	26,900	26,900	81.7	344.5	20,900	20,900	20,900	80.6	332.5	14,100	14,100	14,100	63.55
225	120	65	81.8	351.1	26,900	26,900	26,900	79.2	343.3	20,100	20,100	20,100	78.8	329.1	13,600	13,600	13,600	65
225	120	70	80.9	350.2	26,800	26,800	26,800	77.4	340.6	18,600	18,600	18,600	77.0	325.3	12,800	12,800	12,800	70
225	120	75	80.1	349.2	26,600	26,600	26,600	75.2	337.5	17,300	17,300	17,300	75.2	321.2	12,000	12,000	12,000	75
225	120	80	79.2	348.1	26,500	26,500	26,500	73.3	335.5	16,100	16,100	16,100	73.3	316.7	11,300	11,300	11,300	80
225	120	85	78.4	346.9	26,000	26,000	26,000	71.5	331.9	15,100	15,100	15,100	71.5	311.8	10,700	10,700	10,700	85
225	120	90	77.6	345.7	24,900	24,900	24,900	68.5	317.9	14,700	14,700	14,700	69.6	306.5	10,200	10,200	10,200	90
225	120	100	75.8	343.0	22,900	22,900	22,900	66.6	311.9	12,400	12,400	12,400	66.6	306.5	10,200	10,200	10,200	100
225	120	110	74.1	340.0	21,100	21,100	21,100	64.7	306.2	11,000	11,000	11,000	64.7	300.7	9,600	9,600	9,600	110
225	120	120	72.4	336.7	19,500	19,500	19,500	62.8	300.1	10,400	10,400	10,400	62.8	294.5	9,100	9,100	9,100	120
225	120	130	70.6	333.0	18,100	18,100	18,100	60.8	293.5	9,800	9,800	9,800	60.8	287.8	8,700	8,700	8,700	130
225	120	140	68.9	329.0	16,800	16,800	16,800	58.7	288.4	9,300	9,300	9,300	58.7	280.5	8,300	8,300	8,300	140
225	120	150	67.1	324.6	15,700	15,700	15,700	56.7	278.5	8,800	8,800	8,800	56.7	272.7	7,900	7,900	7,900	150
225	120	160	65.2	319.8	14,700	14,700	14,700	54.5	270.5	8,400	8,400	8,400	54.9	261.6	7,500	7,500	7,500	160
225	120	170	63.4	314.6	13,700	13,700	13,700	52.3	261.6	8,000	8,000	8,000	52.6	245.1	6,800	6,800	6,800	170
225	120	180	61.5	309.0	12,900	12,900	12,900	50.0	251.9	7,600	7,600	7,600	50.1	234.3	6,600	6,600	6,600	180
225	120	190	59.6	303.0	12,100	12,100	12,100	47.6	241.4	7,200	7,200	7,200	47.5	224.5	6,300	6,300	6,300	190
225	120	200	57.6	296.4	11,300	11,400	11,400	45.1	230.0	6,900	6,900	6,900	44.7	209.5	6,000	6,000	6,000	200
225	120	210	55.6	289.4	10,700	10,700	10,700	42.4	217.5	6,500	6,500	6,500	42.4	197.5	6,000	6,000	6,000	210
225	120	220	53.5	281.8	10,100	10,100	10,100	40.5	211.1	6,100	6,100	6,100	40.5	190.5	5,800	5,800	5,800	220
225	120	230	51.4	273.7	9,500	9,500	9,500	38.8	204.3	5,800	5,800	5,800	38.8	177.0	5,500	5,500	5,500	230
225	120	240	49.2	264.8	9,000	9,000	9,000	37.0	197.9	5,500	5,500	5,500	37.0	166.2	5,200	5,200	5,200	240
225	120	250	46.9	255.3	8,500	8,500	8,500	35.5	183.0	5,200	5,200	5,200	35.5	157.3	4,900	4,900	4,900	250
225	120	260	44.6	245.0	8,100	8,000	8,000	33.5	172.9	4,900	4,900	4,900	33.5	148.6	4,600	4,600	4,600	260
225	120	270	42.1	233.7	7,600	7,600	7,600	31.0	166.2	4,600	4,600	4,600	31.0	136.4	4,400	4,400	4,400	270
225	120	280	39.5	221.4	7,200	7,200	7,200	28.7	148.6	4,200	4,200	4,200	28.7	122.9	4,200	4,200	4,200	280
225	120	290	37.0	214.5	6,800	6,800	6,800	26.1	110.4	4,000	4,000	4,000	26.1	110.4	4,000	4,000	4,000	290
225	120	300	34.5	201.5	6,400	6,400	6,400	23.1	89.6	3,800	3,800	3,800	23.1	89.6	3,800	3,800	3,800	300
225	120	310	31.2	187.0	6,000	6,000	6,000	21.5	72.0	3,600	3,600	3,600	21.5	72.0	3,600	3,600	3,600	310
225	120	320	27.4	151.5	5,600	5,600	5,600	19.4	55.3	3,400	3,400	3,400	19.4	55.3	3,400	3,400	3,400	320
225	120	330	9.3	52.3	5,300	5,300	5,300	15.5	42.1	3,200	3,200	3,200	15.5	42.1	3,2			

348 HYLAB 5 - w/ 80" x 95" Heavy Duty & 68" x 80" Long Range Boom, w/ 39" x 48" Tubular Jib, w/ 221.1K+75K Cwt  
Refer to the Tubular Jib Notes for Long Range Boom in this Crane Rating Manual before operating the crane.

Boom Length (ft)	Jib Length (ft)	Jib Load Radius (ft)	Jib Angle to Boom												Jib Load Radius (ft)								
			5 Degrees				15 Degrees				25 Degrees												
			Boom Angle (deg)	Jib Point Height (ft)	Over End Blocked	360° Extended	Retracted	Boom Angle (deg)	Jib Point Height (ft)	Over End Blocked	360° Extended	Retracted	Boom Angle (deg)	Jib Point Height (ft)		Over End Blocked	360° Extended	Retracted					
225	120	290	36.7	207.8	6,900	6,900	6,900	6,900	6,900	36.6	203.6	6,200	6,200	6,200	6,200	6,200	41.8	195.1	5,800	5,800	5,800	5,800	290
225	120	300	33.7	192.7	6,500	6,500	6,500	6,500	6,500	36.5	188.2	6,000	6,000	6,000	6,000	6,000	38.6	178.8	5,600	5,600	5,600	5,600	300
225	120	310	30.5	175.7	6,200	6,200	6,200	6,200	6,200	33.2	170.6	5,700	5,700	5,700	5,700	5,700	35.0	160.2	5,400	5,400	5,400	5,400	310
225	120	320	26.9	156.0	5,900	5,900	5,900	5,900	5,900	29.4	150.3	5,500	5,500	5,500	5,500	5,500	31.0	138.3	5,200	5,200	5,200	5,200	320
225	120	330	22.6	132.5	5,600	5,600	5,600	5,600	5,600	22.6	125.6	5,300	5,300	5,300	5,300	5,300	26.1	110.7	5,100	5,100	5,100	5,100	330
225	120	340	17.4	102.2	5,100	5,100	5,100	5,100	5,100	19.4	93.0	5,000	5,000	5,000	5,000	5,000							340
225	120	360	9.2	53.4	3,900	3,900	3,900	3,900	3,900														350
225	140	280	82.0	370.8	22,300	22,300	22,300	22,300	22,300	82.0	361.0	16,100	16,100	16,100	16,100	16,100	80.8	349.5	11,500	11,500	11,500	11,500	68.05
225	140	290	81.7	370.5	22,300	22,300	22,300	22,300	22,300	79.0	358.2	15,000	15,000	15,000	15,000	15,000	80.8	349.5	10,800	10,800	10,800	10,800	70
225	140	300	80.9	369.5	22,200	22,200	22,200	22,200	22,200	77.3	355.0	13,900	13,900	13,900	13,900	13,900	79.1	345.9	10,800	10,800	10,800	10,800	75
225	140	310	80.1	368.5	22,100	22,100	22,100	22,100	22,100	75.7	351.5	12,900	12,900	12,900	12,900	12,900	77.4	342.0	10,100	10,100	10,100	10,100	80
225	140	320	79.3	367.4	22,000	22,000	22,000	22,000	22,000	74.0	347.7	12,100	12,100	12,100	12,100	12,100	75.7	337.8	9,500	9,500	9,500	9,500	85
225	140	330	78.5	366.3	21,800	21,800	21,800	21,800	21,800	72.3	343.6	11,300	11,300	11,300	11,300	11,300	73.9	333.2	8,900	8,900	8,900	8,900	90
225	140	340	76.9	363.8	20,000	20,000	20,000	20,000	20,000	70.6	339.0	10,500	10,500	10,500	10,500	10,500	72.2	328.3	8,400	8,400	8,400	8,400	95
225	140	350	75.3	360.9	18,500	18,500	18,500	18,500	18,500	68.8	334.2	9,900	9,900	9,900	9,900	9,900	70.3	322.9	7,900	7,900	7,900	7,900	100
225	140	360	73.7	357.8	17,000	17,000	17,000	17,000	17,000	67.0	331.9	9,300	9,300	9,300	9,300	9,300	68.5	322.9	7,500	7,500	7,500	7,500	110
225	140	370	72.0	354.3	15,800	15,800	15,800	15,800	15,800	65.2	328.9	8,700	8,700	8,700	8,700	8,700	66.6	310.9	7,000	7,000	7,000	7,000	120
225	140	380	70.3	350.6	14,600	14,600	14,600	14,600	14,600	63.4	323.2	8,200	8,200	8,200	8,200	8,200	64.7	304.2	6,700	6,700	6,700	6,700	130
225	140	390	68.7	346.4	13,600	13,600	13,600	13,600	13,600	61.5	317.1	7,700	7,700	7,700	7,700	7,700	62.8	297.0	6,300	6,300	6,300	6,300	140
225	140	400	67.0	342.0	12,600	12,600	12,600	12,600	12,600	59.9	313.8	7,200	7,200	7,200	7,200	7,200	60.8	290.0	6,000	6,000	6,000	6,000	150
225	140	410	65.2	337.1	11,800	11,800	11,800	11,800	11,800	58.7	311.0	6,700	6,700	6,700	6,700	6,700	58.7	281.0	5,600	5,600	5,600	5,600	160
225	140	420	63.5	331.9	11,000	11,000	11,000	11,000	11,000	56.6	306.6	6,200	6,200	6,200	6,200	6,200	56.6	272.0	5,300	5,300	5,300	5,300	170
225	140	430	61.7	326.3	10,300	10,300	10,300	10,300	10,300	55.6	303.6	5,700	5,700	5,700	5,700	5,700	55.6	262.4	5,100	5,100	5,100	5,100	180
225	140	440	59.9	320.3	9,600	9,600	9,600	9,600	9,600	54.4	298.9	5,200	5,200	5,200	5,200	5,200	54.4	252.6	4,800	4,800	4,800	4,800	190
225	140	450	58.0	313.8	9,000	9,000	9,000	9,000	9,000	53.6	292.2	4,800	4,800	4,800	4,800	4,800	53.6	242.6	4,600	4,600	4,600	4,600	200
225	140	460	56.1	306.8	8,400	8,400	8,400	8,400	8,400	51.4	286.8	4,400	4,400	4,400	4,400	4,400	51.4	232.6	4,400	4,400	4,400	4,400	210
225	140	470	54.2	299.3	7,900	7,900	7,900	7,900	7,900	49.2	281.0	4,000	4,000	4,000	4,000	4,000	49.2	223.6	4,200	4,200	4,200	4,200	220
225	140	480	52.2	291.3	7,400	7,400	7,400	7,400	7,400	46.8	276.2	3,600	3,600	3,600	3,600	3,600	46.8	214.6	4,000	4,000	4,000	4,000	230
225	140	490	50.1	282.7	7,000	7,000	7,000	7,000	7,000	44.4	270.2	3,200	3,200	3,200	3,200	3,200	44.4	204.6	3,800	3,800	3,800	3,800	240
225	140	500	48.0	273.5	6,600	6,600	6,600	6,600	6,600	42.4	264.8	2,800	2,800	2,800	2,800	2,800	42.4	194.2	3,600	3,600	3,600	3,600	250
225	140	510	45.8	263.5	6,200	6,200	6,200	6,200	6,200	40.4	259.6	2,400	2,400	2,400	2,400	2,400	40.4	184.2	3,400	3,400	3,400	3,400	260
225	140	520	43.5	252.6	5,800	5,800	5,800	5,800	5,800	38.4	254.6	2,000	2,000	2,000	2,000	2,000	38.4	174.9	3,200	3,200	3,200	3,200	270
225	140	530	41.1	240.9	5,500	5,500	5,500	5,500	5,500	36.1	249.2	1,600	1,600	1,600	1,600	1,600	36.1	165.8	3,000	3,000	3,000	3,000	280
225	140	540	38.6	228.1	5,100	5,100	5,100	5,100	5,100	34.9	240.2	1,200	1,200	1,200	1,200	1,200	34.9	156.1	2,800	2,800	2,800	2,800	290
225	140	550	36.6	214.0	4,800	4,800	4,800	4,800	4,800	32.8	235.6	800	800	800	800	800	32.8	146.1	2,600	2,600	2,600	2,600	300
225	140	560	33.0	198.3	4,600	4,600	4,600	4,600	4,600	30.9	228.2	400	400	400	400	400	30.9	136.1	2,400	2,400	2,400	2,400	310
225	140	570	29.8	180.3	4,300	4,300	4,300	4,300	4,300	29.2	223.6	0	0	0	0	0	29.2	126.1	2,200	2,200	2,200	2,200	320
225	140	580	26.3	160.3	4,100	4,100	4,100	4,100	4,100	27.1	219.9	0	0	0	0	0	27.1	116.1	2,000	2,000	2,000	2,000	330
225	140	590	22.2	136.0	3,800	3,800	3,800	3,800	3,800	25.9	215.8	0	0	0	0	0	25.9	106.1	1,800	1,800	1,800	1,800	340
225	140	600	17.1	104.8	3,600	3,600	3,600	3,600	3,600	24.9	211.1	0	0	0	0	0	24.9	96.1	1,600	1,600	1,600	1,600	350
225	140	610	9.1	54.5	2,600	2,600	2,600	2,600	2,600	19.3	94.2	0	0	0	0	0	19.3	46.1	1,400	1,400	1,400	1,400	370
235	40	46.95	82.0	283.3	50,000	50,000	50,000	50,000	50,000	81.7	280.9	49,000	49,000	49,000	49,000	49,000	81.9	277.8	42,400	42,400	42,400	42,400	46.95
235	40	50	81.4	282.8	49,700	49,700	49,700	49,700	49,700	80.6	279.9	48,300	48,300	48,300	48,300	48,300	80.9	276.7	42,400	42,400	42,400	42,400	50
235	40	55	80.3	281.0	49,300	49,300	49,300	49,300	49,300	79.6	278.8	47,700	47,700	47,700	47,700	47,700	79.8	275.5	41,300	41,300	41,300	41,300	55
235	40	60	79.3	281.0	48,800	48,800	48,800	48,800	48,800	78.5	277.7	47,100	47,100	47,100	47,100	47,100	79.8	275.5	41,300	41,300	41,300	41,300	60
235	40	65	78.2	279.9	48,300	48,300	48,300	48,300	48,300	77.5	276.4	46,000	46,000	46,000	46,000	46,000	78.7	274.3	39,900	39,900	39,900	39,900	65
235	40	70	77.2	278.7	47,900	47,900	47,900	47,900	47,900	76.4	275.0	44,200	44,200	44,200	44,200	44,200	77.7	272.9	39,300	39,300	39,300	39,300	70
235	40	75	76.1	277.5	47,400	47,400	47,400	47,400	47,400	75.3	273.6	42,600	42,600	42,600	42,600	42,600	76.6	271.4	38,000	38,000	38,000	38,000	75
235	40	80	75.0	276.1	46,900	46,900	46,900	46,900	46,900	74.2	272.0	41,100	41,100	41,100	41,100	41,100	75.5	269.2	36,900	36,900	36,900	36,900	80
235	40	85	74.0	274.7	46,400	46,400	46,400	46,400	46,400	73.1	271.6	40,000	40,000	40,000	40,000	40,000	74.4	268.0	36,900	36,900	36,900	36,900	85
235	40	90	72.9	273.1	46,000	46,000	46,000	46,000	46,0														

348 HYLAB 5 - w/ 80" x 95" Heavy Duty & 68" x 80" Long Range Boom, w/ 39" x 48" Tubular Jib, w/ 221.1K+75K Cwt  
Refer to the Tubular Jib Notes for Long Range Boom in this Crane Rating Manual before operating the crane.

Boom Length (ft)	Jib Length (ft)	Jib Load Radius (ft)	Boom Angle (deg)	Jib Point Height (ft)	5 Degrees			15 Degrees			25 Degrees			Jib Load Radius (ft)			
					Jib Capacity (lbs)			Jib Capacity (lbs)			Jib Capacity (lbs)						
					Over End Blocked	Extended	Retracted	Over End Blocked	Extended	Retracted	Over End Blocked	Extended	Retracted				
															360°	360°	360°
235	40	190	49.0	215.9	26,200	22,600	19,400	214.5	24,200	23,000	19,800	51.2	211.7	22,700	21,700	20,100	190
235	40	200	46.2	206.5	24,100	20,500	17,400	205.1	23,200	22,800	17,800	48.3	202.2	21,800	21,100	18,100	200
235	40	210	43.2	196.2	22,000	18,500	15,700	194.6	22,300	20,800	16,000	45.3	191.6	21,100	19,000	16,200	210
235	40	220	40.1	184.6	20,000	16,700	14,000	183.0	20,300	17,000	14,300	42.1	179.7	20,400	17,200	14,500	210
235	40	230	36.7	171.7	18,200	15,100	12,600	169.9	18,500	15,300	12,800	38.6	166.4	18,600	15,500	12,900	230
235	40	240	33.0	157.0	16,400	13,700	11,200	155.0	16,600	13,800	11,400	34.8	151.1	16,800	14,000	11,500	240
235	40	250	29.0	139.8	14,500	12,300	10,000	137.6	14,700	12,400	10,100	30.5	133.1	14,800	12,500	10,200	250
235	40	260	24.2	119.2	12,700	11,100	8,800	116.6	12,900	11,200	8,900	25.5	111.2	12,900	11,200	8,900	260
235	40	270	18.4	92.6	10,900	9,900	7,700	89.1	11,000	9,900	7,800	20.5	89.1	11,000	9,900	7,800	270
235	40	280	9.3	49.7	8,900	8,800	6,700										280
235	60	51.45	82.0	302.8	43,500	43,500	43,500										51.45
235	60	55	81.3	302.2	43,200	43,200	43,200										55
235	60	60	80.3	301.3	42,800	42,800	42,800										60
235	60	65	79.4	300.3	42,400	42,400	42,400										65
235	60	70	78.4	299.2	42,000	39,600	42,000										70
235	60	75	77.4	298.0	41,600	39,600	41,600										75
235	60	80	76.4	296.8	41,200	39,600	39,600										80
235	60	85	75.4	295.4	40,100	38,300	38,300										85
235	60	90	74.4	294.0	38,300	36,300	36,300										90
235	60	100	72.4	290.8	36,600	36,600	36,600										100
235	60	110	70.3	287.3	34,000	34,000	34,000										110
235	60	120	68.3	283.3	31,600	31,600	31,600										120
235	60	130	66.2	278.9	29,500	29,500	29,500										130
235	60	140	64.0	274.0	27,700	27,700	27,700										140
235	60	150	61.9	268.7	26,000	26,000	26,000										150
235	60	160	59.6	262.9	24,500	24,500	24,500										160
235	60	170	57.4	256.5	23,100	23,100	23,100										170
235	60	180	55.0	249.5	21,800	21,800	21,800										180
235	60	190	52.6	242.0	20,700	20,700	20,700										190
235	60	200	50.1	234.7	19,700	19,700	19,700										200
235	60	210	47.5	224.6	18,700	18,700	18,700										210
235	60	220	44.8	214.7	17,800	17,200	17,200										220
235	60	230	42.0	203.7	17,000	17,000	17,000										230
235	60	240	39.0	191.6	16,200	16,200	16,200										240
235	60	250	35.7	178.0	15,300	15,300	15,300										250
235	60	260	32.2	162.5	14,300	14,300	14,300										260
235	60	270	28.2	144.6	13,200	13,200	13,200										270
235	60	280	23.7	123.2	12,000	12,000	12,000										280
235	60	290	18.0	95.5	10,500	9,300	7,300										290
235	60	300	9.2	50.8	8,900	7,200	5,500										300
235	80	55.95	82.0	322.2	35,300	35,300	35,300										55.95
235	80	60	81.3	321.6	35,100	35,100	35,100										60
235	80	65	80.3	320.6	34,900	34,900	34,900										65
235	80	70	79.4	319.6	34,700	34,700	34,700										70
235	80	75	78.5	318.5	34,500	34,400	34,400										75
235	80	80	77.6	317.4	34,200	34,200	34,200										80
235	80	85	76.7	316.1	33,900	33,900	33,900										85
235	80	90	75.7	314.8	33,300	33,300	33,300										90
235	80	100	73.8	311.8	30,700	30,700	30,700										100
235	80	110	71.9	308.5	28,400	28,400	28,400										110
235	80	120	70.0	304.8	26,400	26,400	26,400										120
235	80	130	68.1	300.7	24,600	24,600	24,600										130
235	80	140	66.1	296.2	23,000	23,000	23,000										140
235	80	150	64.1	291.3	21,500	21,500	21,500										150
235	80	160	62.1	286.0	20,200	20,200	20,200										160
235	80	170	60.0	280.1	19,000	19,000	19,000										170
235	80	180	57.8	273.8	17,900	17,900	17,900										180
235	80	190	55.7	266.9	17,000	17,000	17,000										190
235	80	200	53.4	259.5	16,100	16,100	16,100										200
235	80	210	51.1	251.4	15,200	15,200	15,200										210
235	80	220	48.7	242.6	14,500	14,500	14,500										220

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348 HYLAB 5 - w/ 80" x 95" Heavy Duty & 68" x 80" Long Range Boom, w/ 39" x 48" Tubular Jib, w/ 221.1K+75K Cwt  
Refer to the Tubular Jib Notes for Long Range Boom in this Crane Rating Manual before operating the crane.

Boom Length (ft)	Jib Length (ft)	Jib Load Radius (ft)	Jib Angle to Boom												Jib Load Radius (ft)						
			5 Degrees						15 Degrees							25 Degrees					
			Boom Angle (deg)	Jib Point Height (ft)	Jib Capacity (lbs)			Boom Angle (deg)	Jib Point Height (ft)	Jib Capacity (lbs)			Boom Angle (deg)	Jib Point Height (ft)		Jib Capacity (lbs)					
					Over End Blocked	Extended	Retracted			Over End Blocked	Extended	Retracted				Over End Blocked	Extended	Retracted			
235	80	230	46.2	233.0	13,800	13,800	13,400	12,100	48.4	230.4	12,600	12,600	12,600	50.1	225.2	11,700	11,700	11,300	230		
235	80	240	46.6	222.5	13,100	13,100	12,100	47.4	214.3	11,300	11,300	11,300	47.4	202.3	10,900	11,300	11,300	240			
235	80	250	40.9	211.0	12,500	12,500	10,800	42.9	208.1	11,600	11,600	11,200	44.6	202.3	10,900	10,900	10,900	250			
235	80	260	37.9	198.2	11,900	11,900	9,700	40.0	195.2	11,100	11,100	10,700	41.5	189.0	10,500	10,500	10,400	260			
235	80	270	34.8	184.0	11,400	10,800	8,600	36.8	180.7	10,700	10,700	10,200	38.2	174.0	10,200	9,000	9,200	270			
235	80	280	31.4	167.9	10,900	9,700	7,600	33.3	164.3	10,300	10,000	7,900	34.6	156.8	9,900	9,900	8,100	280			
235	80	290	27.6	149.3	9,900	8,700	6,700	29.4	145.2	10,000	9,000	7,000	30.5	136.6	9,600	9,100	7,100	290			
235	80	300	23.2	127.0	8,500	7,200	5,900	24.8	122.0	8,800	8,000	6,000	25.5	111.6	8,800	8,000	6,100	300			
235	310	310	17.7	98.3	7,200	6,900	5,100	19.0	91.6	7,400	7,000	5,200						310			
235	80	320	9.2	51.9	5,600	5,600	4,300											320			
235	100	60.45	82.0	341.7	30,300	30,300	30,300												60.45		
235	100	65	81.2	340.9	30,100	30,100	30,100												65		
235	100	70	80.4	340.0	30,000	30,000	30,000												70		
235	100	75	79.5	339.0	29,800	29,800	29,800												75		
235	100	80	78.6	337.9	29,600	29,600	29,600	81.5	335.7	25,100	25,100	25,100	80.6	326.0	16,900	16,900	16,900	80			
235	100	85	77.8	336.7	29,400	29,400	29,400	80.6	334.5	24,200	24,200	24,200	78.8	319.3	16,100	16,900	16,900	85			
235	100	90	76.9	335.4	29,200	28,600	26,300	79.7	333.2	23,300	23,300	23,300	77.0	319.3	16,100	16,000	16,000	90			
235	100	95	76.1	332.7	28,300	26,300	26,300	78.0	330.4	21,600	21,600	21,600	75.1	315.4	15,100	15,100	15,100	95			
235	100	100	75.3	332.7	28,300	26,300	26,300	76.2	327.3	20,200	20,200	20,200	73.3	311.1	14,300	14,300	14,300	100			
235	100	110	73.3	329.6	24,300	24,300	24,300	74.4	323.8	18,900	18,900	18,900	71.4	306.5	13,600	13,600	12,900	110			
235	100	120	71.6	326.1	22,500	22,500	22,500	72.5	320.0	17,700	17,700	17,700	69.4	301.4	12,900	12,900	12,900	120			
235	100	130	69.7	322.3	21,000	20,900	20,900	70.7	315.8	16,600	16,600	16,600	67.5	295.9	12,200	12,200	12,200	130			
235	100	140	67.9	318.1	19,500	19,500	19,500	68.8	311.2	15,600	15,600	15,600	65.4	283.4	11,100	11,100	11,100	140			
235	100	150	66.0	313.6	18,200	18,200	18,200	66.9	306.2	14,700	14,700	14,700	63.4	276.4	10,600	10,600	10,600	150			
235	100	160	64.2	308.6	17,100	17,100	17,100	65.0	300.8	13,900	13,900	13,900	61.3	268.9	10,100	10,100	10,100	160			
235	100	170	62.2	303.2	16,000	16,000	16,000	63.0	294.9	13,200	13,200	13,200	59.1	260.7	9,700	9,700	9,700	170			
235	100	180	60.3	297.4	15,100	15,100	15,100	61.0	288.6	12,500	12,500	12,500	56.9	251.8	9,300	9,300	9,300	180			
235	100	190	58.3	291.1	14,200	14,200	14,200	58.9	281.7	11,800	11,800	11,800	54.6	242.2	8,900	8,900	8,900	190			
235	100	200	56.2	284.3	13,400	13,400	13,400	56.9	274.3	11,300	11,300	11,300	52.2	237.9	8,300	8,300	8,300	200			
235	100	210	54.1	277.0	12,600	12,600	12,600	54.6	266.2	10,700	10,700	10,700	50.1	227.9	7,900	7,900	7,900	210			
235	100	220	52.0	269.0	11,800	11,800	11,800	52.3	257.6	10,200	10,200	10,200	47.6	223.9	7,300	7,300	7,300	220			
235	100	230	49.7	260.4	11,300	11,300	11,300	50.0	248.2	9,700	9,700	9,700	45.0	218.0	6,800	6,800	6,800	230			
235	100	240	47.4	251.1	10,800	10,800	10,800	47.6	237.9	9,300	9,300	9,300	42.3	214.5	6,200	6,200	6,200	240			
235	100	250	45.0	241.1	10,200	10,200	10,200	45.0	226.8	8,900	8,900	8,900	40.0	201.0	5,600	5,600	5,600	250			
235	100	260	42.5	230.0	9,700	9,700	9,700	42.3	214.5	8,500	8,500	8,500	38.0	198.9	5,000	5,000	5,000	260			
235	100	270	39.8	218.0	9,200	9,200	9,200	36.3	185.9	7,900	7,900	7,900	34.5	177.7	4,400	4,400	4,400	270			
235	100	280	37.0	204.7	8,800	8,800	8,800	33.0	168.7	7,500	7,500	7,500	30.4	159.6	3,800	3,800	3,800	280			
235	100	290	34.0	189.9	8,400	8,400	8,400	29.2	148.8	7,000	7,000	7,000	25.5	138.3	3,200	3,200	3,200	290			
235	100	300	30.7	173.1	8,000	8,000	8,000	24.7	124.7	6,600	6,600	6,600						300			
235	100	310	27.0	153.8	7,600	7,600	7,600	19.0	92.8	5,800	5,800	5,800						310			
235	100	320	22.7	130.7	6,800	6,800	6,800												320		
235	100	330	17.4	101.0	5,500	5,500	5,500												330		
235	100	340	9.1	53.0	4,200	4,200	4,200												340		

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348 HYLAB 5 - w/80" x 95" Heavy Duty & 68" x 80" Long Range Boom, w/39" x 48" Tubular Jib, w/ 221.1K+75K Cwt  
Refer to the Tubular Jib Notes for Long Range Boom in this Crane Rating Manual before operating the crane.

Boom Length (ft)	Jib Length (ft)	Jib Load Radius (ft)	5 Degrees			15 Degrees			25 Degrees			Jib Load Radius (ft)
			Boom Angle (deg)	Jib Point Height (ft)	Jib Capacity (lbs)	Boom Angle (deg)	Jib Point Height (ft)	Jib Capacity (lbs)	Boom Angle (deg)	Jib Point Height (ft)	Jib Capacity (lbs)	
235	120	220	54.7	294.4	10,000	57.8	291.4	8,800	60.5	285.3	7,800	220
235	120	230	52.7	286.6	9,400	55.7	283.5	8,300	58.4	277.2	7,400	230

For sales use only



348 HYLAB 5 - w/ 80" x 95" Heavy Duty & 68" x 80" Long Range Boom, w/ 39" x 48" Tubular Jib, w/ 221.1K+75K Cwt  
Refer to the Tubular Jib Notes for Long Range Boom in this Crane Rating Manual before operating the crane.

Boom Length (ft)	Jib Length (ft)	Jib Load Radius (ft)	Jib Angle to Boom										Jib Load Radius (ft)							
			5 Degrees					15 Degrees						25 Degrees						
			Boom Angle (deg)	Jib Point Height (ft)	Over End Blocked	Curve 11	Curve 12	Curve 25	Boom Angle (deg)	Jib Point Height (ft)	Over End Blocked	Curve 34		Curve 35	Curve 36	Boom Angle (deg)	Jib Point Height (ft)	Over End Blocked	Curve 11	Curve 12
235	120	240	50.6	278.2	8,900	8,900	8,900	8,900	53.6	275.0	7,900	7,900	7,900	7,900	56.2	288.5	7,100	7,100	7,100	240
235	120	250	48.5	289.2	8,400	8,400	8,400	8,400	51.4	265.9	7,500	7,500	7,500	7,500	54.0	289.5	6,800	6,800	6,800	250
235	120	260	46.2	299.2	7,900	7,900	7,900	7,900	49.2	256.0	7,100	7,100	7,100	7,100	51.6	249.0	6,500	6,500	6,500	260
235	120	270	43.9	248.9	7,500	7,500	7,500	7,500	46.8	245.2	6,800	6,800	6,800	6,800	49.2	225.8	6,200	6,200	6,200	270
235	120	280	41.5	237.3	7,100	7,100	7,100	7,100	44.3	233.5	6,500	6,500	6,500	6,500	46.7	225.8	5,900	5,900	5,900	280
235	120	290	38.9	224.8	6,700	6,700	6,700	6,700	41.7	220.7	6,200	6,200	6,200	6,200	43.9	212.6	5,700	5,700	5,700	290
235	120	300	36.2	210.9	6,400	6,400	6,400	6,400	38.9	206.6	5,900	5,900	5,900	5,900	41.0	197.8	5,500	5,500	5,500	300
235	120	310	33.2	195.6	6,100	6,100	6,100	6,100	35.9	190.9	5,600	5,600	5,600	5,600	37.9	181.3	5,300	5,300	5,300	310
235	120	320	30.0	178.2	5,700	5,700	5,700	5,700	32.6	173.0	5,400	5,400	5,400	5,400	34.4	162.3	5,100	5,100	5,100	320
235	120	330	26.4	158.2	5,500	5,500	5,500	5,500	28.9	152.3	5,200	5,200	5,200	5,200	30.4	139.9	4,900	4,900	4,900	330
235	120	340	22.3	134.3	5,100	5,100	5,100	5,100	24.6	127.2	5,000	5,000	5,000	5,000	25.5	111.9	4,800	4,800	4,800	340
235	120	350	17.1	103.6	4,100	4,100	4,100	4,100	19.0	94.0	4,300	4,300	4,300	4,300	25.5	79.1	3,700	3,700	3,700	350
235	120	360	9.0	54.0	2,800	2,800	2,800	2,800	19.0	94.0	4,300	4,300	4,300	4,300	25.5	79.1	3,700	3,700	3,700	360
235	140	69.44	82.0	380.7	21,500	21,500	21,500	21,500	80.8	371.3	16,100	16,100	16,100	16,100	81.1	359.9	11,500	11,500	11,500	69.44
235	140	70	81.9	380.6	21,400	21,400	21,400	21,400	79.4	368.6	14,900	14,900	14,900	14,900	79.4	356.4	10,700	10,700	10,700	70
235	140	75	81.1	379.7	21,300	21,300	21,300	21,300	77.8	365.5	13,900	13,900	13,900	13,900	77.8	348.6	10,100	10,100	10,100	75
235	140	80	80.4	378.7	21,200	21,200	21,200	21,200	76.1	362.1	12,900	12,900	12,900	12,900	76.1	348.6	9,400	9,400	9,400	80
235	140	85	79.6	377.7	21,100	21,100	21,100	21,100	74.4	358.4	11,200	11,200	11,200	11,200	74.4	344.1	8,900	8,900	8,900	85
235	140	90	78.8	376.6	21,000	21,000	21,000	21,000	72.8	354.4	10,500	10,500	10,500	10,500	72.8	339.3	8,300	8,300	8,300	90
235	140	100	77.3	374.1	20,000	20,000	20,000	20,000	67.7	342.2	9,200	9,200	9,200	9,200	67.7	334.2	7,900	7,900	7,900	100
235	140	110	75.7	371.3	18,400	18,400	18,400	18,400	66.0	334.7	8,700	8,700	8,700	8,700	66.0	328.6	7,400	7,400	7,400	110
235	140	120	74.1	368.3	17,000	17,000	17,000	17,000	62.4	328.8	8,100	8,100	8,100	8,100	62.4	322.6	7,000	7,000	7,000	120
235	140	130	72.5	364.9	15,700	15,700	15,700	15,700	60.6	325.5	7,200	7,200	7,200	7,200	60.6	316.1	6,600	6,600	6,600	130
235	140	140	70.9	361.3	14,600	14,600	14,600	14,600	58.7	320.8	6,800	6,800	6,800	6,800	58.7	301.8	6,200	6,200	6,200	140
235	140	150	69.3	357.3	13,500	13,500	13,500	13,500	56.7	300.8	6,400	6,400	6,400	6,400	56.7	293.9	5,600	5,600	5,600	150
235	140	160	67.6	353.0	12,600	12,600	12,600	12,600	54.8	292.4	6,000	6,000	6,000	6,000	54.8	285.4	5,300	5,300	5,300	160
235	140	170	65.9	348.3	11,700	11,700	11,700	11,700	52.7	283.5	5,700	5,700	5,700	5,700	52.7	276.2	5,000	5,000	5,000	170
235	140	180	64.2	343.2	10,900	10,900	10,900	10,900	50.6	273.9	5,300	5,300	5,300	5,300	50.6	266.3	4,700	4,700	4,700	180
235	140	190	62.5	337.8	10,200	10,200	10,200	10,200	48.4	263.5	5,000	5,000	5,000	5,000	48.4	256.6	4,500	4,500	4,500	190
235	140	200	60.8	332.0	9,500	9,500	9,500	9,500	46.1	252.3	4,800	4,800	4,800	4,800	46.1	244.0	4,300	4,300	4,300	200
235	140	210	59.0	325.7	8,900	8,900	8,900	8,900	43.7	240.1	4,500	4,500	4,500	4,500	43.7	231.4	4,000	4,000	4,000	210
235	140	220	57.2	319.1	8,400	8,400	8,400	8,400	41.2	228.8	4,200	4,200	4,200	4,200	41.2	217.5	3,900	3,900	3,900	220
235	140	230	55.3	311.9	7,800	7,800	7,800	7,800	38.4	212.1	4,000	4,000	4,000	4,000	38.4	202.1	3,700	3,700	3,700	230
235	140	240	53.4	304.2	7,300	7,300	7,300	7,300	35.5	205.7	3,800	3,800	3,800	3,800	35.5	195.7	3,500	3,500	3,500	240
235	140	250	51.4	296.0	6,900	6,900	6,900	6,900	32.3	197.2	3,600	3,600	3,600	3,600	32.3	184.8	3,400	3,400	3,400	250
235	140	260	49.4	287.2	6,500	6,500	6,500	6,500	28.9	188.2	3,400	3,400	3,400	3,400	28.9	177.2	3,200	3,200	3,200	260
235	140	270	47.3	277.7	6,100	6,100	6,100	6,100	25.5	179.7	3,300	3,300	3,300	3,300	25.5	164.6	3,200	3,200	3,200	270
235	140	280	45.1	267.4	5,700	5,700	5,700	5,700	22.3	172.2	3,200	3,200	3,200	3,200	22.3	152.3	3,200	3,200	3,200	280
235	140	290	42.9	256.4	5,300	5,300	5,300	5,300	19.0	162.3	3,000	3,000	3,000	3,000	19.0	141.6	3,200	3,200	3,200	290
235	140	300	40.5	244.4	5,000	5,000	5,000	5,000	16.9	152.3	3,000	3,000	3,000	3,000	16.9	127.2	2,700	2,700	2,700	300
235	140	310	38.0	231.4	4,700	4,700	4,700	4,700	14.6	142.2	3,000	3,000	3,000	3,000	14.6	112.1	3,200	3,200	3,200	310
235	140	320	35.4	217.0	4,400	4,400	4,400	4,400	12.1	132.1	3,000	3,000	3,000	3,000	12.1	95.2	3,000	3,000	3,000	320
235	140	330	32.5	201.1	4,200	4,200	4,200	4,200	9.0	122.1	3,000	3,000	3,000	3,000	9.0	79.1	3,000	3,000	3,000	330
235	140	340	29.4	183.1	3,900	3,900	3,900	3,900	6.8	112.1	3,000	3,000	3,000	3,000	6.8	63.1	3,000	3,000	3,000	340
235	140	350	25.9	162.4	3,700	3,700	3,700	3,700	4.4	102.1	3,000	3,000	3,000	3,000	4.4	47.1	3,000	3,000	3,000	350
235	140	360	21.9	137.8	3,500	3,500	3,500	3,500	2.0	92.1	3,000	3,000	3,000	3,000	2.0	31.1	3,000	3,000	3,000	360
235	140	370	16.9	106.1	2,700	2,700	2,700	2,700	0.0	82.1	3,000	3,000	3,000	3,000	0.0	15.1	3,000	3,000	3,000	370
245	40	48.34	82.0	293.2	45,800	45,900	45,800	45,800	81.0	290.1	44,400	44,400	44,400	44,400	81.2	286.9	42,100	42,100	42,100	48.34
245	40	50	81.7	292.9	45,700	45,700	45,700	45,700	80.0	289.1	43,800	43,800	43,800	43,800	80.2	285.8	40,900	40,900	40,900	50
245	40	55	80.7	292.1	45,300	45,300	45,200	45,200	78.9	287.9	43,200	43,200	43,200	43,200	79.1	284.6	38,300	38,300	38,300	55
245	40	60	79.6	291.1	44,800	44,800	44,800	44,800	77.9	286.7	42,600	42,600	42,600	42,600	78.1	283.3	37,300	37,300	37,300	60
245	40	65	78.6	290.1	44,300	44,300	44,300	44,300	76.9	285.4	42,000	42,000	42,000	42,000	77.1	281.9	36,800	36,800	36,800	65
245	40	70	77.6	289.0	43,900	43,900	43,900	43,900	75.8	284.0	41,500	41,500	41,500	41,500	76.0	280.3	36,400	36,400	36,400	70
245	40	75	76.6	287.8	43,400	43,400	43,400	43,400	74.8	282.5	41,000	41,000	41,000	41,000	73.9	279.2	36,000	36,000	36,000	75
245	40	80	75.6	286.5	42,900	42,900	42,900	42,900	73.7	281.0	40,500	40,500	40,500	40,500	73.7	277.9	35,600	35,600	35,600	80
245	40	85	74.5	285.1	42,400	42,400	42,400	42,400	72.7	280.0	40,000	40,000	40,000	40,000	73.9	276.6	35,200	35,200	35,200	85
245	40	90	73.5	283.6	41,900	41,900	41,900	41,900	71.6	278.5	39,500	39,500	39,500	39,500</						

348 HYLAB 5 - w/ 80" x 95" Heavy Duty & 68" x 80" Long Range Boom, w/ 39" x 48" Tubular Jib, w/ 221.1K+75K Cwt  
Refer to the Tubular Jib Notes for Long Range Boom in this Crane Rating Manual before operating the crane.

Boom Length (ft)	Jib Length (ft)	Jib Load Radius (ft)	Boom Angle (deg)	Jib Point Height (ft)	5 Degrees			15 Degrees			25 Degrees			Jib Load Radius (ft)				
					Jib Capacity (lbs)			Jib Capacity (lbs)			Jib Capacity (lbs)							
					Over End Blocked	Extended	Retracted	Over End Blocked	Extended	Retracted	Over End Blocked	Extended	Retracted					
245	40	130	65.0	282.9	36,500	36,500	36,400	66.2	266.7	32,500	32,500	32,500	67.4	264.4	29,300	29,300	29,300	140
245	40	140	62.7	287.9	34,300	34,300	33,400	64.0	261.6	30,800	30,800	30,800	65.1	259.3	27,900	27,900	27,900	130
245	40	150	60.4	297.2	32,300	32,300	29,700	61.7	256.0	29,200	29,200	29,200	62.8	253.6	26,600	26,600	26,600	150
245	40	160	58.1	306.0	30,600	30,400	26,400	59.4	249.9	27,800	27,700	27,000	60.4	247.4	25,500	25,500	25,500	160
245	40	170	55.7	324.4	29,000	27,200	23,600	57.0	243.2	26,400	26,400	24,100	58.0	240.6	24,400	24,400	24,400	170
245	40	180	53.3	337.1	27,500	24,500	21,100	54.5	235.8	25,200	25,000	21,600	55.5	233.2	23,400	23,400	23,400	180
245	40	190	50.7	359.7	26,000	22,100	18,900	51.9	227.8	24,200	22,500	19,300	52.9	225.0	22,500	22,500	22,500	190
245	40	200	48.1	392.3	24,500	19,900	16,900	49.3	218.9	23,100	23,100	19,300	50.2	216.1	21,700	20,600	17,600	200
245	40	210	45.3	425.9	23,000	17,900	15,100	46.5	209.2	21,800	21,800	18,300	47.4	206.2	20,900	18,500	15,700	210
245	40	220	42.4	460.6	21,500	16,200	13,500	43.6	198.5	20,600	19,800	16,500	44.4	195.3	20,000	16,700	14,000	220
245	40	230	39.3	497.3	20,000	14,600	12,000	40.4	188.5	19,500	18,000	14,800	41.2	183.2	18,100	15,000	12,400	230
245	40	240	36.0	536.0	18,500	13,100	10,600	37.1	173.1	18,000	16,100	13,300	37.8	169.5	16,300	13,500	11,000	240
245	40	250	32.4	576.6	17,000	11,700	9,400	33.5	157.8	17,500	15,900	11,900	34.1	153.8	14,400	12,000	9,700	250
245	40	260	28.4	619.3	15,500	10,500	8,300	29.4	140.1	16,000	14,300	10,600	29.9	135.5	12,600	10,700	8,500	260
245	40	270	23.8	664.1	14,000	9,300	7,200	24.7	118.6	15,500	13,800	9,400						270
245	40	280	18.0	711.6	12,500	8,300	6,200	18.7	90.6	14,000	12,500	8,300						280
245	40	290	9.1	761.5	7,000	7,000	5,300											290
245	60	52.84	82.0	312.7	37,500	37,500	37,500											52.84
245	60	55	81.6	312.3	37,400	37,400	37,400											55
245	60	60	80.7	311.4	37,100	37,100	37,100	81.6	309.0	35,800	35,800	35,800						60
245	60	65	79.7	310.5	36,800	36,800	36,800	80.6	308.0	35,400	35,400	35,400						65
245	60	70	78.8	309.5	36,500	36,500	36,500	79.7	306.8	35,000	35,000	35,000						70
245	60	75	77.8	308.3	36,200	36,200	36,200	78.7	305.6	34,600	34,600	34,600						75
245	60	80	76.8	307.1	35,900	35,900	35,900	77.7	304.3	34,200	34,200	34,200						80
245	60	85	75.9	305.8	35,600	35,600	35,600	76.8	303.6	33,800	33,800	33,800						85
245	60	90	74.9	304.4	35,200	35,200	35,200	75.8	302.9	33,200	33,200	33,200						90
245	60	100	73.0	301.4	34,600	34,600	34,600	74.8	299.8	32,000	31,000	31,000						100
245	60	110	71.0	297.9	33,800	33,800	33,800	72.8	296.4	29,000	29,000	29,000						110
245	60	120	69.0	294.1	31,500	31,500	31,500	70.8	292.5	27,200	27,200	27,200						120
245	60	130	67.0	289.9	29,500	29,500	29,500	68.8	288.2	25,600	25,600	25,600						130
245	60	140	65.0	285.2	27,600	27,600	27,600	66.7	283.6	24,200	24,200	24,200						140
245	60	150	62.9	280.1	26,000	26,000	26,000	64.6	278.4	22,900	22,900	22,900						150
245	60	160	60.7	274.5	24,500	24,500	24,500	62.5	272.8	21,700	21,700	21,700						160
245	60	170	58.6	268.4	23,100	23,100	23,100	60.3	266.7	20,700	20,700	20,700						170
245	60	180	56.3	261.8	21,900	21,900	21,900	58.1	260.0	19,700	19,700	19,700						180
245	60	190	54.0	254.6	20,700	20,700	20,700	55.8	252.7	18,800	18,800	18,800						190
245	60	200	51.7	246.7	19,700	19,700	19,700	53.4	244.8	17,900	17,900	17,900						200
245	60	210	49.2	238.2	18,700	18,500	15,800	50.9	236.2	17,200	17,200	17,200						210
245	60	220	46.7	228.9	17,800	16,700	14,500	48.4	226.8	16,500	16,500	16,500						220
245	60	230	44.0	218.7	17,000	15,100	12,500	45.7	216.5	15,800	15,800	15,800						230
245	60	240	41.2	207.4	16,300	13,600	11,100	42.8	205.1	15,200	14,000	14,000						240
245	60	250	38.3	195.0	14,800	12,200	9,900	39.8	192.5	14,600	12,600	10,200						250
245	60	260	35.1	181.1	13,100	11,000	8,700	36.6	178.4	13,500	11,300	9,000						260
245	60	270	31.6	165.3	11,500	9,800	7,700	33.1	162.4	11,900	10,100	7,900						270
245	60	280	27.8	147.0	10,000	8,800	6,700	29.1	143.8	10,300	8,900	6,900						280
245	60	290	23.3	125.1	8,600	7,800	5,800	24.5	121.2	8,800	7,900	5,900						290
245	60	300	17.7	97.0	7,100	6,800	4,900	18.7	91.7	7,300	6,900	5,000						300
245	60	310	9.1	51.5	5,500	5,500	4,100											310
245	80	57.34	82.0	332.2	32,800	32,800	32,800											57.34
245	80	60	81.5	331.7	32,700	32,700	32,700											60
245	80	65	80.6	330.8	32,500	32,500	32,500											65
245	80	70	79.8	329.8	32,200	32,200	32,200	81.2	326.9	30,500	30,500	30,500						70
245	80	75	78.9	328.8	32,000	32,000	31,900	80.3	325.8	29,500	29,500	29,500						75
245	80	80	78.0	327.7	31,700	31,700	31,700	79.4	324.5	28,400	28,400	28,400						80
245	80	85	77.1	326.4	31,400	31,400	31,400	78.5	323.2	27,400	27,400	27,400						85
245	80	90	76.2	325.1	31,100	31,100	31,100	77.5	322.3	26,500	26,500	26,500						90
245	80	100	74.4	322.3	30,600	30,600	30,600	76.7	320.3	25,500	25,500	25,500						100
245	80	110	72.5	319.1	29,900	28,400	26,400	74.8	317.1	23,900	23,900	23,900						110
245	80	120	70.7	315.5	28,400	26,400	24,400	73.0	313.5	22,400	22,400	22,400						120
245	80	130	68.8	311.6	24,600	24,600	24,600	71.1	309.6	21,000	21,000	21,000						130

Link-Belt Construction Equipment Company  
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**348 HYLAB 5 - w/ 80" x 95" Heavy Duty & 68" x 80" Long Range Boom, w/ 39" x 48" Tubular Jib, w/ 221.1K+75K Cwt**  
Refer to the Tubular Jib Notes for Long Range Boom in this Crane Rating Manual before operating the crane.

Boom Length (ft)	Jib Length (ft)	Jib Load Radius (ft)	Jib Angle to Boom												Jib Load Radius (ft)						
			5 Degrees						15 Degrees							25 Degrees					
			Boom Angle (deg)	Jib Point Height (ft)	Jib Capacity (lbs)			Boom Angle (deg)	Jib Point Height (ft)	Jib Capacity (lbs)			Boom Angle (deg)	Jib Point Height (ft)		Jib Capacity (lbs)					
					Over End Blocked	Extended	Retracted			Over End Blocked	Extended	Retracted				Over End Blocked	Extended	Retracted			
245	80	140	66.9	302.2	23,000	23,000	23,000	23,000	69.2	305.2	19,800	19,800	19,800	71.2	301.2	17,300	17,300	17,300	140		
245	80	150	65.0	297.4	21,500	21,500	21,500	21,500	67.2	295.3	18,700	18,700	18,700	69.3	296.4	16,400	16,500	16,400	150		
245	80	160	63.0	297.4	20,200	20,200	20,200	20,200	65.2	291.1	17,700	17,700	17,700	67.3	291.1	15,700	15,700	15,700	160		
245	80	170	61.0	291.8	19,100	19,100	19,100	19,100	63.2	288.6	16,800	16,800	16,800	65.2	285.4	14,900	14,900	14,900	170		
245	80	180	59.0	285.7	18,000	18,000	18,000	18,000	61.2	283.5	15,900	15,900	15,900	63.1	279.2	14,300	14,300	14,300	180		
245	80	190	56.9	279.1	17,000	17,000	17,000	17,000	59.1	278.9	15,100	15,100	15,100	61.0	272.5	13,600	13,600	13,600	190		
245	80	200	54.7	272.0	16,100	16,100	16,100	16,100	56.9	269.7	14,400	14,400	14,400	58.8	265.2	13,100	13,100	13,100	200		
245	80	210	52.5	264.3	15,300	15,300	15,300	15,300	54.7	262.0	13,800	13,800	13,800	56.5	257.2	12,500	12,500	12,500	210		
245	80	220	50.2	256.0	14,500	14,500	14,500	14,500	52.4	253.5	13,100	13,100	13,100	54.2	248.7	12,100	12,100	12,100	220		
245	80	230	47.9	246.9	13,800	13,800	13,800	13,800	50.0	244.4	12,600	12,600	12,600	51.8	239.3	11,600	11,600	11,600	230		
245	80	240	45.4	237.1	13,100	13,100	13,100	13,100	47.5	234.4	12,000	12,000	12,000	49.2	229.1	11,200	11,200	11,200	240		
245	80	250	42.9	226.3	12,500	12,500	12,500	12,500	44.9	223.6	11,600	11,600	11,600	46.6	218.0	10,800	10,800	10,800	250		
245	80	260	40.2	214.5	11,900	11,400	11,400	11,400	42.2	211.6	11,100	11,100	11,100	43.8	205.7	10,400	10,400	10,400	260		
245	80	270	37.3	201.5	11,400	10,200	10,200	10,200	39.3	198.4	10,700	10,600	10,600	40.8	192.1	10,100	10,100	10,100	270		
245	80	280	34.2	187.0	10,700	9,200	9,200	9,200	36.2	183.6	10,300	9,500	9,500	37.5	176.7	9,800	9,800	9,800	280		
245	80	290	30.9	170.6	9,300	8,200	8,200	8,200	32.7	166.8	9,800	8,500	8,500	33.9	159.2	8,500	8,700	8,700	290		
245	80	300	27.1	151.6	8,000	7,200	7,200	7,200	28.9	147.4	8,400	7,500	7,500	29.9	138.6	7,500	7,600	7,600	300		
245	80	310	22.8	128.9	6,800	6,400	6,400	6,400	24.4	123.8	7,100	6,500	6,500	24.4	117.4	6,500	6,500	6,500	310		
245	80	320	17.4	99.7	5,500	5,500	5,500	5,500	18.7	92.9	5,700	5,700	5,700	18.7	82.9	5,700	5,700	5,700	320		
245	80	330	9.0	52.6	4,000	4,000	4,000	4,000											330		
245	100	61.84	82.0	351.6	28,400	28,400	28,400	28,400	81.7	345.9	25,000	25,000	25,000	80.9	336.3	16,900	16,900	16,900	61.84		
245	100	65	81.5	351.1	28,200	28,200	28,200	28,200	80.9	344.8	24,100	24,100	24,100	79.2	333.3	16,900	16,900	16,900	65		
245	100	70	80.6	350.2	28,100	28,000	28,000	28,000	80.9	344.8	23,200	23,200	23,200	77.4	329.9	16,000	16,000	16,000	70		
245	100	75	79.8	349.2	27,800	27,800	27,800	27,800	80.0	343.5	22,200	22,200	22,200	75.6	326.1	15,100	15,100	15,100	75		
245	100	80	79.0	348.1	27,600	27,600	27,600	27,600	80.9	343.4	21,600	21,600	21,600	73.8	322.2	14,300	14,300	14,300	80		
245	100	85	78.1	347.0	27,400	27,400	27,400	27,400	80.0	343.4	20,100	20,100	20,100	72.0	317.5	13,500	13,500	13,500	85		
245	100	90	77.3	345.8	27,200	27,200	27,200	27,200	78.6	337.8	18,800	18,800	18,800	70.1	312.6	12,800	12,800	12,800	90		
245	100	100	75.6	343.1	26,200	26,200	26,200	26,200	78.3	334.8	17,600	17,600	17,600	68.2	307.3	12,200	12,200	12,200	100		
245	100	110	73.8	340.1	24,300	24,300	24,300	24,300	76.6	334.4	16,000	16,000	16,000	66.3	301.5	11,600	11,600	11,600	110		
245	100	120	72.1	336.7	22,500	22,500	22,500	22,500	74.8	330.7	14,700	14,700	14,700	64.3	295.3	11,000	11,000	11,000	120		
245	100	130	70.4	333.0	20,900	20,900	20,900	20,900	73.1	326.7	13,900	13,900	13,900	62.3	288.6	10,500	10,500	10,500	130		
245	100	140	68.6	329.0	19,500	19,500	19,500	19,500	71.3	322.2	13,100	13,100	13,100	60.2	281.4	9,600	9,600	9,600	140		
245	100	150	66.8	324.6	18,300	18,300	18,300	18,300	69.5	317.4	12,400	12,400	12,400	58.1	279.1	9,200	9,200	9,200	150		
245	100	160	65.0	319.8	17,100	17,100	17,100	17,100	67.6	314.4	11,800	11,800	11,800	56.0	265.0	8,800	8,800	8,800	160		
245	100	170	63.1	314.6	16,000	16,000	16,000	16,000	65.8	312.2	11,200	11,200	11,200	54.2	246.1	8,500	8,500	8,500	170		
245	100	180	61.2	309.0	15,100	15,100	15,100	15,100	63.9	306.5	10,700	10,700	10,700	52.5	235.3	8,200	8,200	8,200	180		
245	100	190	59.3	303.0	14,200	14,200	14,200	14,200	61.9	300.4	10,200	10,200	10,200	50.9	223.6	7,900	7,900	7,900	190		
245	100	200	57.3	296.5	13,400	13,400	13,400	13,400	59.9	293.8	9,700	9,700	9,700	48.8	210.7	7,600	7,600	7,600	200		
245	100	210	55.3	289.4	12,700	12,700	12,700	12,700	57.9	286.7	9,200	9,200	9,200	46.2	204.1	7,300	7,300	7,300	210		
245	100	220	53.3	281.9	12,000	12,000	12,000	12,000	55.8	279.1	8,700	8,700	8,700	44.5	196.4	7,000	7,000	7,000	220		
245	100	230	51.1	273.7	11,400	11,400	11,400	11,400	53.7	270.8	8,100	8,100	8,100	42.8	180.2	6,900	6,900	6,900	230		
245	100	240	48.9	264.9	10,800	10,800	10,800	10,800	51.5	261.9	7,700	7,700	7,700	40.5	171.2	6,500	6,500	6,500	240		
245	100	250	46.7	255.3	10,200	10,200	10,200	10,200	49.2	252.3	7,300	7,300	7,300	38.8	161.8	6,300	6,300	6,300	250		
245	100	260	44.3	245.0	9,700	9,700	9,700	9,700	46.8	241.8	6,900	6,900	6,900	37.3	140.1	6,000	6,000	6,000	260		
245	100	270	41.8	233.8	9,200	9,200	9,200	9,200	44.3	230.4	6,500	6,500	6,500	35.7	128.3	5,300	5,300	5,300	270		
245	100	280	39.2	221.4	8,800	8,800	8,800	8,800	41.6	217.9	6,100	6,100	6,100	33.8	117.1	4,300	4,300	4,300	280		
245	100	290	36.4	207.9	8,400	8,400	8,400	8,400	38.8	204.1	5,700	5,700	5,700	31.9	102.3	3,600	3,600	3,600	290		
245	100	300	33.5	192.8	8,000	8,000	8,000	8,000	35.7	188.6	5,300	5,300	5,300	29.8	89.0	3,000	3,000	3,000	300		
245	100	310	30.2	175.7	7,400	7,400	7,400	7,400	32.4	171.2	4,900	4,900	4,900	28.8	77.0	2,700	2,700	2,700	310		
245	100	320	26.6	156.1	6,300	6,300	6,300	6,300	24.3	128.3	4,200	4,200	4,200	22.4	67.0	2,000	2,000	2,000	320		
245	100	330	22.4	132.5	5,100	5,100	5,100	5,100	18.7	94.0	3,600	3,600	3,600	17.1	53.6	1,500	1,500	1,500	330		
245	100	340	17.1	102.3	4,000	4,000	4,000	4,000											340		
245	100	350	8.9	53.6	2,700	2,700	2,700	2,700												350	

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348 HYLAB 5 - w/ 80" x 95" Heavy Duty & 68" x 80" Long Range Boom, w/ 39" x 48" Tubular Jib, w/ 221.1K+75K Cwt  
Refer to the Tubular Jib Notes for Long Range Boom in this Crane Rating Manual before operating the crane.

Jib Angle to Boom

Boom Length (ft)	Jib Length (ft)	Jib Load Radius (ft)	Boom Angle (deg)	Jib Point Height (ft)	5 Degrees			Boom Angle (deg)	Jib Point Height (ft)	15 Degrees			Boom Angle (deg)	Jib Point Height (ft)	25 Degrees			Jib Load Radius (ft)
					Jib Capacity (lbs)					Jib Capacity (lbs)					Jib Capacity (lbs)			
					Over End Blocked	Extended	Retracted			Over End Blocked	Extended	Retracted			Over End Blocked	Extended	Retracted	
245	120	110	75.0	361.0	21,000	21,100	21,000	78.1	358.4	17,200	17,200	17,200	81.1	353.3	14,100	14,100	14,100	110
245	120	110	73.4	357.8	19,500	19,500	19,500	76.5	355.2	16,000	16,000	16,000	79.5	350.1	13,400	13,400	13,400	120
245	120	130	71.7	354.4	18,100	18,100	18,100	74.8	351.7	15,000	15,000	15,000	77.8	346.5	12,600	12,600	12,600	130
245	120	140	70.1	350.6	16,800	16,800	16,800	73.2	347.9	14,000	14,000	14,000	76.1	342.7	11,900	11,900	11,900	140
245	120	150	68.4	346.5	15,700	15,700	15,700	71.5	343.8	13,200	13,200	13,200	74.3	338.4	11,200	11,200	11,200	150
245	120	160	66.7	342.0	14,600	14,600	14,600	69.8	339.3	12,400	12,400	12,400	72.6	333.9	10,600	10,600	10,600	160
245	120	170	65.0	337.1	13,700	13,700	13,700	68.0	334.4	11,600	11,600	11,600	70.8	328.9	10,000	10,000	10,000	170
245	120	180	63.2	331.9	12,800	12,800	12,800	66.2	329.1	11,000	11,000	11,000	69.0	323.5	9,500	9,500	9,500	180
245	120	190	61.4	326.3	12,000	12,000	12,000	64.4	323.5	10,300	10,300	10,300	67.2	317.4	9,000	9,000	9,000	190
245	120	200	59.6	320.3	11,300	11,300	11,300	62.6	317.4	9,800	9,800	9,800	65.3	311.6	8,500	8,500	8,500	200
245	120	210	57.7	313.8	10,600	10,600	10,600	60.7	310.8	9,200	9,200	9,200	63.4	304.9	8,100	8,100	8,100	210
245	120	220	55.9	306.8	10,000	10,000	10,000	58.8	303.8	8,700	8,700	8,700	61.5	297.7	7,700	7,700	7,700	220
245	120	230	53.9	299.4	9,400	9,400	9,400	56.9	296.3	8,300	8,300	8,300	59.5	290.0	7,400	7,400	7,400	230
245	120	240	51.9	291.4	8,900	8,900	8,900	54.8	288.2	7,900	7,900	7,900	57.4	281.7	7,000	7,000	7,000	240
245	120	250	49.9	282.8	8,400	8,400	8,400	52.8	279.4	7,500	7,500	7,500	55.3	272.8	6,700	6,700	6,700	250
245	120	260	47.7	273.5	7,900	7,900	7,900	50.6	270.1	7,100	7,100	7,100	53.1	263.2	6,400	6,400	6,400	260
245	120	270	45.5	263.5	7,500	7,500	7,500	48.4	259.9	6,700	6,700	6,700	50.8	252.8	6,100	6,100	6,100	270
245	120	280	43.2	252.7	7,100	7,100	7,100	46.1	249.0	6,400	6,400	6,400	48.4	241.5	5,900	5,900	5,900	280
245	120	290	40.8	240.9	6,700	6,700	6,700	43.6	237.0	6,000	6,000	6,000	45.8	229.1	5,600	5,600	5,600	290
245	120	300	38.3	228.1	6,400	6,400	6,400	41.0	224.0	5,800	5,800	5,800	43.2	215.6	5,400	5,400	5,400	300
245	120	310	35.6	214.0	6,000	6,000	6,000	38.3	209.6	5,600	5,600	5,600	40.3	200.6	5,200	5,200	5,200	310
245	120	320	32.7	198.4	5,700	5,700	5,700	35.3	193.5	5,300	5,300	5,300	37.2	183.7	5,000	5,000	5,000	320
245	120	330	29.6	180.7	5,400	5,400	5,400	32.1	175.4	5,100	5,100	5,100	33.7	164.4	4,800	4,800	4,800	330
245	120	340	26.1	160.4	4,600	4,600	4,600	28.4	154.3	4,900	4,900	4,900	29.8	141.6	4,700	4,700	4,700	340
245	120	350	22.0	136.1	3,800	3,800	3,800	24.1	128.8	4,000	4,000	4,000	25.0	116.6	4,000	4,000	4,000	350
245	120	360	16.9	104.9	2,600	2,600	2,600	18.6	95.1	2,900	2,900	2,900	18.6	73.1	2,500	2,500	2,500	360
245	140	70.84	82.0	390.6	20,400	20,400	20,400										70.84	
245	140	75	81.4	389.9	20,300	20,300	20,300										75	
245	140	80	80.6	388.9	20,200	20,200	20,200										80	
245	140	85	79.9	387.9	20,100	20,100	20,100										85	
245	140	90	79.1	386.8	19,900	19,900	19,900										90	
245	140	100	77.6	384.4	19,700	19,700	19,700										100	
245	140	110	76.1	381.7	18,400	18,400	18,400	81.1	381.6	16,000	16,000	16,000	81.3	370.2	11,400	11,400	11,400	110
245	140	120	74.5	378.8	17,000	17,000	17,000	79.5	378.9	14,800	14,800	14,800	79.7	369.9	10,700	10,700	10,700	120
245	140	130	73.0	375.5	15,700	15,700	15,700	78.0	375.9	13,800	13,800	13,800	79.7	366.9	10,000	10,000	10,000	130
245	140	140	71.4	372.0	14,600	14,600	14,600	76.4	372.6	12,900	12,900	12,900	78.1	363.3	9,400	9,400	9,400	140
245	140	150	69.8	368.1	13,500	13,500	13,500	74.9	369.1	12,000	12,000	12,000	76.5	359.3	8,900	8,900	8,900	150
245	140	160	68.2	363.9	12,600	12,600	12,600	73.3	365.1	11,200	11,200	11,200	74.8	355.0	8,300	8,300	8,300	160
245	140	170	66.6	359.4	11,700	11,700	11,700	71.6	360.9	10,500	10,500	10,500	73.2	350.3	7,800	7,800	7,800	170
245	140	180	65.0	354.5	10,900	10,900	10,900	69.4	351.4	9,800	9,800	9,800	71.5	345.3	7,300	7,300	7,300	180
245	140	190	63.3	349.2	10,200	10,200	10,200	66.7	346.1	9,200	9,200	9,200	69.8	339.9	6,800	6,800	6,800	190
245	140	200	61.6	343.6	9,500	9,500	9,500	65.0	340.4	8,100	8,100	8,100	68.0	334.1	6,300	6,300	6,300	200
245	140	210	59.9	337.6	8,900	8,900	8,900	63.2	334.4	7,600	7,600	7,600	66.3	327.9	6,000	6,000	6,000	210
245	140	220	58.1	331.1	8,400	8,400	8,400	61.4	327.9	7,100	7,100	7,100	64.6	321.3	5,800	5,800	5,800	220
245	140	230	56.3	324.2	7,800	7,800	7,800	59.6	320.9	6,600	6,600	6,600	62.6	314.2	5,500	5,500	5,500	230
245	140	240	54.5	316.9	7,300	7,300	7,300	57.8	313.4	6,300	6,300	6,300	60.7	306.6	5,500	5,500	5,500	240
245	140	250	52.6	309.0	6,900	6,900	6,900	55.9	305.5	6,000	6,000	6,000	58.8	298.4	5,200	5,200	5,200	250
245	140	260	50.7	300.6	6,400	6,400	6,400	53.9	296.9	5,600	5,600	5,600	56.8	289.7	4,900	4,900	4,900	260
245	140	270	48.7	291.5	6,100	6,100	6,100	51.9	287.8	5,300	5,300	5,300	54.7	280.3	4,700	4,700	4,700	270
245	140	280	46.6	281.8	5,700	5,700	5,700	49.8	277.9	5,000	5,000	5,000	52.5	270.1	4,400	4,400	4,400	280
245	140	290	44.5	271.4	5,300	5,300	5,300	47.7	267.3	4,700	4,700	4,700	50.3	259.2	4,200	4,200	4,200	290
245	140	300	42.3	260.1	5,000	5,000	5,000	45.4	255.9	4,400	4,400	4,400	48.0	247.4	4,000	4,000	4,000	300
245	140	310	40.0	247.9	4,700	4,700	4,700	43.0	243.5	4,200	4,200	4,200	45.5	234.5	3,800	3,800	3,800	310
245	140	320	37.5	234.6	4,400	4,400	4,400	40.5	229.9	4,000	4,000	4,000	42.9	220.3	3,600	3,600	3,600	320
245	140	330	34.9	220.0	4,100	4,100	4,100	37.8	215.0	3,700	3,700	3,700	40.1	204.7	3,400	3,400	3,400	330
245	140	340	32.1	203.8	3,900	3,900	3,900	35.0	198.3	3,500	3,500	3,500	37.1	187.1	3,300	3,300	3,300	340
245	140	350	29.0	185.5	3,600	3,600	3,600	31.8	179.5	3,400	3,400	3,400	33.7	166.9	3,100	3,100	3,100	350
245	140	360	25.6	164.6	3,100	3,100	3,100	28.2	157.7	3,200	3,200	3,200	29.8	143.1	3,000	3,000	3,000	360
245	140	370	21.6	139.5	2,200	2,200	2,200	24.0	131.2	2,600	2,600	2,600	24.0	116.6	2,400	2,400	2,400	370

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348 HYLAB 5 - w/ 80" x 95" Heavy Duty & 68" x 80" Long Range Boom, w/ 39" x 48" Tubular Jib, w/ 221.1K+75K Cwt  
Refer to the Tubular Jib Notes for Long Range Boom in this Crane Rating Manual before operating the crane.

Boom Length (ft)	Jib Length (ft)	Jib Load Radius (ft)	Boom Angle (deg)	Jib Point Height (ft)	5 Degrees			Boom Angle (deg)	Jib Point Height (ft)	15 Degrees			Boom Angle (deg)	Jib Point Height (ft)	25 Degrees			Jib Load Radius (ft)
					Jib Capacity (lbs)					Jib Capacity (lbs)					Jib Capacity (lbs)			
					Over End Blocked	Extended	Retracted			Over End Blocked	Extended	Retracted			Over End Blocked	Extended	Retracted	
255	40	49.73	82.0	303.1	42,100	42,100	42,100	81.3	300.3	37,900	40,900	40,900	81.5	297.1	35,900	35,900	35,900	49.73
255	40	50	81.9	303.0	42,100	42,100	42,100	81.3	299.3	37,400	40,300	37,400	80.5	296.1	35,400	35,400	35,400	50
255	40	55	81.0	302.2	41,600	41,600	41,600	80.3	299.3	37,000	40,300	37,000	80.5	296.1	34,900	34,900	34,900	55
255	40	60	80.0	301.3	41,200	41,200	41,200	80.3	298.2	36,500	39,500	36,500	79.5	294.9	34,400	34,400	34,400	60
255	40	65	79.0	300.3	40,700	40,700	40,700	79.3	297.0	36,000	38,500	36,000	78.5	293.6	33,900	33,900	33,900	65
255	40	70	78.0	299.3	40,300	40,300	40,300	78.3	295.8	35,500	38,000	35,500	77.5	292.2	33,500	33,500	33,500	70
255	40	75	77.1	298.1	39,800	39,800	39,800	77.3	294.4	35,000	37,500	35,000	76.5	290.8	33,000	33,000	33,000	75
255	40	80	76.1	296.8	39,300	39,300	39,300	76.3	293.0	34,500	37,000	34,500	75.5	289.4	32,500	32,500	32,500	80
255	40	85	75.1	295.5	38,800	38,800	38,800	75.3	291.6	34,000	36,500	34,000	74.5	288.0	32,000	32,000	32,000	85
255	40	90	74.1	294.1	38,300	38,300	38,300	74.3	289.8	33,500	36,000	33,500	73.5	286.6	31,500	31,500	31,500	90
255	40	95	73.1	292.9	37,800	37,800	37,800	73.3	288.2	33,000	35,500	33,000	72.4	284.0	31,000	31,000	31,000	95
255	40	100	72.1	291.6	37,300	37,300	37,300	73.3	286.2	32,500	35,000	32,500	71.3	282.2	30,500	30,500	30,500	100
255	40	110	70.9	289.9	36,800	36,800	36,800	71.3	284.2	32,000	34,500	32,000	70.3	279.9	29,900	29,900	29,900	110
255	40	120	69.9	288.3	36,300	36,300	36,300	69.2	282.2	31,500	34,000	31,500	68.2	277.8	29,400	29,400	29,400	120
255	40	130	68.9	286.9	35,800	35,800	35,800	67.1	279.8	31,000	33,500	31,000	66.0	275.5	28,900	28,900	28,900	130
255	40	140	67.7	285.7	35,300	35,300	35,300	64.9	277.8	30,500	33,000	30,500	64.0	273.9	28,400	28,400	28,400	140
255	40	150	66.7	284.1	34,700	34,700	34,700	62.8	275.5	29,900	32,500	29,900	61.8	271.6	27,900	27,900	27,900	150
255	40	160	65.5	282.8	34,200	34,200	34,200	60.5	273.2	29,400	32,000	29,400	59.6	269.2	27,400	27,400	27,400	160
255	40	170	64.3	281.6	33,700	33,700	33,700	58.2	270.9	28,900	31,500	28,900	57.2	266.9	26,900	26,900	26,900	170
255	40	180	63.2	280.6	33,200	33,200	33,200	55.9	268.3	28,400	31,000	28,400	54.4	264.6	26,400	26,400	26,400	180
255	40	190	62.1	279.6	32,700	32,700	32,700	53.5	265.7	27,900	30,500	27,900	51.9	262.2	25,900	25,900	25,900	190
255	40	200	61.0	278.6	32,200	32,200	32,200	50.9	263.2	27,400	30,000	27,400	49.2	259.8	25,400	25,400	25,400	200
255	40	210	59.9	277.7	31,700	31,700	31,700	48.3	260.3	26,900	29,500	26,900	46.5	257.3	24,900	24,900	24,900	210
255	40	220	58.8	276.9	31,200	31,200	31,200	45.6	257.8	26,400	29,000	26,400	43.6	254.8	24,400	24,400	24,400	220
255	40	230	57.7	276.2	30,700	30,700	30,700	42.7	255.2	25,900	28,500	25,900	40.5	252.3	23,900	23,900	23,900	230
255	40	240	56.6	275.6	30,200	30,200	30,200	39.7	252.3	25,400	28,000	25,400	37.1	249.8	23,400	23,400	23,400	240
255	40	250	55.4	275.1	29,700	29,700	29,700	36.4	249.3	24,900	27,500	24,900	34.5	247.3	22,900	22,900	22,900	250
255	40	260	54.3	274.6	29,200	29,200	29,200	32.8	246.8	24,400	27,000	24,400	31.5	244.8	22,400	22,400	22,400	260
255	40	270	53.2	274.1	28,700	28,700	28,700	28.9	244.3	23,900	26,500	23,900	28.3	242.3	21,900	21,900	21,900	270
255	40	280	52.1	273.6	28,200	28,200	28,200	24.2	241.8	23,400	26,000	23,400	24.2	240.3	21,400	21,400	21,400	280
255	40	290	51.0	273.1	27,700	27,700	27,700	18.4	239.3	22,900	25,500	22,900	18.4	237.8	20,900	20,900	20,900	290
255	40	300	50.0	272.6	27,200	27,200	27,200	92.0	236.8	22,400	25,000	22,400	92.0	235.3	20,400	20,400	20,400	300
255	40	310	49.0	272.1	26,700	26,700	26,700	81.8	319.2	33,200	33,200	33,200	81.7	314.1	28,200	28,200	28,200	310
255	60	54.23	82.0	322.6	34,700	34,700	34,700	81.8	318.2	33,200	33,200	33,200	81.7	312.9	28,200	28,200	28,200	54.23
255	60	55	81.9	322.4	34,700	34,700	34,700	80.9	317.1	32,800	32,800	32,800	80.8	312.9	28,200	28,200	28,200	55
255	60	60	80.9	321.6	34,400	34,400	34,400	80.9	316.9	32,400	32,400	32,400	80.8	312.9	28,200	28,200	28,200	60
255	60	65	80.0	320.7	34,100	34,100	34,100	80.0	315.9	32,000	32,000	32,000	80.8	312.9	28,200	28,200	28,200	65
255	60	70	79.1	319.7	33,800	33,800	33,800	79.1	314.6	31,600	31,600	31,600	79.8	311.6	28,200	28,200	28,200	70
255	60	75	78.2	318.6	33,500	33,500	33,500	78.1	313.3	31,200	31,200	31,200	78.9	311.6	28,200	28,200	28,200	75
255	60	80	77.3	317.4	33,100	33,100	33,100	77.2	312.0	30,800	30,800	30,800	77.7	310.2	28,200	28,200	28,200	80
255	60	85	76.3	316.2	32,800	32,800	32,800	75.3	310.3	30,400	30,400	30,400	75.0	307.2	26,600	26,600	26,600	85
255	60	90	75.4	314.8	32,500	32,500	32,500	73.4	307.0	30,000	30,000	30,000	73.1	305.9	26,200	26,200	26,200	90
255	60	100	73.5	313.9	31,800	31,800	31,800	71.5	303.3	29,600	29,600	29,600	71.1	303.9	25,800	25,800	25,800	100
255	60	110	71.6	308.5	31,100	31,100	31,100	69.5	300.3	29,100	29,100	29,100	68.9	300.1	25,400	25,400	25,400	110
255	60	120	69.7	304.8	30,500	30,500	30,500	67.5	299.2	28,700	28,700	28,700	67.1	298.4	25,000	25,000	25,000	120
255	60	130	67.8	300.8	29,900	29,900	29,900	65.5	296.2	28,200	28,200	28,200	65.0	295.9	24,600	24,600	24,600	130
255	60	140	65.8	296.3	29,300	29,300	29,300	63.5	292.6	27,600	27,600	27,600	62.9	292.1	24,200	24,200	24,200	140
255	60	150	63.8	291.4	28,700	28,700	28,700	61.4	288.3	27,000	27,000	27,000	60.7	288.4	23,800	23,800	23,800	150
255	60	160	61.8	286.0	28,100	28,100	28,100	59.2	284.3	26,400	26,400	26,400	58.5	284.3	23,400	23,400	23,400	160
255	60	170	59.7	280.2	27,500	27,500	27,500	57.0	278.5	25,800	25,800	25,800	56.2	278.5	23,000	23,000	23,000	170
255	60	180	57.5	273.9	27,000	27,000	27,000	54.8	274.5	25,300	25,300	25,300	54.0	274.5	22,600	22,600	22,600	180
255	60	190	55.4	267.0	26,500	26,500	26,500	52.4	269.2	24,700	24,700	24,700	51.3	269.2	22,200	22,200	22,200	190
255	60	200	53.1	259.5	26,000	26,000	26,000	50.0	264.5	24,200	24,200	24,200	49.8	264.5	21,800	21,800	21,800	200
255	60	210	50.8	251.4	25,500	25,500	25,500	47.5	259.2	23,700	23,700	23,700	47.1	259.2	21,400	21,400	21,400	210
255	60	220	48.4	242.6	25,000	25,000	25,000	45.0	254.6	23,200	23,200	23,200	44.6	254.6	21,000	21,000	21,000	220
255	60	23																



348 HYLAB 5 - w/ 80" x 95" Heavy Duty & 68" x 80" Long Range Boom, w/ 39" x 48" Tubular Jib, w/ 221.1K+75K Cwt  
Refer to the Tubular Jib Notes for Long Range Boom in this Crane Rating Manual before operating the crane.

Boom Length (ft)	Jib Length (ft)	Jib Load Radius (ft)	Boom Angle (deg)	Jib Point Height (ft)	5 Degrees			15 Degrees			25 Degrees			Jib Load Radius (ft)
					Jib Capacity (lbs)			Jib Capacity (lbs)			Jib Capacity (lbs)			
					Over End Blocked	Extended	Retracted	Over End Blocked	Extended	Retracted	Over End Blocked	Extended	Retracted	
255	80	58.73	82.0	342.1	30,500	30,500	30,500	28,400	28,100	28,400	28,400	28,100	28,400	58.73
255	80	60	81.8	341.8	30,400	30,400	30,400	28,400	28,100	28,400	28,400	28,100	28,400	60
255	80	65	80.9	341.0	30,200	30,200	30,200	28,400	28,100	28,400	28,400	28,100	28,400	65
255	80	70	80.1	340.0	29,900	29,900	29,900	28,400	28,100	28,400	28,400	28,100	28,400	70
255	80	75	79.2	339.0	29,700	29,700	29,700	28,400	28,100	28,400	28,400	28,100	28,400	75
255	80	80	78.3	337.9	29,400	29,400	29,400	28,400	28,100	28,400	28,400	28,100	28,400	80
255	80	85	77.5	336.7	29,100	29,100	29,100	28,400	28,100	28,400	28,400	28,100	28,400	85
255	80	90	76.6	335.5	28,800	28,800	28,800	28,400	28,100	28,400	28,400	28,100	28,400	90
255	80	100	74.8	332.7	28,200	28,200	28,200	28,400	28,100	28,400	28,400	28,100	28,400	100
255	80	110	73.1	329.6	27,700	27,700	27,700	28,400	28,100	28,400	28,400	28,100	28,400	110
255	80	120	71.3	326.2	26,300	26,300	26,300	28,400	28,100	28,400	28,400	28,100	28,400	120
255	80	130	69.5	322.3	24,500	24,500	24,500	28,400	28,100	28,400	28,400	28,100	28,400	130
255	80	140	67.6	318.2	22,900	22,900	22,900	28,400	28,100	28,400	28,400	28,100	28,400	140
255	80	150	65.8	313.6	21,500	21,500	21,500	28,400	28,100	28,400	28,400	28,100	28,400	150
255	80	160	63.9	308.7	20,200	20,200	20,200	28,400	28,100	28,400	28,400	28,100	28,400	160
255	80	170	61.9	303.3	19,000	19,000	19,000	28,400	28,100	28,400	28,400	28,100	28,400	170
255	80	180	60.0	297.5	18,000	18,000	18,000	28,400	28,100	28,400	28,400	28,100	28,400	180
255	80	190	58.0	291.2	17,000	17,000	17,000	28,400	28,100	28,400	28,400	28,100	28,400	190
255	80	200	55.9	284.4	16,100	16,100	16,100	28,400	28,100	28,400	28,400	28,100	28,400	200
255	80	210	53.8	277.0	15,300	15,300	15,300	28,400	28,100	28,400	28,400	28,100	28,400	210
255	80	220	51.7	269.1	14,500	14,500	14,500	28,400	28,100	28,400	28,400	28,100	28,400	220
255	80	230	49.4	260.5	13,800	13,800	13,800	28,400	28,100	28,400	28,400	28,100	28,400	230
255	80	240	47.1	251.2	13,100	13,100	13,100	28,400	28,100	28,400	28,400	28,100	28,400	240
255	80	250	44.7	241.1	12,500	12,500	12,500	28,400	28,100	28,400	28,400	28,100	28,400	250
255	80	260	42.2	230.1	12,000	12,000	12,000	28,400	28,100	28,400	28,400	28,100	28,400	260
255	80	270	39.5	218.1	11,400	11,400	11,400	28,400	28,100	28,400	28,400	28,100	28,400	270
255	80	280	36.7	204.8	10,100	10,100	10,100	28,400	28,100	28,400	28,400	28,100	28,400	280
255	80	290	33.7	189.9	8,800	8,800	8,800	28,400	28,100	28,400	28,400	28,100	28,400	290
255	80	300	30.4	173.2	7,600	7,600	7,600	28,400	28,100	28,400	28,400	28,100	28,400	300
255	80	310	26.7	153.9	6,300	6,300	6,300	28,400	28,100	28,400	28,400	28,100	28,400	310
255	80	320	22.4	130.8	5,200	5,200	5,200	28,400	28,100	28,400	28,400	28,100	28,400	320
255	80	330	17.1	101.1	3,900	3,900	3,900	28,400	28,100	28,400	28,400	28,100	28,400	330
255	80	340	8.8	53.3	2,500	2,500	2,500	28,400	28,100	28,400	28,400	28,100	28,400	340
255	100	63.23	82.0	361.5	26,500	26,500	26,500	23,900	23,100	23,900	23,900	23,100	23,900	63.23
255	100	65	81.7	361.2	26,500	26,500	26,500	23,900	23,100	23,900	23,900	23,100	23,900	65
255	100	70	80.9	360.4	26,200	26,200	26,200	23,900	23,100	23,900	23,900	23,100	23,900	70
255	100	75	80.1	359.4	26,000	26,000	26,000	23,900	23,100	23,900	23,900	23,100	23,900	75
255	100	80	79.3	358.4	25,800	25,800	25,800	23,900	23,100	23,900	23,900	23,100	23,900	80
255	100	85	78.5	357.2	25,600	25,600	25,600	23,900	23,100	23,900	23,900	23,100	23,900	85
255	100	90	77.6	356.1	25,300	25,300	25,300	23,900	23,100	23,900	23,900	23,100	23,900	90
255	100	100	76.0	353.5	24,900	24,900	24,900	23,900	23,100	23,900	23,900	23,100	23,900	100
255	100	110	74.3	350.5	24,200	24,200	24,200	23,900	23,100	23,900	23,900	23,100	23,900	110
255	100	120	72.6	347.3	22,500	22,500	22,500	23,900	23,100	23,900	23,900	23,100	23,900	120
255	100	130	70.9	343.7	20,900	20,900	20,900	23,900	23,100	23,900	23,900	23,100	23,900	130
255	100	140	69.2	339.8	19,500	19,500	19,500	23,900	23,100	23,900	23,900	23,100	23,900	140
255	100	150	67.5	335.6	18,200	18,200	18,200	23,900	23,100	23,900	23,900	23,100	23,900	150
255	100	160	65.7	331.0	17,100	17,100	17,100	23,900	23,100	23,900	23,900	23,100	23,900	160
255	100	170	63.9	326.0	16,000	16,000	16,000	23,900	23,100	23,900	23,900	23,100	23,900	170
255	100	180	62.1	320.6	15,100	15,100	15,100	23,900	23,100	23,900	23,900	23,100	23,900	180
255	100	190	60.3	314.7	14,200	14,200	14,200	23,900	23,100	23,900	23,900	23,100	23,900	190
255	100	200	58.4	308.5	13,400	13,400	13,400	23,900	23,100	23,900	23,900	23,100	23,900	200
255	100	210	56.4	301.7	12,700	12,700	12,700	23,900	23,100	23,900	23,900	23,100	23,900	210
255	100	220	54.5	294.5	12,000	12,000	12,000	23,900	23,100	23,900	23,900	23,100	23,900	220
255	100	230	52.4	286.7	11,400	11,400	11,400	23,900	23,100	23,900	23,900	23,100	23,900	230
255	100	240	50.3	278.3	10,800	10,800	10,800	23,900	23,100	23,900	23,900	23,100	23,900	240
255	100	250	48.2	269.2	10,200	10,200	10,200	23,900	23,100	23,900	23,900	23,100	23,900	250



348 HYLAB 5 - w/ 80" x 95" Heavy Duty & 68" x 80" Long Range Boom, w/ 39" x 48" Tubular Jib, w/ 221.1K+75K Cwt  
Refer to the Tubular Jib Notes for Long Range Boom in this Crane Rating Manual before operating the crane.

Boom Length (ft)	Jib Length (ft)	Jib Load Radius (ft)	Jib Angle to Boom										Jib Load Radius (ft)									
			5 Degrees					15 Degrees						25 Degrees								
			Boom Angle (deg)	Jib Point Height (ft)	Over End Blocked	Extended	Retracted	Boom Angle (deg)	Jib Point Height (ft)	Over End Blocked	Extended	Retracted		Boom Angle (deg)	Jib Point Height (ft)	Over End Blocked	Extended	Retracted				
255	100	260	46.0	259.5	9,700	9,700	8,900	8,900	8,900	8,900	48.4	256.3	8,800	8,800	8,800	8,800	50.4	250.0	7,800	8,100	8,100	260
255	100	270	43.6	248.9	9,200	9,200	8,400	8,400	8,400	8,400	46.0	245.6	8,400	8,400	8,400	8,400	47.9	239.0	7,800	8,100	8,100	270
255	100	280	41.2	237.4	8,800	8,800	8,000	8,000	8,000	8,000	43.5	234.0	8,000	8,100	8,100	8,100	45.4	227.0	7,500	7,800	7,800	280
255	100	290	38.6	224.8	8,400	7,900	7,900	7,900	7,900	7,900	40.9	221.2	7,800	7,700	7,700	7,700	42.7	213.8	7,200	7,500	7,500	290
255	100	300	35.9	211.0	8,000	7,000	7,000	7,000	7,000	7,000	38.1	207.1	7,400	7,400	7,400	7,400	39.8	199.2	6,800	7,000	7,000	300
255	100	310	33.0	195.6	6,900	6,100	6,100	6,100	6,100	6,100	35.1	191.4	6,200	6,500	6,500	6,500	36.7	182.8	6,800	6,800	6,800	310
255	100	320	29.8	178.3	5,800	5,300	5,300	5,300	5,300	5,300	31.9	173.6	5,200	5,800	5,800	5,800	33.2	164.0	6,500	6,500	6,500	320
255	100	330	26.2	158.3	4,700	4,500	4,500	4,500	4,500	4,500	28.2	153.0	4,700	4,800	4,800	4,800	29.3	141.9	5,300	5,300	5,300	330
255	100	340	22.0	134.4	3,600	3,600	3,600	3,600	3,600	3,600	23.8	128.0	3,900	3,900	3,900	3,900	23.8	128.0	3,900	3,900	3,900	340
255	100	350	16.9	103.7	2,500	2,500	2,500	2,500	2,500	2,500	18.3	95.1	2,800	2,800	2,800	2,800	18.3	95.1	2,800	2,800	2,800	350
255	120	67.73	82.0	381.0	22,800	22,800	22,800	22,800	22,800	22,800	81.6	374.0	19,800	19,800	19,800	19,800	81.4	363.6	14,100	14,100	14,100	67.73
255	120	70	81.7	380.6	22,700	22,700	22,700	22,700	22,700	22,700	80.1	371.5	18,400	18,400	18,400	18,400	79.8	360.5	13,300	13,300	13,300	70
255	120	75	80.9	379.7	22,600	22,600	22,600	22,600	22,600	22,600	78.5	368.8	17,100	17,100	17,100	17,100	78.1	357.1	12,600	12,600	12,600	75
255	120	80	80.1	378.7	22,400	22,400	22,400	22,400	22,400	22,400	76.5	366.8	16,000	16,000	16,000	16,000	76.5	353.3	11,800	11,800	11,800	80
255	120	85	79.3	377.7	22,200	22,200	22,200	22,200	22,200	22,200	75.3	365.7	14,900	14,900	14,900	14,900	74.8	349.2	11,200	11,200	11,200	85
255	120	90	78.6	376.6	22,000	22,000	22,000	22,000	22,000	22,000	73.6	362.3	13,100	13,100	13,100	13,100	73.1	344.8	10,500	10,500	10,500	90
255	120	100	77.0	374.1	21,600	21,600	21,600	21,600	21,600	21,600	72.2	358.6	11,800	11,800	11,800	11,800	71.4	340.0	10,000	10,000	10,000	100
255	120	110	75.4	371.4	21,000	21,000	21,000	21,000	21,000	21,000	70.6	356.6	10,300	10,300	10,300	10,300	69.7	334.8	9,400	9,400	9,400	110
255	120	120	73.8	368.3	20,400	20,400	20,400	20,400	20,400	20,400	68.6	345.5	9,200	9,200	9,200	9,200	67.9	329.3	8,900	8,900	8,900	120
255	120	130	72.2	365.0	19,400	18,000	18,000	18,000	18,000	18,000	66.9	340.4	8,200	8,200	8,200	8,200	66.1	323.3	8,500	8,500	8,500	130
255	120	140	70.6	361.3	16,800	16,800	16,800	16,800	16,800	16,800	65.2	335.0	7,000	7,000	7,000	7,000	65.5	320.6	7,300	7,300	7,300	140
255	120	150	69.0	357.3	15,700	15,700	15,700	15,700	15,700	15,700	63.4	329.1	6,000	6,000	6,000	6,000	62.4	310.0	6,900	6,900	6,900	150
255	120	160	67.3	353.0	14,600	14,600	14,600	14,600	14,600	14,600	61.6	322.8	5,200	5,200	5,200	5,200	60.5	294.7	6,900	6,900	6,900	160
255	120	170	65.7	348.3	13,700	13,700	13,700	13,700	13,700	13,700	59.8	316.0	4,500	4,500	4,500	4,500	58.5	286.2	6,600	6,600	6,600	170
255	120	180	64.0	343.3	12,800	12,800	12,800	12,800	12,800	12,800	57.9	308.8	4,000	4,000	4,000	4,000	56.4	277.0	6,300	6,300	6,300	180
255	120	190	62.3	337.8	12,000	12,000	12,000	12,000	12,000	12,000	56.2	301.1	3,500	3,500	3,500	3,500	55.2	267.1	6,000	6,000	6,000	190
255	120	200	60.5	332.0	11,300	11,300	11,300	11,300	11,300	11,300	54.0	292.7	3,000	3,000	3,000	3,000	54.4	256.5	5,800	5,800	5,800	200
255	120	210	58.7	325.8	10,600	10,600	10,600	10,600	10,600	10,600	51.9	283.8	2,500	2,500	2,500	2,500	52.2	244.9	5,500	5,500	5,500	210
255	120	220	56.9	319.1	10,000	10,000	10,000	10,000	10,000	10,000	49.8	274.2	2,000	2,000	2,000	2,000	50.4	232.4	5,300	5,300	5,300	220
255	120	230	55.0	311.9	9,400	9,400	9,400	9,400	9,400	9,400	47.6	263.8	1,800	1,800	1,800	1,800	49.9	227.0	5,100	5,100	5,100	230
255	120	240	53.1	304.2	8,900	8,900	8,900	8,900	8,900	8,900	45.3	252.6	1,600	1,600	1,600	1,600	47.6	218.5	4,900	4,900	4,900	240
255	120	250	51.2	296.0	8,400	8,400	8,400	8,400	8,400	8,400	42.9	240.5	1,400	1,400	1,400	1,400	45.1	203.2	4,700	4,700	4,700	250
255	120	260	49.1	287.2	7,900	7,900	7,900	7,900	7,900	7,900	40.4	227.2	1,200	1,200	1,200	1,200	42.4	196.4	4,600	4,600	4,600	260
255	120	270	47.0	277.7	7,500	7,500	7,500	7,500	7,500	7,500	37.7	212.5	1,000	1,000	1,000	1,000	39.6	186.4	4,500	4,500	4,500	270
255	120	280	44.9	267.5	7,100	7,100	7,100	7,100	7,100	7,100	34.8	201.1	900	900	900	900	36.5	177.7	4,400	4,400	4,400	280
255	120	290	42.6	256.4	6,700	6,700	6,700	6,700	6,700	6,700	31.6	183.2	800	800	800	800	33.1	166.4	4,300	4,300	4,300	290
255	120	300	40.3	244.5	6,400	6,400	6,400	6,400	6,400	6,400	28.0	168.5	700	700	700	700	29.2	156.3	4,200	4,200	4,200	300
255	120	310	37.8	231.4	6,000	6,000	6,000	6,000	6,000	6,000	23.7	150.4	600	600	600	600	23.7	137.8	4,100	4,100	4,100	310
255	120	320	35.1	217.0	5,700	5,700	5,700	5,700	5,700	5,700	21.0	140.0	500	500	500	500	21.0	128.0	4,000	4,000	4,000	320
255	120	330	32.3	201.1	5,100	5,100	5,100	5,100	5,100	5,100	18.0	130.4	400	400	400	400	18.0	118.0	3,900	3,900	3,900	330
255	120	340	29.2	183.2	4,100	4,100	4,100	4,100	4,100	4,100	15.0	120.0	300	300	300	300	15.0	108.0	3,800	3,800	3,800	340
255	120	350	25.7	162.5	3,200	3,200	3,200	3,200	3,200	3,200	12.0	110.0	200	200	200	200	12.0	98.0	3,700	3,700	3,700	350
255	120	360	21.6	137.8	2,200	2,200	2,200	2,200	2,200	2,200	9.0	100.0	100	100	100	100	9.0	88.0	3,600	3,600	3,600	360

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348 HYLAB 5 - w/ 80" x 95" Heavy Duty & 68" x 80" Long Range Boom, w/ 39" x 48" Tubular Jib, w/ 221.1K+75K Cwt  
Refer to the Tubular Jib Notes for Long Range Boom in this Crane Rating Manual before operating the crane.

Boom Length (ft)	Jib Length (ft)	Jib Load Radius (ft)	Jib Angle to Boom										Jib Load Radius (ft)								
			5 Degrees					15 Degrees						25 Degrees							
			Boom Angle (deg)	Jib Point Height (ft)	Over End Blocked	Extended	Retracted	Boom Angle (deg)	Jib Point Height (ft)	Over End Blocked	Extended	Retracted		Boom Angle (deg)	Jib Point Height (ft)	Over End Blocked	Extended	Retracted			
255	140	72.23	82.0	400.5	19,400	19,400	19,400	19,400	19,400	19,400	81.3	391.9	15,900	15,900	15,900	81.5	390.6	11,300	11,300	11,300	72.23
255	140	75	81.6	400.0	19,300	19,300	19,300	19,300	19,300	19,300	79.8	389.2	14,800	14,800	14,800	80.0	377.4	10,600	10,600	10,600	75
255	140	80	80.9	399.1	19,200	19,200	19,200	19,200	19,200	19,200	78.8	386.3	13,700	13,700	13,700	80.0	374.4	9,900	9,900	9,900	80
255	140	85	80.1	398.1	19,000	19,000	19,000	19,000	19,000	19,000	75.3	383.2	12,800	12,800	12,800	78.4	373.8	9,800	9,800	9,800	85
255	140	90	79.4	397.0	18,900	18,900	18,900	18,900	18,900	18,900	72.1	379.7	11,900	11,900	11,900	76.9	370.0	9,300	9,300	9,300	90
255	140	100	77.9	394.7	18,600	18,600	18,600	18,600	18,600	18,600	70.4	375.9	11,200	11,200	11,200	75.3	365.8	8,700	8,700	8,700	100
255	140	110	76.4	392.1	18,300	18,300	18,300	18,300	18,300	18,300	68.8	371.8	10,400	10,400	10,400	72.0	351.2	7,300	7,300	7,300	110
255	140	120	74.9	389.2	17,000	17,000	17,000	17,000	17,000	17,000	67.2	367.3	9,800	9,800	9,800	70.4	345.6	6,900	6,900	6,900	120
255	140	130	73.4	386.1	15,700	15,700	15,700	15,700	15,700	15,700	65.6	362.6	9,100	9,100	9,100	68.7	339.6	6,500	6,500	6,500	130
255	140	140	71.9	382.6	14,600	14,600	14,600	14,600	14,600	14,600	64.0	357.4	8,600	8,600	8,600	65.2	332.4	6,100	6,100	6,100	140
255	140	150	70.4	378.8	13,500	13,500	13,500	13,500	13,500	13,500	62.4	351.9	8,100	8,100	8,100	63.4	326.4	5,800	5,800	5,800	150
255	140	160	68.8	374.8	12,600	12,600	12,600	12,600	12,600	12,600	60.7	346.1	7,600	7,600	7,600	61.6	319.1	5,400	5,400	5,400	160
255	140	170	67.2	370.4	11,700	11,700	11,700	11,700	11,700	11,700	59.0	343.1	7,100	7,100	7,100	59.8	311.2	5,100	5,100	5,100	170
255	140	180	65.6	365.6	10,900	10,900	10,900	10,900	10,900	10,900	57.8	339.8	6,700	6,700	6,700	57.8	302.9	4,900	4,900	4,900	180
255	140	190	64.0	360.6	10,200	10,200	10,200	10,200	10,200	10,200	55.1	330.3	6,000	6,000	6,000	55.8	293.9	4,600	4,600	4,600	190
255	140	200	62.4	355.1	9,500	9,500	9,500	9,500	9,500	9,500	53.1	329.0	5,700	5,700	5,700	53.8	284.3	4,400	4,400	4,400	200
255	140	210	60.7	349.3	8,900	8,900	8,900	8,900	8,900	8,900	51.1	321.1	5,300	5,300	5,300	51.7	273.9	4,100	4,100	4,100	210
255	140	220	59.0	343.1	8,400	8,400	8,400	8,400	8,400	8,400	49.1	317.1	5,000	5,000	5,000	49.5	262.8	3,900	3,900	3,900	220
255	140	230	57.3	336.4	7,800	7,800	7,800	7,800	7,800	7,800	47.2	310.3	4,700	4,700	4,700	47.2	250.7	3,700	3,700	3,700	230
255	140	240	55.5	329.3	7,300	7,300	7,300	7,300	7,300	7,300	44.7	301.3	4,500	4,500	4,500	44.8	237.6	3,500	3,500	3,500	240
255	140	250	53.7	321.8	6,900	6,900	6,900	6,900	6,900	6,900	42.2	292.0	4,300	4,300	4,300	42.2	223.2	3,300	3,300	3,300	250
255	140	260	51.9	313.7	6,400	6,400	6,400	6,400	6,400	6,400	40.0	281.9	4,100	4,100	4,100	40.0	211.8	3,200	3,200	3,200	260
255	140	270	50.0	305.1	6,000	6,000	6,000	6,000	6,000	6,000	37.3	271.1	4,000	4,000	4,000	39.4	207.2	3,200	3,200	3,200	270
255	140	280	48.0	295.8	5,700	5,700	5,700	5,700	5,700	5,700	34.4	259.4	3,900	3,900	3,900	36.4	189.3	3,000	3,000	3,000	280
255	140	290	46.0	285.9	5,300	5,300	5,300	5,300	5,300	5,300	31.3	248.8	3,800	3,800	3,800	33.1	181.7	2,900	2,900	2,900	290
255	140	300	43.9	275.3	5,000	5,000	5,000	5,000	5,000	5,000	29.2	237.8	3,700	3,700	3,700	29.2	174.6	2,800	2,800	2,800	300
255	140	310	41.7	263.8	4,700	4,700	4,700	4,700	4,700	4,700	27.8	227.1	3,600	3,600	3,600	27.8	168.8	2,700	2,700	2,700	310
255	140	320	39.4	251.3	4,400	4,400	4,400	4,400	4,400	4,400	25.8	217.8	3,500	3,500	3,500	25.8	164.6	2,600	2,600	2,600	320
255	140	330	37.0	237.8	4,100	4,100	4,100	4,100	4,100	4,100	23.8	208.8	3,400	3,400	3,400	23.8	159.6	2,500	2,500	2,500	330
255	140	340	34.4	222.9	3,900	3,900	3,900	3,900	3,900	3,900	21.8	200.8	3,300	3,300	3,300	21.8	151.7	2,400	2,400	2,400	340
255	140	350	31.6	206.4	3,500	3,500	3,500	3,500	3,500	3,500	19.7	181.7	3,100	3,100	3,100	19.7	144.6	2,300	2,300	2,300	350
255	140	360	28.6	187.9	2,600	2,600	2,600	2,600	2,600	2,600	17.8	159.6	2,200	2,200	2,200	17.8	144.6	2,200	2,200	2,200	360
255	140	370																			370



348 HYLAB 5 - w/ 80" x 95" Heavy Duty & 68" x 80" Long Range Boom, w/ 39" x 48" Tubular Jib, w/ 221.1K+75K Cwt  
Refer to the Tubular Jib Notes for Long Range Boom in this Crane Rating Manual before operating the crane.

Boom Length (ft)	Jib Length (ft)	Jib Load Radius (ft)	Jib Angle to Boom										Jib Load Radius (ft)		
			5 Degrees			15 Degrees			25 Degrees			Jib Load Radius (ft)			
			Boom Angle (deg)	Jib Point Height (ft)	Jib Capacity (lbs) 360°	Boom Angle (deg)	Jib Point Height (ft)	Jib Capacity (lbs) 360°	Boom Angle (deg)	Jib Point Height (ft)	Jib Capacity (lbs) 360°				
265	40	51.12	82.0	313.0	36,100	36,100	81.6	310.4	35,000	35,000	81.8	307.3	33,300	33,300	51.12
265	40	55	80.3	312.4	35,900	35,900	80.6	309.5	35,000	35,000	80.8	306.3	32,800	32,800	60
265	40	60	79.4	311.5	35,500	35,500	79.7	308.4	34,600	34,600	79.9	305.1	32,300	32,300	65
265	40	65	78.4	310.5	35,200	35,200	78.7	307.3	34,100	34,100	78.9	303.9	31,800	31,800	70
265	40	70	77.5	309.5	34,800	34,800	77.8	306.1	33,700	33,700	77.9	302.6	31,300	31,300	75
265	40	75	76.5	308.4	34,500	34,500	76.8	304.8	33,300	33,300	77.0	301.2	30,900	30,900	80
265	40	80	75.6	307.2	34,100	34,100	75.8	303.4	32,900	32,900	75.0	298.1	30,000	30,000	85
265	40	85	74.6	305.9	33,800	33,700	74.9	302.3	32,500	32,500	74.0	296.6	29,200	29,200	90
265	40	90	72.7	304.5	33,400	33,400	73.9	300.3	32,100	32,100	73.0	294.6	28,500	28,500	100
265	40	100	70.7	301.4	32,700	32,700	71.9	296.8	30,900	30,900	71.0	290.7	27,800	27,800	110
265	40	110	68.7	298.0	31,900	31,900	69.9	293.0	30,100	30,100	68.9	286.5	27,100	27,100	120
265	40	120	66.7	294.1	31,200	31,200	67.9	288.8	29,400	29,400	66.9	281.7	26,400	26,400	130
265	40	130	64.6	289.9	30,500	30,500	65.8	284.1	28,700	28,700	64.8	276.6	25,700	25,700	140
265	40	140	62.5	285.2	29,900	29,900	63.7	278.9	28,100	28,100	62.6	270.9	25,000	25,000	150
265	40	150	60.4	280.1	29,200	29,200	61.6	273.3	27,300	27,300	60.4	264.7	24,000	24,000	160
265	40	160	58.2	274.6	28,600	28,600	59.4	267.2	26,100	26,100	58.1	258.0	23,000	23,000	170
265	40	170	56.0	268.5	28,000	28,000	57.2	260.6	25,000	25,000	55.8	250.7	22,100	22,100	180
265	40	180	53.7	261.9	27,200	27,200	54.9	253.3	23,800	23,800	53.4	242.7	21,300	21,300	190
265	40	190	51.4	254.6	26,300	26,300	52.5	245.4	22,800	22,800	50.9	234.0	20,600	20,600	200
265	40	200	48.9	246.8	25,500	25,500	50.0	236.8	22,000	22,000	48.3	224.5	19,200	19,200	210
265	40	210	46.4	238.3	24,700	24,700	47.5	227.5	21,100	21,100	45.6	214.1	17,300	17,300	220
265	40	220	43.7	228.9	23,900	23,900	44.8	217.2	20,900	20,900	42.8	202.6	15,600	15,600	230
265	40	230	40.9	218.7	23,100	23,100	42.0	205.9	20,000	20,000	39.7	189.8	14,000	14,000	240
265	40	240	38.0	207.5	22,200	22,200	39.0	193.3	19,400	19,400	36.4	175.5	12,200	12,200	250
265	40	250	34.8	195.1	21,300	21,300	35.8	186.3	18,800	18,800	32.8	159.1	10,600	10,600	260
265	40	260	31.3	181.2	20,400	20,400	32.3	179.3	17,400	17,400	28.8	140.0	9,000	9,000	270
265	40	270	27.4	165.4	19,500	19,500	28.3	163.3	16,400	16,400			7,500	7,500	280
265	40	280	23.0	147.2	18,600	18,600	23.8	144.8	15,500	15,500					290
265	40	290	17.4	125.3	17,700	17,700	18.0	93.4	14,600	14,600					300
265	40	300		97.1	16,800	16,800			13,800	13,800					



348 HYLAB 5 - w/ 80" x 95" Heavy Duty & 68" x 80" Long Range Boom, w/ 39" x 48" Tubular Jib, w/ 221.1K+75K Cwt  
Refer to the Tubular Jib Notes for Long Range Boom in this Crane Rating Manual before operating the crane.

Boom Length (ft)	Jib Length (ft)	Jib Load Radius (ft)	5 Degrees			15 Degrees			25 Degrees			Jib Load Radius (ft)							
			Boom Angle (deg)	Jib Point Height (ft)	Jib Capacity (lbs)			Boom Angle (deg)	Jib Point Height (ft)	Jib Capacity (lbs)			Boom Angle (deg)	Jib Point Height (ft)	Jib Capacity (lbs)				
					Over End Blocked	Extended	Retracted			Over End Blocked	Extended				Retracted	Over End Blocked	Extended	Retracted	
265	60	55.62	82.0	332.5	32,200	31,900	31,900	32,200	81.2	328.4	30,500	30,500	30,500	81.1	323.1	27,700	27,700	27,700	55.62
265	60	60	81.2	331.8	31,900	31,600	31,900	31,900	80.3	327.3	30,100	30,100	30,100	80.1	321.9	27,300	27,300	27,300	60
265	60	65	80.3	330.9	31,600	31,300	31,600	31,600	79.2	326.6	29,700	29,700	29,700	79.2	320.6	26,800	26,800	26,800	65
265	60	70	79.5	329.9	31,300	31,000	31,300	31,300	78.6	325.8	29,300	29,300	29,300	78.6	319.7	26,400	26,400	26,400	70
265	60	75	78.6	328.8	30,900	30,600	30,900	30,900	77.7	325.2	28,900	28,900	28,900	77.7	318.7	26,000	26,000	26,000	75
265	60	80	77.7	327.7	30,600	30,300	30,600	30,600	76.8	324.9	28,500	28,500	28,500	76.8	317.7	25,600	25,600	25,600	80
265	60	85	76.8	326.5	30,300	30,000	30,300	30,300	75.9	323.6	28,100	28,100	28,100	75.9	316.4	25,200	25,200	25,200	85
265	60	90	75.9	325.2	30,000	30,000	30,000	30,000	74.0	322.3	27,700	27,700	27,700	74.0	315.4	24,900	24,900	24,900	90
265	60	100	74.0	322.3	29,300	29,300	29,300	29,300	72.2	319.1	27,400	27,400	27,400	72.2	314.4	24,500	24,500	24,500	100
265	60	110	72.2	319.1	28,600	28,600	28,600	28,600	70.4	315.5	27,000	27,000	27,000	70.4	310.8	23,600	23,600	23,600	110
265	60	120	70.4	315.5	28,000	28,000	28,000	28,000	68.5	311.6	26,700	26,700	26,700	68.5	306.8	22,400	22,400	22,400	120
265	60	130	68.5	311.6	27,400	27,400	27,400	27,400	66.6	307.3	26,700	26,700	26,700	66.6	302.4	21,300	21,300	21,300	130
265	60	140	66.6	307.3	26,700	26,700	26,700	26,700	64.7	302.6	25,800	25,800	25,800	64.7	297.6	20,300	20,300	20,300	140
265	60	150	64.7	302.6	25,800	25,800	25,800	25,800	62.7	297.4	24,300	24,300	24,300	62.7	292.4	19,300	19,300	19,300	150
265	60	160	62.7	297.4	24,300	24,300	24,300	24,300	60.7	291.8	23,000	23,000	23,000	60.7	286.7	18,500	18,500	18,500	160
265	60	170	60.7	291.8	23,000	23,000	23,000	23,000	58.7	285.8	21,800	21,800	21,800	58.7	280.5	17,700	17,700	17,700	170
265	60	180	58.7	285.8	21,800	21,800	21,800	21,800	56.6	277.4	20,700	20,700	20,700	56.6	273.8	17,000	17,000	17,000	180
265	60	190	56.6	279.2	20,700	20,700	20,700	20,700	54.4	272.1	19,500	19,500	19,500	54.4	266.5	16,300	16,300	16,300	190
265	60	200	54.4	272.1	19,700	19,700	19,700	19,700	52.2	265.0	18,700	18,700	18,700	52.2	258.7	15,700	15,700	15,700	200
265	60	210	52.2	264.4	18,700	18,700	18,700	18,700	50.1	254.1	17,000	17,000	17,000	50.1	250.1	15,100	15,100	15,100	210
265	60	220	49.9	256.0	17,800	17,800	17,800	17,800	48.2	244.9	15,700	15,700	15,700	48.2	240.8	14,600	14,600	14,600	220
265	60	230	47.6	247.0	17,000	17,000	17,000	17,000	46.7	235.0	15,100	15,100	15,100	46.7	230.7	14,100	14,100	14,100	230
265	60	240	45.1	237.1	15,700	15,700	15,700	15,700	44.1	224.2	14,500	14,500	14,500	44.1	219.7	13,700	13,700	13,700	240
265	60	250	42.6	226.4	14,400	14,400	14,400	14,400	41.4	212.2	13,800	13,800	13,800	41.4	207.5	13,100	13,100	13,100	250
265	60	260	39.9	214.6	12,400	12,400	12,400	12,400	38.5	199.1	11,300	11,300	11,300	38.5	194.0	10,700	10,700	10,700	260
265	60	270	37.0	201.6	10,900	10,900	10,900	10,900	35.4	184.3	9,800	9,800	9,800	35.4	178.8	9,500	9,500	9,500	270
265	60	280	33.9	187.1	9,500	9,500	9,500	9,500	31.9	167.7	8,400	8,400	8,400	31.9	161.5	8,300	8,300	8,300	280
265	60	290	30.6	170.7	8,100	8,100	8,100	8,100	28.1	148.3	7,100	7,100	7,100	28.1	141.3	7,200	7,200	7,200	290
265	60	300	26.9	151.7	6,800	6,800	6,800	6,800	23.7	124.9	5,200	5,200	5,200	23.7	117.1	6,200	6,200	6,200	300
265	60	310	22.5	129.0	5,500	5,500	5,500	5,500	18.0	94.4	4,400	4,400	4,400	18.0	88.8	4,300	4,300	4,300	310
265	60	320	17.1	99.8	4,200	4,200	4,200	4,200											320
265	60	330	8.8	52.9	2,700	2,700	2,700	2,700											330



348 HYLAB 5 - w/ 80" x 95" Heavy Duty & 68" x 80" Long Range Boom, w/ 39" x 48" Tubular Jib, w/ 221.1K+75K Cwt  
Refer to the Tubular Jib Notes for Long Range Boom in this Crane Rating Manual before operating the crane.

Boom Length (ft)	Jib Length (ft)	Jib Load Radius (ft)	Jib Angle to Boom										Jib Load Radius (ft)					
			5 Degrees			15 Degrees			25 Degrees			Jib Load Radius (ft)						
			Boom Angle (deg)	Jib Point Height (ft)	Over End Blocked	Extended	Retracted	Boom Angle (deg)	Jib Point Height (ft)	Over End Blocked	Extended			Retracted	Boom Angle (deg)	Jib Point Height (ft)	Over End Blocked	Extended
265	80	60.12	82.0	352.0	28,400	28,400	28,400	81.7	347.3	26,500	26,500	26,500	81.3	340.0	21,200	21,200	21,200	60.12
265	80	65	81.2	351.1	28,100	27,900	27,900	81.7	346.2	26,200	26,200	26,200	81.3	337.3	21,200	21,200	21,200	65
265	80	70	80.3	350.2	27,900	27,600	27,600	80.9	346.2	26,200	26,200	26,200	80.9	334.2	20,200	20,200	20,200	70
265	80	75	79.5	349.2	27,600	27,300	27,300	80.9	345.1	25,800	25,800	25,800	80.9	330.8	19,100	19,100	19,100	75
265	80	80	78.7	348.2	27,300	27,000	27,000	80.0	343.9	25,500	25,500	25,500	81.3	337.3	21,200	21,200	21,200	80
265	80	85	77.8	347.0	27,000	26,700	26,700	80.0	343.9	25,500	25,500	25,500	79.5	334.2	20,200	20,200	20,200	85
265	80	90	77.0	345.8	26,700	26,400	26,400	79.2	343.9	25,500	25,500	25,500	79.5	333.0	20,200	20,200	20,200	90
265	80	100	75.3	343.1	26,400	26,100	26,100	77.5	341.2	25,000	24,800	24,800	79.5	333.0	20,200	20,200	20,200	100
265	80	110	73.6	340.1	26,100	25,800	25,800	75.7	338.1	23,600	23,600	23,600	77.8	334.2	20,200	20,200	20,200	110
265	80	120	71.8	336.8	25,800	25,500	25,500	74.0	334.8	22,200	22,200	22,200	76.0	330.8	19,100	19,100	19,100	120
265	80	130	70.1	333.1	24,400	24,400	24,400	72.2	331.1	20,800	20,800	20,800	74.2	327.1	18,100	18,100	18,100	130
265	80	140	68.3	329.1	22,900	22,900	22,900	70.4	327.0	19,700	19,700	19,700	72.4	323.0	17,100	17,100	17,100	140
265	80	150	66.5	324.7	21,500	21,500	21,500	68.6	322.6	18,600	18,600	18,600	70.6	318.5	16,300	16,300	16,300	150
265	80	160	64.7	319.9	20,200	20,200	20,200	66.8	317.8	17,600	17,600	17,600	68.7	313.6	15,500	15,500	15,500	160
265	80	170	62.8	314.7	19,000	19,000	19,000	64.9	312.6	16,600	16,600	16,700	66.8	308.3	14,800	14,800	14,800	170
265	80	180	60.9	309.1	18,000	18,000	18,000	63.0	306.9	15,800	15,800	15,800	64.9	302.6	14,100	14,100	14,100	180
265	80	190	59.0	303.0	17,000	17,000	17,000	61.1	300.8	15,000	15,000	15,000	62.9	296.4	13,500	13,500	13,500	190
265	80	200	57.0	296.5	16,100	16,100	16,100	59.1	294.2	14,300	14,300	14,300	60.9	289.7	12,900	12,900	12,900	200
265	80	210	55.0	289.5	15,300	15,300	15,300	57.1	287.2	13,700	13,700	13,700	58.9	282.5	12,400	12,400	12,400	210
265	80	220	53.0	281.9	14,500	14,500	14,500	55.0	279.5	13,100	12,500	13,100	56.8	274.8	11,900	11,900	11,900	220
265	80	230	50.8	273.7	13,800	13,800	13,400	52.9	271.3	12,500	12,500	12,500	54.6	266.4	11,400	11,400	11,400	230
265	80	240	48.7	264.9	13,200	13,100	10,600	50.7	262.4	12,000	11,200	11,200	52.3	257.3	11,000	11,000	11,000	240
265	80	250	46.4	255.4	12,500	11,700	9,300	48.4	252.8	11,500	11,500	9,900	50.0	247.5	10,600	10,600	10,600	250
265	80	260	44.0	245.1	12,000	10,400	8,200	46.0	242.3	11,000	11,000	8,700	47.5	236.8	10,300	10,300	10,300	260
265	80	270	41.5	233.8	11,300	9,300	7,100	43.5	230.9	10,800	9,800	7,600	44.9	225.1	9,900	9,900	9,900	270
265	80	280	38.9	221.5	9,900	8,200	6,100	40.8	218.4	10,200	8,600	6,600	42.2	212.3	9,600	9,000	8,000	280
265	80	290	36.2	207.9	8,600	7,200	5,200	38.0	204.7	9,100	7,600	5,600	39.3	198.0	9,300	7,900	6,900	290
265	80	300	33.2	192.8	7,400	6,300	4,400	35.0	189.3	7,800	6,600	4,700	36.2	182.1	8,100	6,900	5,900	300
265	80	310	29.9	175.8	6,200	5,400	3,600	31.6	171.9	6,600	5,700	3,800	32.7	163.9	6,800	5,900	4,000	310
265	80	320	26.3	156.1	5,100	4,800	2,800	27.9	151.7	5,400	4,800	3,000	28.7	142.5	5,600	5,000	3,200	320
265	80	330	22.1	132.6	3,900	3,900	2,100	23.6	127.3	4,200	4,000	2,300						330
265	80	340	16.9	102.5	2,800	2,800		18.0	95.3	3,000	3,000							340

348 HYLAB 5 - w/ 80" x 95" Heavy Duty & 68" x 80" Long Range Boom, w/ 39" x 48" Tubular Jib, w/ 221.1K+75K Cwt  
Refer to the Tubular Jib Notes for Long Range Boom in this Crane Rating Manual before operating the crane.

Boom Length (ft)	Jib Length (ft)	Jib Load Radius (ft)	Jib Angle to Boom										Jib Load Radius (ft)								
			5 Degrees					15 Degrees						25 Degrees							
			Boom Angle (deg)	Jib Point Height (ft)	Over End Blocked	Extended	Retracted	Boom Angle (deg)	Jib Point Height (ft)	Over End Blocked	Extended	Retracted		Boom Angle (deg)	Jib Point Height (ft)	Over End Blocked	Extended	Retracted			
265	100	64.62	82.0	371.4	24,800	24,800	24,800	24,800	24,800	24,800	81.4	365.2	22,500	22,500	22,500	81.4	357.0	16,900	16,900	16,900	64.62
265	100	65	81.9	371.4	24,800	24,800	24,800	24,800	24,800	24,800	80.6	364.1	22,200	22,200	22,200	81.4	357.0	16,900	16,800	16,800	65
265	100	70	81.2	370.5	24,600	24,600	24,600	24,600	24,600	24,600	77.3	358.7	19,900	19,900	19,900	79.8	354.1	16,800	16,800	16,800	70
265	100	75	80.4	369.6	24,300	24,300	24,300	24,300	24,300	24,300	75.7	355.5	18,700	18,700	18,700	78.1	350.9	15,800	15,800	15,800	75
265	100	80	79.6	368.6	24,100	24,100	24,100	24,100	24,100	24,100	74.0	352.0	17,500	17,500	17,500	76.4	347.3	14,900	14,900	14,900	80
265	100	85	78.8	367.5	23,900	23,900	23,900	23,900	23,900	23,900	72.4	348.2	16,400	16,400	16,400	74.7	343.5	14,100	14,100	14,100	85
265	100	90	78.0	366.3	23,600	23,600	23,600	23,600	23,600	23,600	70.7	344.1	15,500	15,500	15,500	73.0	339.3	13,400	13,400	13,400	90
265	100	100	76.4	363.8	23,100	23,100	23,100	23,100	23,100	23,100	69.0	336.6	14,600	14,600	14,600	71.3	334.7	12,700	12,700	12,700	100
265	100	110	74.7	361.0	22,600	22,600	22,600	22,600	22,600	22,600	67.2	329.4	13,100	13,100	13,100	69.5	329.8	12,000	12,000	12,000	110
265	100	120	73.1	357.8	22,200	22,200	22,200	22,200	22,200	22,200	65.4	323.8	12,400	12,400	12,400	67.7	324.4	11,400	11,500	11,500	120
265	100	130	71.5	354.4	20,800	20,800	20,800	20,800	20,800	20,800	63.6	317.7	11,200	11,200	11,200	65.9	318.7	10,900	10,900	10,900	130
265	100	140	69.8	350.6	19,500	19,500	19,500	19,500	19,500	19,500	61.8	311.2	10,100	10,100	10,100	64.0	312.5	10,400	10,400	10,400	140
265	100	150	68.1	346.5	18,200	18,200	18,200	18,200	18,200	18,200	59.9	304.1	9,600	9,600	9,600	62.1	305.8	9,900	9,900	9,900	150
265	100	160	66.4	342.0	17,100	17,100	17,100	17,100	17,100	17,100	58.0	296.6	9,200	9,200	9,200	60.2	298.7	9,500	9,500	9,500	160
265	100	170	64.7	337.2	16,000	16,000	16,000	16,000	16,000	16,000	56.1	288.5	8,800	8,800	8,800	58.2	291.0	9,100	9,100	9,100	170
265	100	180	62.9	332.0	15,100	15,100	15,100	15,100	15,100	15,100	54.1	279.8	8,400	8,400	8,400	56.1	282.8	8,700	8,700	8,700	180
265	100	190	61.2	326.4	14,200	14,200	14,200	14,200	14,200	14,200	52.0	270.4	8,000	8,000	8,000	54.0	273.9	8,400	8,400	8,400	190
265	100	200	59.3	320.3	13,400	13,400	13,400	13,400	13,400	13,400	50.0	263.3	7,700	7,700	7,700	51.8	264.3	8,000	8,000	8,000	200
265	100	210	57.5	313.8	12,700	12,700	12,700	12,700	12,700	12,700	48.8	256.3	7,400	7,400	7,400	49.5	253.9	7,700	7,700	7,700	210
265	100	220	55.6	306.9	12,000	12,000	12,000	12,000	12,000	12,000	47.6	249.4	7,100	7,100	7,100	47.1	242.6	7,400	7,400	7,400	220
265	100	230	53.6	299.4	11,400	11,400	11,400	11,400	11,400	11,400	45.3	241.0	6,800	6,800	6,800	44.6	230.4	7,200	7,200	7,200	230
265	100	240	51.6	291.4	10,800	10,800	10,800	10,800	10,800	10,800	42.9	224.4	6,500	6,500	6,500	42.0	216.9	6,900	6,900	6,900	240
265	100	250	49.6	282.8	10,200	10,200	10,200	10,200	10,200	10,200	40.3	210.1	6,200	6,200	6,200	39.1	202.0	6,700	6,700	6,700	250
265	100	260	47.5	273.5	9,700	9,700	9,700	9,700	9,700	9,700	37.5	194.1	6,000	6,000	6,000	36.0	185.3	6,400	6,400	6,400	260
265	100	270	45.3	263.5	9,300	9,300	9,300	9,300	9,300	9,300	34.6	176.0	5,800	5,800	5,800	32.6	166.2	6,200	6,200	6,200	270
265	100	280	43.0	252.7	8,800	8,800	8,800	8,800	8,800	8,800	31.4	155.0	5,600	5,600	5,600	28.7	143.7	6,000	6,000	6,000	280
265	100	290	40.6	241.0	8,400	8,400	8,400	8,400	8,400	8,400	27.7	129.7	5,400	5,400	5,400	27.7	129.7	5,800	5,800	5,800	290
265	100	300	38.1	228.2	7,700	7,700	7,700	7,700	7,700	7,700	23.4	112.9	5,200	5,200	5,200	23.4	112.9	5,600	5,600	5,600	300
265	100	310	35.4	214.1	6,600	6,600	6,600	6,600	6,600	6,600	21.0	101.0	5,000	5,000	5,000	21.0	101.0	5,400	5,400	5,400	310
265	100	320	32.5	198.4	5,500	5,500	5,500	5,500	5,500	5,500	17.6	88.0	4,800	4,800	4,800	17.6	88.0	5,200	5,200	5,200	320
265	100	330	29.3	180.8	4,500	4,500	4,500	4,500	4,500	4,500	15.0	77.0	4,600	4,600	4,600	15.0	77.0	5,000	5,000	5,000	330
265	100	340	25.8	160.4	3,500	3,500	3,500	3,500	3,500	3,500	12.9	67.0	4,400	4,400	4,400	12.9	67.0	4,800	4,800	4,800	340
265	100	350	21.7	136.2	2,500	2,500	2,500	2,500	2,500	2,500	10.7	58.0	4,200	4,200	4,200	10.7	58.0	4,600	4,600	4,600	350

348 HYLAB 5 - w/ 80" x 95" Heavy Duty & 68" x 80" Long Range Boom, w/ 39" x 48" Tubular Jib, w/ 221.1K+75K Cwt  
Refer to the Tubular Jib Notes for Long Range Boom in this Crane Rating Manual before operating the crane.

Boom Length (ft)	Jib Length (ft)	Jib Load Radius (ft)	Jib Angle to Boom										Jib Load Radius (ft)								
			5 Degrees					15 Degrees						25 Degrees							
			Boom Angle (deg)	Jib Point Height (ft)	Over End Blocked	Extended	Retracted	Boom Angle (deg)	Jib Point Height (ft)	Over End Blocked	Extended	Retracted		Boom Angle (deg)	Jib Point Height (ft)	Over End Blocked	Extended	Retracted			
265	120	69.12	82.0	390.9	21,500	21,500	21,500	21,500	21,500	21,500	81.8	384.2	19,200	19,200	19,200	81.6	373.9	14,100	14,100	14,100	69.12
265	120	70	81.9	390.8	21,400	21,400	21,300	21,300	21,300	21,300	80.0	379.1	18,300	18,300	18,300	80.0	370.9	14,100	14,100	14,100	70
265	120	75	81.1	389.9	21,300	21,300	21,300	21,300	21,300	21,300	80.0	376.2	17,100	17,100	17,100	80.0	370.9	13,300	13,300	13,300	75
265	120	80	80.4	388.9	21,100	21,100	21,100	21,100	21,100	21,100	78.4	372.9	15,900	15,900	15,900	78.4	367.6	12,500	12,500	12,500	80
265	120	85	79.6	387.9	20,900	20,900	20,900	20,900	20,900	20,900	76.8	369.3	14,900	14,900	14,900	76.8	363.9	11,800	11,800	11,800	85
265	120	90	78.9	386.8	20,700	20,700	20,700	20,700	20,700	20,700	75.2	365.4	13,900	13,900	13,900	75.2	360.0	11,800	11,800	11,800	90
265	120	100	77.3	384.4	20,300	20,300	20,300	20,300	20,300	20,300	72.5	357.9	13,100	13,100	13,100	72.5	357.9	11,100	11,100	11,100	100
265	120	110	75.8	381.8	19,900	19,900	19,900	19,900	19,900	19,900	70.9	356.6	12,300	12,300	12,300	70.9	355.7	10,500	10,500	10,500	110
265	120	120	74.3	378.8	19,400	19,400	19,400	19,400	19,400	19,400	69.2	351.7	11,600	11,600	11,600	69.2	351.0	9,900	9,900	9,900	120
265	120	130	72.7	375.5	18,000	18,000	18,000	18,000	18,000	18,000	67.6	346.4	10,900	10,900	10,900	67.6	347.0	9,400	9,400	9,400	130
265	120	140	71.2	372.0	16,800	16,800	16,800	16,800	16,800	16,800	65.9	346.4	10,300	10,300	10,300	65.9	340.7	8,900	8,900	8,900	140
265	120	150	69.6	368.1	15,600	15,600	15,600	15,600	15,600	15,600	64.2	340.7	9,700	9,700	9,700	64.2	334.9	8,400	8,400	8,400	150
265	120	160	68.0	363.9	14,600	14,600	14,600	14,600	14,600	14,600	62.5	334.6	9,200	9,200	9,200	62.5	328.7	8,000	8,000	8,000	160
265	120	170	66.4	359.4	13,700	13,700	13,700	13,700	13,700	13,700	60.7	328.1	8,700	8,700	8,700	60.7	322.1	7,600	7,600	7,600	170
265	120	180	64.7	354.5	12,800	12,800	12,800	12,800	12,800	12,800	58.9	321.2	8,200	8,200	8,200	58.9	315.0	7,200	7,200	7,200	180
265	120	190	63.0	349.3	12,000	12,000	12,000	12,000	12,000	12,000	57.0	313.7	7,800	7,800	7,800	57.0	307.4	6,900	6,900	6,900	190
265	120	200	61.3	343.6	11,300	11,300	11,300	11,300	11,300	11,300	55.1	305.8	7,400	7,400	7,400	55.1	299.2	6,600	6,600	6,600	200
265	120	210	59.6	337.6	10,600	10,600	10,600	10,600	10,600	10,600	53.2	297.2	7,000	7,000	7,000	53.2	292.5	6,300	6,300	6,300	210
265	120	220	57.9	331.2	10,000	10,000	10,000	10,000	10,000	10,000	51.2	288.1	6,600	6,600	6,600	51.2	285.9	6,000	6,000	6,000	220
265	120	230	56.1	324.3	9,400	9,400	9,400	9,400	9,400	9,400	49.1	278.3	6,300	6,300	6,300	49.1	271.1	5,700	5,700	5,700	230
265	120	240	54.2	316.9	8,900	8,900	8,900	8,900	8,900	8,900	46.9	267.7	6,000	6,000	6,000	46.9	260.2	5,500	5,500	5,500	240
265	120	250	52.4	309.0	8,400	8,400	8,400	8,400	8,400	8,400	44.7	256.3	5,800	5,800	5,800	44.7	248.4	5,300	5,300	5,300	250
265	120	260	50.4	300.6	7,900	7,900	7,900	7,900	7,900	7,900	42.3	243.8	5,500	5,500	5,500	42.3	235.5	5,000	5,000	5,000	260
265	120	270	48.4	291.6	7,500	7,500	7,500	7,500	7,500	7,500	40.1	239.3	5,200	5,200	5,200	40.1	228.1	4,800	4,800	4,800	270
265	120	280	46.4	281.9	7,100	7,100	7,100	7,100	7,100	7,100	37.1	215.4	4,800	4,800	4,800	37.1	205.9	4,700	4,700	4,700	280
265	120	290	44.3	271.4	6,700	6,700	6,700	6,700	6,700	6,700	34.2	198.8	4,400	4,400	4,400	34.2	188.4	4,500	4,500	4,500	290
265	120	300	42.0	260.2	6,400	6,400	6,400	6,400	6,400	6,400	31.1	180.0	4,000	4,000	4,000	31.1	168.4	3,700	3,700	3,700	300
265	120	310	39.7	247.9	6,000	6,000	6,000	6,000	6,000	6,000	27.5	158.3	3,400	3,400	3,400	27.5	144.9	3,500	3,500	3,500	310
265	120	320	37.2	234.6	5,700	5,700	5,700	5,700	5,700	5,700	25.3	144.9	2,900	2,900	2,900	25.3	127.0	3,400	3,400	3,400	320
265	120	330	34.6	220.0	5,400	5,400	5,400	5,400	5,400	5,400	22.7	127.0	2,500	2,500	2,500	22.7	110.0	3,300	3,300	3,300	330
265	120	340	31.8	203.8	5,000	5,000	5,000	5,000	5,000	5,000	20.0	100.0	2,100	2,100	2,100	20.0	90.0	3,200	3,200	3,200	340
265	120	350	28.7	185.6	4,600	4,600	4,600	4,600	4,600	4,600	17.5	80.0	1,700	1,700	1,700	17.5	70.0	3,100	3,100	3,100	350
265	120	360	25.3	164.6	4,200	4,200	4,200	4,200	4,200	4,200	15.0	60.0	1,300	1,300	1,300	15.0	50.0	3,000	3,000	3,000	360

348 HYLAB 5 - w/ 80" x 95" Heavy Duty & 68" x 80" Long Range Boom, w/ 39" x 48" Tubular Jib, w/ 221.1K+75K Cwt  
Refer to the Tubular Jib Notes for Long Range Boom in this Crane Rating Manual before operating the crane.

Boom Length (ft)	Jib Length (ft)	Jib Load Radius (ft)	Jib Angle to Boom										Jib Load Radius (ft)								
			5 Degrees					15 Degrees						25 Degrees							
			Boom Angle (deg)	Jib Point Height (ft)	Over End Blocked	Extended	Retracted	Boom Angle (deg)	Jib Point Height (ft)	Over End Blocked	Extended	Retracted		Boom Angle (deg)	Jib Point Height (ft)	Over End Blocked	Extended	Retracted			
265	140	73.62	82.0	410.4	18,400	18,400	18,400	18,400	18,400	18,400	81.5	402.1	15,800	15,800	15,800	81.8	390.9	11,200	11,200	11,200	73.62
265	140	75	81.8	410.2	18,400	18,400	18,200	18,200	18,200	18,400	80.3	397.9	14,700	14,700	14,700	81.8	390.9	11,200	11,200	11,200	75
265	140	80	81.1	409.3	18,200	18,200	18,200	18,200	18,200	18,200	80.3	387.8	13,700	13,700	13,700	80.3	387.8	10,500	10,500	10,500	80
265	140	85	80.4	408.3	18,000	18,000	18,000	18,000	18,000	18,000	77.1	393.6	12,800	12,800	12,800	77.1	393.6	9,900	9,900	9,900	85
265	140	90	79.7	407.3	17,900	17,900	17,900	17,900	17,900	17,900	75.6	390.2	11,900	11,900	11,900	75.6	384.3	9,300	9,300	9,300	90
265	140	100	78.2	405.0	17,600	17,600	17,600	17,600	17,600	17,600	74.1	388.6	11,100	11,100	11,100	72.2	380.6	8,300	8,300	8,300	100
265	140	110	76.8	402.5	17,200	17,200	17,200	17,200	17,200	17,200	72.6	382.6	10,400	10,400	10,400	72.2	376.5	7,700	7,700	7,700	110
265	140	120	75.3	399.7	16,900	16,900	16,900	16,900	16,900	16,900	71.1	378.3	9,700	9,700	9,700	70.9	372.2	7,200	7,200	7,200	120
265	140	130	73.8	396.6	15,700	15,700	15,700	15,700	15,700	15,700	69.5	373.6	9,100	9,100	9,100	69.5	367.5	6,600	6,600	6,600	130
265	140	140	72.4	393.2	14,600	14,600	14,600	14,600	14,600	14,600	67.9	368.7	8,600	8,600	8,600	67.9	362.4	6,100	6,100	6,100	140
265	140	150	70.9	389.6	13,500	13,500	13,500	13,500	13,500	13,500	66.3	363.4	8,000	8,000	8,000	66.3	357.0	5,600	5,600	5,600	150
265	140	160	69.4	385.6	12,600	12,600	12,600	12,600	12,600	12,600	64.7	357.7	7,500	7,500	7,500	64.7	351.2	5,100	5,100	5,100	160
265	140	170	67.8	381.3	11,700	11,700	11,700	11,700	11,700	11,700	63.1	351.6	7,100	7,100	7,100	63.1	345.0	4,600	4,600	4,600	170
265	140	180	66.3	376.7	10,900	10,900	10,900	10,900	10,900	10,900	61.5	345.1	6,700	6,700	6,700	61.5	338.4	4,100	4,100	4,100	180
265	140	190	64.7	371.8	10,200	10,200	10,200	10,200	10,200	10,200	59.9	337.9	6,300	6,300	6,300	59.9	331.4	3,600	3,600	3,600	190
265	140	200	63.1	366.5	9,600	9,600	9,600	9,600	9,600	9,600	58.2	332.0	6,000	6,000	6,000	58.2	323.8	3,100	3,100	3,100	200
265	140	210	61.5	360.9	8,900	8,900	8,900	8,900	8,900	8,900	56.6	323.0	5,500	5,500	5,500	56.6	315.8	2,600	2,600	2,600	210
265	140	220	59.9	354.9	8,400	8,400	8,400	8,400	8,400	8,400	55.0	314.6	5,200	5,200	5,200	55.0	307.2	2,100	2,100	2,100	220
265	140	230	58.2	348.5	7,800	7,800	7,800	7,800	7,800	7,800	53.4	305.7	4,900	4,900	4,900	53.4	298.1	1,600	1,600	1,600	230
265	140	240	56.5	341.7	7,300	7,300	7,300	7,300	7,300	7,300	51.8	296.1	4,600	4,600	4,600	51.8	288.2	1,100	1,100	1,100	240
265	140	250	54.8	334.4	6,900	6,900	6,900	6,900	6,900	6,900	50.4	285.9	4,400	4,400	4,400	50.4	277.7	1,000	1,000	1,000	250
265	140	260	53.0	326.6	6,400	6,400	6,400	6,400	6,400	6,400	48.4	274.8	4,100	4,100	4,100	48.4	266.3	900	900	900	260
265	140	270	51.2	318.3	6,000	6,000	6,000	6,000	6,000	6,000	46.3	262.9	3,900	3,900	3,900	46.3	254.0	800	800	800	270
265	140	280	49.3	309.5	5,700	5,700	5,700	5,700	5,700	5,700	44.1	250.0	3,700	3,700	3,700	44.1	240.6	700	700	700	280
265	140	290	47.4	300.1	5,300	5,300	5,300	5,300	5,300	5,300	41.8	236.0	3,400	3,400	3,400	41.8	225.9	600	600	600	290
265	140	300	45.4	289.9	5,000	5,000	5,000	5,000	5,000	5,000	39.3	225.5	3,300	3,300	3,300	39.3	209.7	500	500	500	300
265	140	320	43.3	279.1	4,700	4,700	4,700	4,700	4,700	4,700	36.7	203.3	2,900	2,900	2,900	36.7	191.5	400	400	400	320
265	140	340	41.1	267.4	4,400	4,400	4,400	4,400	4,400	4,400	33.9	183.9	2,600	2,600	2,600	33.9	170.7	300	300	300	340
265	140	360	38.9	254.7	4,100	4,100	4,100	4,100	4,100	4,100	32.5	170.7	2,400	2,400	2,400	32.5	158.5	200	200	200	360
265	140	380	36.5	240.9	3,900	3,900	3,900	3,900	3,900	3,900	30.8	158.9	2,200	2,200	2,200	30.8	146.3	100	100	100	380
265	140	360	33.9	225.8	3,200	3,200	3,200	3,200	3,200	3,200											360
265	140	370	31.2	209.1	2,300	2,300	2,300	2,300	2,300	2,300											370

348 HYLAB 5 - w/ 80" x 95" Heavy Duty & 68" x 80" Long Range Boom, w/ 39" x 48" Tubular Jib, w/ 221.1K+75K Cwt  
Refer to the Tubular Jib Notes for Long Range Boom in this Crane Rating Manual before operating the crane.

Boom Length (ft)	Jib Length (ft)	Jib Load Radius (ft)	Jib Angle to Boom										Jib Load Radius (ft)								
			5 Degrees					15 Degrees						25 Degrees							
			Boom Angle (deg)	Jib Point Height (ft)	Over End Blocked	Extended	Retracted	Boom Angle (deg)	Jib Point Height (ft)	Over End Blocked	Extended	Retracted		Boom Angle (deg)	Jib Point Height (ft)	Over End Blocked	Extended	Retracted			
275	40	52.52	82.0	322.9	33,400	33,400	33,400	33,400	33,400	33,400	81.8	320.6	32,500	32,500	32,500	81.1	316.5	30,400	30,400	30,400	55
275	40	55	81.5	322.5	33,300	33,300	33,300	33,300	33,300	33,300	80.9	319.7	32,100	32,100	32,100	80.2	315.4	29,900	29,900	29,900	60
275	40	60	80.6	321.7	32,900	32,900	32,900	32,900	32,900	32,900	80.0	318.6	31,600	31,600	31,600	79.3	312.9	28,600	28,600	28,600	65
275	40	65	79.7	320.7	32,600	32,600	32,600	32,600	32,600	32,600	79.1	317.6	31,200	31,200	31,200	78.3	311.6	28,000	28,000	28,000	70
275	40	70	78.8	319.7	32,200	32,200	32,200	32,200	32,200	32,200	78.2	316.4	30,800	30,800	30,800	77.4	310.6	27,700	27,700	27,700	75
275	40	75	77.9	318.6	31,900	31,900	31,900	31,900	31,900	31,900	77.2	315.1	30,400	30,400	30,400	75.5	308.6	27,000	27,000	27,000	80
275	40	80	77.0	317.5	31,500	31,500	31,500	31,500	31,500	31,500	76.3	313.8	30,000	30,000	30,000	74.4	306.6	26,200	26,200	26,200	85
275	40	85	76.0	316.2	31,200	31,200	31,200	31,200	31,200	31,200	74.4	310.8	29,200	29,200	29,200	73.6	305.2	25,500	25,500	25,500	90
275	40	90	75.1	314.9	30,800	30,800	30,800	30,800	30,800	30,800	72.5	307.5	28,400	28,400	28,400	71.6	301.5	25,200	25,200	25,200	95
275	40	100	73.2	311.9	30,100	30,100	30,100	30,100	30,100	30,100	70.6	303.8	27,000	27,000	27,000	69.7	297.4	24,900	24,900	24,900	100
275	40	110	71.3	308.6	29,400	29,400	29,400	29,400	29,400	29,400	68.6	299.7	26,400	26,400	26,400	67.7	292.8	24,200	24,200	24,200	110
275	40	120	69.4	304.9	28,700	28,700	28,700	28,700	28,700	28,700	66.6	295.2	25,700	25,700	25,700	65.6	287.9	23,700	23,700	23,700	120
275	40	130	67.5	300.8	28,100	28,100	28,100	28,100	28,100	28,100	64.6	289.2	25,100	25,100	25,100	63.6	282.4	23,100	23,100	23,100	130
275	40	140	65.5	296.3	27,400	27,400	27,400	27,400	27,400	27,400	62.6	284.9	24,500	24,500	24,500	61.5	276.5	22,500	22,500	22,500	140
275	40	150	63.5	291.4	26,800	26,800	26,800	26,800	26,800	26,800	59.3	270.1	23,900	23,900	23,900	57.1	263.1	21,900	21,900	21,900	150
275	40	160	61.4	286.1	26,100	26,100	26,100	26,100	26,100	26,100	56.2	265.7	23,400	23,400	23,400	54.8	255.6	21,400	21,400	21,400	160
275	40	170	59.4	280.2	25,600	25,600	25,600	25,600	25,600	25,600	53.9	258.2	22,800	22,800	22,800	52.4	247.3	20,900	20,900	20,900	170
275	40	180	57.2	273.9	25,000	25,000	25,000	25,000	25,000	25,000	51.6	250.1	22,300	22,300	22,300	50.0	238.4	20,400	20,400	20,400	180
275	40	190	55.0	267.0	24,400	24,400	24,400	24,400	24,400	24,400	49.2	241.3	21,700	21,700	21,700	47.5	228.6	19,900	19,900	19,900	190
275	40	200	52.8	259.6	22,500	22,500	22,500	22,500	22,500	22,500	46.6	233.1	21,100	21,100	21,100	44.8	217.9	18,900	18,900	18,900	200
275	40	210	50.5	251.5	20,300	16,800	15,800	14,000	14,000	14,000	44.0	221.1	15,300	12,300	9,800	42.0	206.1	15,500	12,500	10,000	210
275	40	220	48.1	242.7	18,400	15,100	12,300	10,900	10,900	10,900	41.3	209.5	13,800	10,900	8,500	39.0	193.1	13,900	11,100	8,700	220
275	40	230	45.6	233.1	16,600	13,500	10,900	9,400	9,400	9,400	38.3	196.6	12,400	9,600	7,400	35.8	178.4	11,200	8,600	6,400	230
275	40	240	43.0	222.6	15,000	12,000	9,800	8,300	8,300	8,300	35.2	182.3	11,100	8,400	6,300	32.2	161.7	9,700	7,400	5,400	240
275	40	250	40.2	211.1	13,500	10,600	8,300	7,100	7,100	7,100	27.8	147.1	8,200	6,300	4,300	28.3	142.3	8,200	6,400	4,400	250
275	40	260	37.3	198.4	12,100	9,400	7,300	5,100	5,100	5,100											260
275	40	270	34.2	184.2	10,900	8,300	6,100	4,200	4,200	4,200											270
275	40	280	30.8	168.1	9,400	7,200	5,100	3,700	3,700	3,700											280
275	40	290	27.0	149.5	6,800	6,200	4,200	3,000	3,000	3,000											290



348 HYLAB 5 - w/ 80" x 95" Heavy Duty & 68" x 80" Long Range Boom, w/ 39" x 48" Tubular Jib, w/ 221.1K+75K Cwt  
Refer to the Tubular Jib Notes for Long Range Boom in this Crane Rating Manual before operating the crane.

Boom Length (ft)	Jib Length (ft)	Jib Load Radius (ft)	5 Degrees						15 Degrees						25 Degrees						Jib Load Radius (ft)
			Boom Angle (deg)	Jib Point Height (ft)	Jib Capacity (lbs)			Boom Angle (deg)	Jib Point Height (ft)	Jib Capacity (lbs)			Boom Angle (deg)	Jib Point Height (ft)	Jib Capacity (lbs)						
					Over End Blocked	Extended	Retracted			Over End Blocked	Extended	Retracted			Over End Blocked	Extended	Retracted				
275	60	57.01	82.0	342.4	29,800	29,800	29,800	81.5	338.6	28,300	28,300	28,300	81.3	333.4	25,800	25,800	25,800	57.01			
275	60	65	80.6	341.9	29,700	29,700	29,700	80.6	337.5	27,900	27,900	27,900	79.6	332.2	25,400	25,400	25,400	60			
275	60	70	79.8	340.1	29,000	29,000	29,000	80.6	336.4	27,500	27,500	27,500	80.4	332.2	25,000	25,000	25,000	65			
275	60	75	78.9	339.1	28,700	28,700	28,700	79.7	335.2	27,100	27,100	27,100	79.6	330.9	24,200	24,200	24,200	70			
275	60	80	78.0	338.0	28,400	28,400	28,400	78.9	334.0	26,800	26,800	26,800	77.8	328.1	23,500	23,500	23,500	75			
275	60	85	77.2	336.8	28,100	28,100	28,100	78.0	332.8	26,400	26,400	26,400	76.0	324.9	22,800	22,800	22,800	80			
275	60	90	76.3	335.5	27,700	27,700	27,700	78.0	331.2	26,000	26,000	26,000	79.6	330.9	25,000	25,000	25,000	85			
275	60	100	74.5	332.7	27,100	27,100	27,100	74.4	328.1	25,300	25,300	25,300	77.8	328.1	24,200	24,200	24,200	100			
275	60	110	72.8	329.6	26,400	26,400	26,400	74.2	326.6	24,700	24,700	24,700	76.0	324.9	23,500	23,500	23,500	110			
275	60	120	71.0	326.2	25,800	25,800	25,800	72.6	324.6	24,000	24,000	24,000	74.2	321.4	22,800	22,800	22,800	120			
275	60	130	69.2	322.4	25,200	25,200	25,200	70.8	320.8	23,400	23,400	23,400	72.3	317.6	22,200	22,200	22,200	130			
275	60	140	67.3	318.2	24,600	24,600	24,600	69.0	316.6	22,800	22,800	22,800	70.5	313.3	21,100	21,100	21,100	140			
275	60	150	65.5	313.7	24,000	24,000	24,000	67.1	312.0	22,200	22,200	22,200	68.6	308.7	20,100	20,100	20,100	150			
275	60	160	63.6	308.7	23,400	23,400	23,400	65.2	307.0	21,400	21,400	21,400	66.6	303.7	19,200	19,200	19,200	160			
275	60	170	61.6	303.3	22,800	22,800	22,800	63.3	301.6	20,400	20,400	20,400	64.7	298.2	18,400	18,400	18,400	170			
275	60	180	59.7	297.5	22,100	22,100	22,100	61.3	295.8	19,400	19,400	19,400	62.7	292.3	17,600	17,600	17,600	180			
275	60	190	57.7	291.2	21,500	21,500	21,500	59.3	289.4	18,600	18,600	18,600	60.7	285.9	16,900	16,900	16,900	190			
275	60	200	55.6	284.4	20,900	20,900	20,900	57.2	282.6	17,700	17,700	17,700	58.6	278.9	16,200	16,200	16,200	200			
275	60	210	53.5	277.1	20,300	20,300	20,300	55.1	275.2	17,000	17,000	17,000	56.4	271.4	15,600	15,600	15,600	210			
275	60	220	51.4	269.1	19,700	19,700	19,700	52.9	267.2	16,300	16,300	16,300	54.2	263.3	15,000	15,000	15,000	220			
275	60	230	49.1	260.6	19,100	19,100	19,100	50.7	258.5	15,600	15,600	15,600	51.9	254.5	14,500	14,500	14,500	230			
275	60	240	46.8	251.3	18,500	18,500	18,500	48.3	249.2	15,000	15,000	15,000	49.6	245.0	14,000	14,000	14,000	240			
275	60	250	44.4	241.2	18,000	18,000	18,000	45.9	239.0	14,400	14,400	14,400	47.1	234.6	13,600	13,600	13,600	250			
275	60	260	41.9	230.2	17,500	17,500	17,500	43.4	227.9	13,800	13,800	13,800	44.5	223.3	13,200	13,200	13,200	260			
275	60	270	39.3	218.1	17,000	17,000	17,000	40.7	215.7	13,300	13,300	13,300	41.7	210.8	12,800	12,800	12,800	270			
275	60	280	36.4	204.8	16,500	16,500	16,500	37.8	202.2	12,800	12,800	12,800	38.8	197.0	12,400	12,400	12,400	280			
275	60	290	33.4	190.0	16,000	16,000	16,000	34.8	187.2	12,300	12,300	12,300	35.7	181.6	12,000	12,000	12,000	290			
275	60	300	30.1	173.3	15,500	15,500	15,500	31.4	170.2	11,800	11,800	11,800	32.2	164.0	11,600	11,600	11,600	300			
275	60	310	26.4	154.0	15,000	15,000	15,000	27.6	150.5	11,300	11,300	11,300	28.2	143.3	11,100	11,100	11,100	310			
275	60	320	22.2	130.9	14,500	14,500	14,500	23.3	126.7	10,800	10,800	10,800			10,600	10,600	10,600	320			



348 HYLAB 5 - w/ 80" x 95" Heavy Duty & 68" x 80" Long Range Boom, w/ 39" x 48" Tubular Jib, w/ 221.1K+75K Cwt  
Refer to the Tubular Jib Notes for Long Range Boom in this Crane Rating Manual before operating the crane.

Boom Length (ft)	Jib Length (ft)	Jib Load Radius (ft)	Boom Angle (deg)	Jib Point Height (ft)	5 Degrees			15 Degrees			25 Degrees			Jib Load Radius (ft)
					Jib Capacity (lbs)			Jib Capacity (lbs)			Jib Capacity (lbs)			
					Over End Blocked	Extended	Retracted	Over End Blocked	Extended	Retracted	Over End Blocked	Extended	Retracted	
275	80	61.51	82.0	361.9	26,400	26,400	26,400							61.51
275	80	65	81.4	361.3	26,200	26,200	26,200							65
275	80	70	80.6	360.4	26,000	26,000	26,000							70
275	80	75	79.8	359.4	25,700	25,700	25,700							75
275	80	80	79.0	358.4	25,400	25,400	25,400							80
275	80	85	78.2	357.3	25,100	25,100	25,100							85
275	80	90	77.4	356.1	24,800	24,800	24,800							90
275	80	100	75.7	353.5	24,200	24,200	24,200							100
275	80	110	74.0	350.6	23,700	23,700	23,700							110
275	80	120	72.4	347.3	23,100	23,100	23,100							120
275	80	130	70.7	343.8	22,500	22,500	22,500							130
275	80	140	68.9	339.9	22,000	22,000	22,000							140
275	80	150	67.2	335.6	21,400	21,400	21,400							150
275	80	160	65.4	331.0	20,100	20,100	20,100							160
275	80	170	63.6	326.0	19,000	19,000	19,000							170
275	80	180	61.8	320.6	17,900	17,900	17,900							180
275	80	190	60.0	314.8	17,000	17,000	17,000							190
275	80	200	58.1	308.5	16,100	16,100	16,100							200
275	80	210	56.2	301.8	15,300	15,300	15,300							210
275	80	220	54.2	294.5	14,500	14,500	14,500							220
275	80	230	52.2	286.7	13,800	13,800	13,800							230
275	80	240	50.1	278.3	13,200	12,800	12,800							240
275	80	250	47.9	269.3	12,600	11,500	11,500							250
275	80	260	45.7	259.5	12,000	10,200	10,200							260
275	80	270	43.4	249.0	11,400	9,100	9,100							270
275	80	280	40.9	237.5	10,000	8,000	8,000							280
275	80	290	38.3	224.9	8,800	7,000	7,000							290
275	80	300	35.6	211.1	7,800	6,100	6,100							300
275	80	310	32.7	195.7	6,500	5,200	5,200							310
275	80	320	29.5	178.3	5,400	4,400	4,400							320
275	80	330	25.9	158.4	4,300	3,700	3,700							330
275	80	340	21.8	134.5	3,300	2,900	2,900							340
275	80	350	16.6	103.8	2,200	2,300	2,300							350

348 HYLAB 5 - w/ 80" x 95" Heavy Duty & 68" x 80" Long Range Boom, w/ 39" x 48" Tubular Jib, w/ 221.1K+75K Cwt  
Refer to the Tubular Jib Notes for Long Range Boom in this Crane Rating Manual before operating the crane.

Boom Length (ft)	Jib Length (ft)	Jib Load Radius (ft)	Boom Angle (deg)	Jib Point Height (ft)	5 Degrees			Boom Angle (deg)	Jib Point Height (ft)	15 Degrees			Boom Angle (deg)	Jib Point Height (ft)	25 Degrees			Jib Load Radius (ft)
					Jib Capacity (lbs)					Jib Capacity (lbs)					Jib Capacity (lbs)			
					Over End Blocked	Curve 11	Curve 12			Over End Blocked	Curve 34	Curve 35			Over End Blocked	Curve 11	Curve 12	
275	100	66.01	82.0	381.3	23,200	23,200	23,200	81.6	375.4	21,200	21,200	21,200	81.7	367.2	16,900	16,900	16,900	66.01
275	100	75	80.6	379.8	22,800	22,800	22,800	80.8	374.3	20,900	20,900	20,900	81.7	367.2	16,900	16,700	16,700	70
275	100	80	79.1	378.8	22,500	22,500	22,500	80.8	371.8	20,300	20,300	20,300	80.1	364.4	16,700	16,700	16,700	75
275	100	85	79.1	377.7	22,300	22,300	22,300	80.8	369.1	19,700	19,700	19,700	80.1	364.4	16,700	15,700	15,700	80
275	100	90	78.3	376.6	22,000	22,000	22,000	80.8	362.6	17,400	17,400	17,400	78.5	361.3	15,700	14,800	14,800	85
275	100	100	76.7	374.2	21,500	21,500	21,500	79.3	371.8	20,300	20,300	20,300	76.8	357.9	14,800	14,800	14,800	90
275	100	110	75.2	371.4	21,000	21,000	21,000	77.7	369.1	19,700	19,700	19,700	80.1	364.4	16,700	16,700	16,700	100
275	100	120	73.6	368.4	20,600	20,600	20,600	76.1	366.0	18,600	18,600	18,600	78.5	361.3	15,700	15,700	15,700	110
275	100	130	72.0	365.0	20,100	20,100	20,100	74.5	362.6	17,400	17,400	17,400	76.8	357.9	14,800	14,800	14,800	120
275	100	140	70.4	361.3	19,400	19,400	19,400	72.9	358.9	16,400	16,400	16,400	75.2	354.2	14,000	14,000	14,000	130
275	100	150	68.7	357.3	18,200	18,200	18,200	71.2	354.9	15,400	15,400	15,400	73.5	350.1	13,300	13,300	13,300	140
275	100	160	67.1	353.0	17,100	17,100	17,100	69.6	350.6	14,600	14,600	14,600	71.8	345.7	12,600	12,600	12,600	150
275	100	170	65.4	348.3	16,000	16,000	16,000	67.9	345.8	13,800	13,800	13,800	70.1	340.9	12,000	12,000	12,000	160
275	100	180	63.7	343.3	15,100	15,100	15,100	66.2	340.8	13,000	13,000	13,000	68.4	335.7	11,400	11,400	11,400	170
275	100	190	62.0	337.9	14,200	14,200	14,200	64.4	335.3	12,400	12,400	12,400	66.6	330.2	10,900	10,900	10,900	180
275	100	200	60.2	332.1	13,400	13,400	13,400	62.7	329.4	11,700	11,700	11,700	64.8	324.2	10,400	10,400	10,400	190
275	100	210	58.5	325.8	12,700	12,700	12,700	60.9	323.1	11,100	11,100	11,100	63.0	317.8	9,900	9,900	9,900	200
275	100	220	56.6	319.1	12,000	12,000	12,000	59.0	316.4	10,600	10,600	10,600	61.1	311.0	9,500	9,500	9,500	210
275	100	230	54.8	312.0	11,400	11,400	11,400	57.1	309.2	10,100	10,100	10,100	59.2	303.6	9,000	9,000	9,000	220
275	100	240	52.9	304.3	10,800	10,800	10,800	55.2	301.4	9,600	9,600	9,600	57.2	295.7	8,700	8,700	8,700	230
275	100	250	50.9	296.1	10,300	10,300	10,300	53.2	293.1	9,200	9,200	9,200	55.2	287.1	8,300	8,300	8,300	240
275	100	260	48.9	287.2	9,800	9,800	9,800	51.2	284.2	8,800	8,800	8,800	53.1	282.8	8,000	8,000	8,000	250
275	100	270	46.8	277.7	9,300	9,300	9,300	49.1	274.6	8,400	8,400	8,400	51.0	268.3	7,700	7,700	7,700	260
275	100	280	44.6	267.5	8,800	8,800	8,800	46.9	263.3	8,000	8,000	8,800	48.7	257.7	7,400	7,400	7,300	270
275	100	290	42.4	256.5	8,400	8,300	8,300	44.6	253.1	7,700	7,700	8,800	46.4	246.2	7,100	7,100	7,300	280
275	100	300	40.0	244.5	7,800	7,300	7,300	42.2	240.9	7,400	6,900	6,900	43.9	233.7	6,900	6,900	6,300	290
275	100	310	37.5	231.5	6,700	6,400	6,400	39.7	227.6	7,100	6,600	6,600	41.3	219.9	6,600	6,300	6,300	300
275	100	320	34.9	217.1	5,600	5,500	5,500	37.0	213.0	6,100	5,100	5,100	38.5	204.8	6,400	5,400	5,400	310
275	100	330	32.0	201.2	4,700	4,700	4,700	34.1	196.8	5,100	4,300	4,300	35.4	187.7	5,400	4,500	4,500	320
275	100	340	28.9	183.2	3,700	3,200	3,200	30.9	178.3	4,100	3,500	3,500	32.1	168.3	4,300	3,700	3,700	330
275	100	350	25.4	162.6	2,800	2,500	2,500	27.3	157.0	3,100	2,800	2,800	28.2	145.4	3,300	2,900	2,900	340
275	100	350	25.4	162.6	2,800	2,500	2,500	27.3	157.0	3,100	2,800	2,800	28.2	145.4	3,300	2,900	2,900	350

348 HYLAB 5 - w/ 80" x 95" Heavy Duty & 68" x 80" Long Range Boom, w/ 39" x 48" Tubular Jib, w/ 221.1K+75K Cwt  
Refer to the Tubular Jib Notes for Long Range Boom in this Crane Rating Manual before operating the crane.

Boom Length (ft)	Jib Length (ft)	Jib Load Radius (ft)	Jib Angle to Boom										Jib Load Radius (ft)								
			5 Degrees					15 Degrees						25 Degrees							
			Boom Angle (deg)	Jib Point Height (ft)	Over End Blocked	Extended	Retracted	Boom Angle (deg)	Jib Point Height (ft)	Over End Blocked	Extended	Retracted		Boom Angle (deg)	Jib Point Height (ft)	Over End Blocked	Extended	Retracted			
275	120	70.51	82.0	400.8	20,200	20,200	20,200	20,200	20,200	20,200	80.6	392.1	17,700	17,700	17,700	81.8	384.2	14,100	14,100	14,100	70.51
275	120	81.3	400.1	20,000	20,000	20,000	20,000	20,000	20,000	20,000	79.1	389.5	17,000	17,000	17,000	80.3	381.3	13,200	13,200	13,200	75
275	120	80.6	399.1	19,800	19,800	19,800	19,800	19,800	19,800	19,800	77.6	386.6	15,800	15,800	15,900	80.3	378.1	12,400	12,400	12,400	80
275	120	85	398.1	19,600	19,600	19,600	19,600	19,600	19,600	19,600	76.0	383.4	14,800	14,800	14,800	78.8	378.1	11,700	11,700	11,700	85
275	120	85	397.1	19,400	19,400	19,400	19,400	19,400	19,400	19,400	74.5	379.9	13,900	13,900	13,900	77.2	374.5	11,000	11,000	11,000	90
275	120	100	77.7	394.7	19,000	19,000	19,000	19,000	19,000	19,000	73.0	376.1	13,000	13,000	13,000	75.6	370.7	11,000	11,000	11,000	100
275	120	110	76.2	392.1	18,600	18,600	18,600	18,600	18,600	18,600	71.4	372.0	12,300	12,300	12,300	74.0	366.5	10,400	10,400	10,400	110
275	120	120	74.7	389.3	18,200	18,200	18,200	18,200	18,200	18,200	69.8	367.6	11,500	11,500	11,500	72.4	362.0	9,900	9,900	9,900	120
275	120	130	73.2	386.1	17,800	17,800	17,800	17,800	17,800	17,800	68.2	362.8	10,900	10,900	10,900	70.8	357.2	9,300	9,300	9,300	130
275	120	140	71.6	382.6	16,700	16,700	16,700	16,700	16,700	16,700	66.6	357.7	10,300	10,300	10,300	69.1	352.0	8,800	8,800	8,800	140
275	120	150	70.1	378.9	15,600	15,600	15,600	15,600	15,600	15,600	64.9	352.2	9,700	9,700	9,700	67.5	346.4	8,400	8,400	8,400	150
275	120	160	68.6	374.8	14,600	14,600	14,600	14,600	14,600	14,600	63.3	346.4	8,200	8,200	8,200	65.8	340.4	8,000	8,000	8,000	160
275	120	170	67.0	370.4	13,700	13,700	13,700	13,700	13,700	13,700	61.5	340.1	7,700	7,700	7,700	64.0	334.0	7,600	7,600	7,600	170
275	120	180	65.4	365.7	12,800	12,800	12,800	12,800	12,800	12,800	59.8	333.4	7,200	7,200	7,200	62.2	327.2	7,200	7,200	7,200	180
275	120	190	63.8	360.6	12,000	12,000	12,000	12,000	12,000	12,000	58.0	328.2	7,800	7,800	7,800	60.4	319.9	6,900	6,900	6,900	190
275	120	200	62.1	355.1	11,300	11,300	11,300	11,300	11,300	11,300	56.2	318.6	7,400	7,400	7,400	58.6	312.1	6,500	6,500	6,500	200
275	120	210	60.5	349.3	10,700	10,700	10,700	10,700	10,700	10,700	54.3	310.4	7,000	7,000	7,000	56.7	303.7	6,200	6,200	6,200	210
275	120	220	58.8	343.1	10,000	10,000	10,000	10,000	10,000	10,000	52.4	301.7	6,700	6,700	6,700	54.7	294.8	5,900	5,900	5,900	220
275	120	230	57.1	336.5	9,500	9,500	9,500	9,500	9,500	9,500	50.4	292.3	6,300	6,300	6,300	52.7	285.2	5,700	5,700	5,700	230
275	120	240	55.3	329.4	8,900	8,900	8,900	8,900	8,900	8,900	48.4	282.3	6,000	6,000	6,000	50.5	274.9	5,400	5,400	5,400	240
275	120	250	53.5	321.8	8,400	8,400	8,400	8,400	8,400	8,400	46.2	271.5	5,700	5,700	5,700	48.4	263.8	5,200	5,200	5,200	250
275	120	260	51.6	313.7	8,000	8,000	8,000	8,000	8,000	8,000	44.0	259.8	5,500	5,500	5,500	46.1	251.8	5,000	5,000	5,000	260
275	120	270	49.7	305.1	7,500	7,500	7,500	7,500	7,500	7,500	41.7	247.2	5,200	5,200	5,200	43.6	238.7	4,800	4,800	4,800	270
275	120	280	47.8	295.9	7,100	7,100	7,100	7,100	7,100	7,100	39.2	233.4	5,000	5,000	5,000	41.1	224.4	4,600	4,600	4,600	280
275	120	290	45.8	285.9	6,800	6,800	6,800	6,800	6,800	6,800	36.6	218.2	4,400	4,400	4,400	38.3	208.5	4,400	4,400	4,400	290
275	120	300	43.6	275.3	6,400	6,400	6,400	6,400	6,400	6,400	33.7	201.3	4,500	4,500	4,500	35.3	190.7	4,200	4,200	4,200	300
275	120	310	41.5	263.8	6,100	6,100	6,100	6,100	6,100	6,100	30.6	182.3	2,600	2,600	2,400	32.0	170.4	2,900	2,900	2,700	310
275	120	320	39.2	251.4	5,700	5,700	5,700	5,700	5,700	5,700	28.2	168.2	2,100	2,100	2,100	29.7	157.7	2,500	2,500	2,500	320
275	120	330	36.7	237.8	4,800	4,800	4,800	4,800	4,800	4,800	26.0	153.3	1,600	1,600	1,600	27.0	143.3	2,300	2,300	2,300	330
275	120	340	34.2	223.0	3,900	3,900	3,900	3,900	3,900	3,900	23.7	138.3	1,100	1,100	1,100	24.7	128.3	2,100	2,100	2,100	340
275	120	350	31.4	206.5	3,000	3,000	3,000	3,000	3,000	3,000	21.3	123.3	600	600	600	22.0	113.3	1,600	1,600	1,600	350
275	120	360	28.4	188.0	2,200	2,200	2,200	2,200	2,200	2,200	18.3	108.3	100	100	100	19.3	98.3	1,100	1,100	1,100	360

348 HYLAB 5 - w/ 80" x 95" Heavy Duty & 68" x 80" Long Range Boom, w/ 39" x 48" Tubular Jib, w/ 221.1K+75K Cwt  
Refer to the Tubular Jib Notes for Long Range Boom in this Crane Rating Manual before operating the crane.

Boom Length (ft)	Jib Length (ft)	Jib Load Radius (ft)	Jib Angle to Boom										Jib Load Radius (ft)								
			5 Degrees					15 Degrees						25 Degrees							
			Boom Angle (deg)	Jib Point Height (ft)	Over End Blocked	Extended	Retracted	Boom Angle (deg)	Jib Point Height (ft)	Over End Blocked	Extended	Retracted		Boom Angle (deg)	Jib Point Height (ft)	Over End Blocked	Extended	Retracted			
275	140	75.01	82.0	420.3	17,400	17,400	17,400	17,400	17,400	17,400	81.7	412.4	15,200	15,300	15,200	80.5	398.2	10,500	10,500	10,500	75.01
275	140	80	81.3	419.4	17,300	17,300	17,300	17,300	17,300	17,300	80.3	409.9	14,700	14,600	14,700	79.0	394.8	9,800	9,800	9,800	80
275	140	85	80.6	418.5	17,100	17,100	17,100	17,100	17,100	17,100	78.9	407.1	13,600	13,600	13,600	79.0	391.2	9,200	9,200	9,200	85
275	140	90	79.9	417.5	16,900	16,900	16,900	16,900	16,900	16,900	78.9	404.1	12,700	12,700	12,700	77.5	397.2	8,500	8,500	8,500	90
275	140	100	78.5	415.3	16,600	16,600	16,600	16,600	16,600	16,600	78.9	407.1	11,900	11,900	11,900	77.5	397.2	8,000	8,000	8,000	100
275	140	110	77.1	412.8	16,200	16,200	16,200	16,200	16,200	16,200	80.3	409.9	11,100	11,100	11,100	77.5	397.2	7,500	7,500	7,500	110
275	140	120	75.7	410.1	15,900	15,900	15,900	15,900	15,900	15,900	78.9	407.1	10,400	10,400	10,400	76.0	387.2	6,800	6,800	6,800	120
275	140	130	74.2	407.1	15,500	15,500	15,500	15,500	15,500	15,500	77.5	404.1	9,700	9,700	9,700	74.5	393.3	6,300	6,300	6,300	130
275	140	140	72.8	403.8	14,500	14,500	14,500	14,500	14,500	14,500	76.0	400.8	9,100	9,100	9,100	73.0	378.4	5,700	5,700	5,700	140
275	140	150	71.3	400.2	13,500	13,500	13,500	13,500	13,500	13,500	74.5	397.2	8,500	8,500	8,500	71.4	373.5	5,200	5,200	5,200	150
275	140	160	69.9	396.4	12,600	12,600	12,600	12,600	12,600	12,600	73.1	393.3	7,800	7,800	7,800	69.8	368.3	4,700	4,700	4,700	160
275	140	170	68.4	392.2	11,700	11,700	11,700	11,700	11,700	11,700	71.6	389.1	7,100	7,100	7,100	70.0	384.7	4,100	4,100	4,100	170
275	140	180	66.9	387.8	10,900	10,900	10,900	10,900	10,900	10,900	68.5	379.8	6,400	6,400	6,400	67.0	374.7	3,500	3,500	3,500	180
275	140	190	65.4	383.0	10,200	10,200	10,200	10,200	10,200	10,200	67.0	374.7	5,800	5,800	5,800	65.4	363.3	2,900	2,900	2,900	190
275	140	200	63.8	377.9	9,600	9,600	9,600	9,600	9,600	9,600	65.4	369.2	5,200	5,200	5,200	63.8	357.0	2,300	2,300	2,300	200
275	140	210	62.3	372.4	8,900	8,900	8,900	8,900	8,900	8,900	63.8	363.3	4,600	4,600	4,600	62.2	350.4	1,700	1,700	1,700	210
275	140	220	60.7	366.6	8,400	8,400	8,400	8,400	8,400	8,400	62.2	357.0	4,000	4,000	4,000	60.7	343.3	1,100	1,100	1,100	220
275	140	230	59.1	360.4	7,800	7,800	7,800	7,800	7,800	7,800	60.5	350.4	3,400	3,400	3,400	59.1	335.7	500	500	500	230
275	140	240	57.4	353.8	7,400	7,400	7,400	7,400	7,400	7,400	58.8	343.3	2,800	2,800	2,800	57.1	327.7	400	400	400	240
275	140	250	55.8	346.8	6,900	6,900	6,900	6,900	6,900	6,900	56.3	335.7	2,200	2,200	2,200	55.8	319.1	300	300	300	250
275	140	260	54.1	339.3	6,500	6,500	6,500	6,500	6,500	6,500	54.2	327.7	1,600	1,600	1,600	54.2	311.6	200	200	200	260
275	140	280	52.3	331.4	6,100	6,100	6,100	6,100	6,100	6,100	51.6	310.0	1,000	1,000	1,000	51.6	302.2	100	100	100	280
275	140	280	50.5	322.9	5,700	5,700	5,700	5,700	5,700	5,700	49.7	302.2	400	400	400	49.7	289.7	0	0	0	280
275	140	290	48.7	313.9	5,300	5,300	5,300	5,300	5,300	5,300	47.7	289.7	0	0	0	47.7	281.4	0	0	0	290
275	140	300	46.8	304.2	5,000	5,000	5,000	5,000	5,000	5,000	45.6	278.5	0	0	0	45.6	269.8	0	0	0	300
275	140	310	44.8	293.9	4,700	4,700	4,700	4,700	4,700	4,700	43.5	266.4	0	0	0	43.5	257.2	0	0	0	310
275	140	320	42.7	282.8	4,400	4,400	4,400	4,400	4,400	4,400	41.2	253.3	0	0	0	41.2	243.6	0	0	0	320
275	140	330	40.6	270.9	4,100	4,100	4,100	4,100	4,100	4,100	38.8	239.0	0	0	0	38.8	228.7	0	0	0	330
275	140	340	38.4	258.0	3,900	3,900	3,900	3,900	3,900	3,900	36.2	223.3	0	0	0	36.2	212.2	0	0	0	340
275	140	350	36.0	244.0	3,100	3,100	3,100	3,100	3,100	3,100	35.2	205.8	0	0	0	35.2	193.7	0	0	0	350
275	140	360	33.5	228.7	2,300	2,300	2,300	2,300	2,300	2,300			0	0	0			0	0	0	360
275	140	370			2,200	2,200	2,200	2,200	2,200	2,200			0	0	0			0	0	0	370

348 HYLAB 5 - w/ 80" x 95" Heavy Duty & 68" x 80" Long Range Boom, w/ 39" x 48" Tubular Jib, w/ 221.1K+75K Cwt  
Refer to the Tubular Jib Notes for Long Range Boom in this Crane Rating Manual before operating the crane.

Boom Length (ft)	Jib Length (ft)	Jib Load Radius (ft)	Jib Angle to Boom										Jib Load Radius (ft)					
			5 Degrees			15 Degrees			25 Degrees			Jib Load Radius (ft)						
			Boom Angle (deg)	Jib Point Height (ft)	Over End Blocked	Boom Angle (deg)	Jib Point Height (ft)	Over End Blocked	Boom Angle (deg)	Jib Point Height (ft)	Over End Blocked							
285	40	53.91	82.0	332.8	31,000	31,000	31,000	81.2	329.8	29,800	29,800	29,800	81.4	326.7	28,200	28,200	28,200	53.91
285	40	55	81.8	332.6	30,900	30,900	30,900	80.3	328.9	29,300	29,300	29,300	80.5	325.6	27,800	27,800	27,800	55
285	40	60	80.9	331.8	30,600	30,600	30,600	79.4	327.8	28,900	28,900	28,900	79.6	324.5	27,300	27,300	27,300	60
285	40	65	80.0	330.9	30,200	30,200	30,200	78.5	326.7	28,500	28,500	28,500	78.7	323.3	26,900	26,900	26,900	65
285	40	70	79.1	329.9	29,900	29,900	29,900	77.6	325.4	28,100	28,100	28,100	77.8	321.9	26,500	26,500	26,500	70
285	40	75	78.3	328.9	29,600	29,600	29,600	76.7	324.1	27,700	27,700	27,700	75.9	319.1	25,600	25,600	25,600	75
285	40	80	77.4	327.7	29,200	29,200	29,200	74.9	321.3	27,000	27,000	27,000	74.1	315.8	24,900	24,900	24,900	80
285	40	85	76.5	326.5	28,900	28,900	28,900	73.1	318.0	26,200	26,200	26,200	72.2	312.2	24,200	24,200	24,200	85
285	40	90	75.6	325.2	28,500	28,500	28,500	71.2	314.5	25,500	25,500	25,500	70.3	308.2	23,500	23,500	23,500	90
285	40	100	73.7	322.4	27,800	27,800	27,800	69.3	310.5	24,900	24,900	24,900	68.4	303.9	22,900	22,900	22,900	100
285	40	110	71.9	319.2	27,100	27,100	27,100	67.4	306.2	24,200	24,200	24,200	66.5	299.1	22,300	22,300	22,300	110
285	40	120	70.1	315.6	26,500	26,500	26,500	65.5	301.4	23,600	23,600	23,600	64.5	293.9	21,700	21,700	21,700	120
285	40	130	68.2	311.7	25,800	25,800	25,800	63.5	296.3	23,000	23,000	23,000	62.4	288.2	21,100	21,100	21,100	130
285	40	140	66.3	307.3	25,200	25,200	25,200	61.5	290.6	22,500	22,500	22,500	60.4	282.1	20,600	20,600	20,600	140
285	40	150	64.4	302.6	24,600	24,600	24,600	59.4	284.6	21,900	21,900	21,900	58.3	275.4	20,100	20,100	20,100	150
285	40	160	62.4	297.5	24,000	24,000	24,000	57.3	278.0	21,300	21,300	21,300	56.1	268.2	19,500	19,500	19,500	160
285	40	170	60.4	291.9	23,400	23,400	23,400	55.2	270.8	20,700	20,700	20,700	53.8	260.4	18,900	18,900	18,900	170
285	40	180	58.4	285.8	22,900	22,900	22,900	53.0	263.1	20,100	20,100	20,100	51.5	251.9	18,300	18,300	18,300	180
285	40	190	56.3	279.2	22,400	22,400	22,400	50.7	254.7	19,600	19,600	19,600	49.1	242.7	17,800	17,800	17,800	190
285	40	200	54.1	272.1	21,900	21,900	21,900	48.3	245.6	19,000	19,000	19,000	46.6	232.6	17,000	17,000	17,000	200
285	40	210	51.9	264.4	20,200	20,200	20,200	46.6	224.9	18,300	18,300	18,300	44.0	221.7	16,300	16,300	16,300	210
285	40	220	49.7	256.1	18,200	18,200	18,200	43.3	213.0	17,200	17,200	17,200	41.3	209.6	15,300	15,300	15,300	220
285	40	230	47.3	247.1	16,400	16,400	16,400	39.6	199.9	15,900	15,900	15,900	38.3	196.3	14,400	14,400	14,400	230
285	40	240	44.9	237.2	14,800	14,800	14,800	37.7	185.2	14,900	14,900	14,900	35.2	181.3	13,400	13,400	13,400	240
285	40	250	42.3	226.5	13,300	13,300	13,300	34.6	173.0	13,200	13,200	13,200	31.2	168.6	12,400	12,400	12,400	250
285	40	260	39.6	214.7	11,900	11,900	11,900	31.2	168.6	12,200	12,200	12,200	27.8	144.4	11,000	11,000	11,000	260
285	40	270	36.7	201.7	10,700	10,700	10,700	27.8	144.4	10,900	10,900	10,900	27.8	144.4	9,800	9,800	9,800	270
285	40	280	33.7	187.2	9,500	9,500	9,500	27.8	144.4	9,700	9,700	9,700	27.8	144.4	8,700	8,700	8,700	280
285	40	290	30.3	170.8	7,100	7,100	7,100	27.8	144.4	6,200	6,200	6,200	27.8	144.4	2,700	2,700	2,700	290
285	40	300																300

348 HYLAB 5 - w/ 80" x 95" Heavy Duty & 68" x 80" Long Range Boom, w/ 39" x 48" Tubular Jib, w/ 221.1K+75K Cwt  
Refer to the Tubular Jib Notes for Long Range Boom in this Crane Rating Manual before operating the crane.

Boom Length (ft)	Jib Length (ft)	Jib Load Radius (ft)	5 Degrees						15 Degrees						25 Degrees						Jib Load Radius (ft)
			Boom Angle (deg)	Jib Point Height (ft)	Jib Capacity (lbs)			Boom Angle (deg)	Jib Point Height (ft)	Jib Capacity (lbs)			Boom Angle (deg)	Jib Point Height (ft)	Jib Capacity (lbs)						
					Over End Blocked	Extended	Retracted			Over End Blocked	Extended	Retracted			Over End Blocked	Extended	Retracted				
285	60	58.41	82.0	352.3	27,700	27,700	27,700	81.7	348.7	26,400	26,400	26,400	81.6	343.6	24,100	24,100	24,100	58.41			
285	60	60	80.9	351.2	27,300	27,300	27,300	80.9	347.7	26,000	26,000	26,000	80.7	342.4	23,700	23,700	23,700	60			
285	60	65	80.1	350.3	27,000	27,000	27,000	80.9	347.7	26,000	26,000	26,000	80.7	342.4	23,700	23,700	23,700	65			
285	60	70	79.2	349.3	26,700	26,700	26,700	80.0	346.7	25,600	25,600	25,600	80.7	341.2	23,300	23,300	23,300	70			
285	60	75	78.4	348.2	26,400	26,400	26,400	80.0	345.5	25,200	25,200	25,200	80.7	340.1	22,900	22,900	22,900	75			
285	60	80	77.5	347.1	26,000	26,000	26,000	79.2	345.5	25,200	25,200	25,200	80.7	338.5	22,500	22,500	22,500	80			
285	60	85	76.7	345.8	25,700	25,700	25,700	78.3	344.3	24,800	24,800	24,800	79.9	341.2	22,100	22,100	22,100	85			
285	60	90	75.0	343.2	25,100	25,100	25,100	76.6	341.6	24,100	24,100	24,100	78.1	338.5	21,700	21,700	21,700	90			
285	60	100	73.3	340.2	24,400	24,400	24,400	74.9	338.6	23,400	23,400	23,400	76.4	335.4	21,300	21,300	21,300	100			
285	60	110	71.5	336.8	23,800	23,800	23,800	73.2	335.2	22,800	22,800	22,800	74.6	332.0	21,100	21,100	21,100	110			
285	60	120	69.8	333.1	23,200	23,200	23,200	71.4	331.5	22,100	22,100	22,100	72.9	328.3	20,500	20,500	20,500	120			
285	60	130	68.0	329.1	22,600	22,600	22,600	69.6	327.5	21,500	21,500	21,500	71.1	324.2	19,900	19,900	19,900	130			
285	60	140	66.2	324.7	22,000	22,000	22,000	67.8	323.0	20,900	20,900	20,900	69.2	319.8	19,400	19,400	19,400	140			
285	60	150	64.4	319.9	21,500	21,500	21,500	66.0	318.2	20,400	20,400	20,400	67.4	314.9	18,900	18,900	18,900	150			
285	60	160	62.5	314.7	20,900	20,900	20,900	64.1	313.0	19,900	19,900	19,900	65.5	309.6	18,200	18,200	18,200	160			
285	60	170	60.7	309.1	20,400	20,400	20,400	62.2	307.4	19,300	19,300	19,300	63.6	303.9	17,500	17,500	17,500	170			
285	60	180	58.7	303.1	19,900	19,900	19,900	60.3	301.3	18,400	18,400	18,400	61.6	297.8	16,800	16,800	16,800	180			
285	60	190	56.8	296.6	19,400	19,400	19,400	58.3	294.7	17,600	17,600	17,600	59.6	291.1	16,100	16,100	16,100	190			
285	60	200	54.8	289.5	18,900	18,900	18,900	56.3	287.7	16,900	16,900	16,900	57.6	284.0	15,500	15,500	15,400	200			
285	60	210	52.7	282.0	18,400	18,400	18,400	54.2	280.0	16,200	16,200	16,200	55.5	276.2	14,900	14,900	14,900	210			
285	60	220	50.6	273.8	17,900	17,900	17,900	52.1	271.8	15,500	15,500	15,500	53.3	267.9	14,400	14,400	14,400	220			
285	60	230	48.4	265.0	17,300	17,300	17,300	49.9	262.9	14,900	14,900	14,900	51.1	258.9	13,900	13,200	12,100	230			
285	60	240	46.1	255.5	16,700	16,700	16,700	47.6	253.3	14,200	14,200	14,200	48.7	249.1	13,300	11,700	10,700	240			
285	60	250	43.7	245.1	16,100	16,100	16,100	45.2	242.9	13,600	13,600	13,600	46.3	238.5	12,800	11,100	9,300	250			
285	60	260	41.3	233.9	15,500	15,500	15,500	42.7	231.5	12,800	12,800	12,800	43.7	226.9	12,100	10,400	8,100	260			
285	60	270	38.7	221.6	14,900	14,900	14,900	40.0	219.1	11,500	11,500	11,500	41.0	214.2	11,800	9,200	7,000	270			
285	60	280	35.9	208.0	14,300	14,300	14,300	37.2	205.4	10,300	10,300	10,300	38.2	200.1	10,500	8,000	5,900	280			
285	60	290	32.9	192.9	13,700	13,700	13,700	34.2	190.1	9,200	9,200	9,200	35.1	184.3	9,400	6,900	4,900	290			
285	60	300	29.7	175.9	13,100	13,100	13,100	30.9	172.7	8,100	8,100	8,100	31.6	168.3	8,300	5,000	4,000	300			
285	60	310	26.0	156.3	12,500	12,500	12,500	27.2	152.7	7,100	7,100	7,100	27.8	145.3	7,200	5,000	3,100	310			
285	60	320		136.3	11,900	11,900	11,900			6,000	6,000	6,000			6,100	4,100	2,300	320			





348 HYLAB 5 - w/ 80" x 95" Heavy Duty & 68" x 80" Long Range Boom, w/ 39" x 48" Tubular Jib, w/ 221.1K+75K Cwt  
Refer to the Tubular Jib Notes for Long Range Boom in this Crane Rating Manual before operating the crane.

Boom Length (ft)	Jib Length (ft)	Jib Load Radius (ft)	Jib Angle to Boom										Jib Load Radius (ft)					
			5 Degrees			15 Degrees			25 Degrees			Boom Angle (deg)		Jib Point Height (ft)	Jib Capacity (lbs)			
			Over End Blocked	Extended	Retracted	Over End Blocked	Extended	Retracted	Over End Blocked	Extended	Retracted							
285	80	62.91	82.0	371.8	24,600	24,600	24,600	81.4	366.7	22,800	22,800	22,800	81.8	360.5	20,300	20,300	20,300	62.91
285	80	65	81.7	371.4	24,500	24,500	24,500	80.6	365.6	22,500	22,500	22,500	80.1	358.0	19,600	19,600	19,600	65
285	80	70	80.9	370.6	24,200	24,200	24,200	78.2	364.4	22,100	22,100	22,100	78.5	355.1	19,000	19,000	19,000	70
285	80	75	80.1	369.6	23,900	23,900	23,900	74.9	359.0	20,800	20,800	20,800	76.8	351.9	18,400	18,400	18,400	75
285	80	80	79.3	368.6	23,600	23,600	23,700	71.6	355.9	20,200	20,200	20,200	70.0	348.4	17,800	17,800	17,800	80
285	80	85	78.5	367.5	23,400	23,400	23,400	73.2	352.4	19,600	19,600	19,600	75.1	348.4	17,800	17,800	17,800	85
285	80	90	77.7	366.4	23,100	23,100	23,100	71.6	348.6	19,100	19,100	19,100	73.4	344.5	16,900	16,900	16,900	90
285	80	100	76.1	363.9	22,500	22,500	22,500	78.2	345.9	18,400	18,400	18,400	78.5	335.1	17,400	17,400	17,400	100
285	80	110	74.5	361.0	21,900	21,900	21,900	74.9	340.0	17,400	17,400	17,400	76.8	330.9	16,600	16,600	16,600	110
285	80	120	72.8	357.9	21,300	21,300	21,300	71.6	335.1	16,500	16,500	16,500	70.0	325.5	15,300	15,300	15,300	120
285	80	130	71.2	354.4	20,800	20,800	20,800	73.2	329.8	15,700	15,700	15,700	75.1	320.3	14,600	14,600	14,600	130
285	80	140	69.5	350.6	20,200	20,200	20,200	71.6	324.2	14,900	14,900	14,900	73.4	318.1	14,200	14,200	14,200	140
285	80	150	67.9	346.5	19,700	19,700	19,700	69.9	318.1	14,200	14,200	14,200	71.7	311.6	13,600	13,600	13,600	150
285	80	160	66.2	342.1	19,200	19,200	19,200	68.2	311.6	13,600	13,600	13,600	70.0	307.0	13,000	13,000	13,000	160
285	80	170	64.4	337.2	18,700	18,700	18,700	66.4	309.9	13,000	13,000	13,000	68.2	300.9	12,300	12,300	12,300	170
285	80	180	62.7	332.0	17,900	17,900	17,900	64.7	304.6	12,400	12,400	12,400	66.4	299.9	11,800	11,800	11,800	180
285	80	190	60.9	326.4	16,900	16,900	16,900	62.9	297.1	11,400	11,400	11,400	64.6	292.3	11,300	11,300	11,300	190
285	80	200	59.1	320.4	16,100	16,100	16,100	61.0	291.1	10,800	10,800	10,800	62.8	285.6	10,500	10,500	10,500	200
285	80	210	57.2	313.9	15,200	15,200	15,200	59.2	283.0	10,100	10,100	10,100	60.9	275.2	9,500	9,500	9,500	210
285	80	220	55.3	306.9	14,500	14,500	14,500	57.3	279.1	9,400	9,400	9,400	58.9	265.3	8,800	8,800	8,800	220
285	80	230	53.4	299.5	13,800	13,800	13,800	55.3	271.1	8,300	8,300	8,300	56.9	253.3	7,800	7,800	7,800	230
285	80	240	51.4	291.5	13,200	12,600	12,600	53.3	263.0	7,200	7,200	7,200	54.9	244.1	6,800	6,800	6,800	240
285	80	250	49.3	282.8	12,600	11,200	11,200	51.2	258.3	6,300	6,300	6,300	52.8	232.0	5,800	5,800	5,800	250
285	80	260	47.2	273.6	12,000	10,000	10,000	49.1	249.9	5,300	5,300	5,300	50.6	218.6	4,800	4,800	4,800	260
285	80	270	45.0	263.6	11,500	8,800	8,800	46.9	240.8	4,400	4,400	4,400	48.3	203.8	3,800	3,800	3,800	270
285	80	280	42.7	252.8	10,300	7,800	7,800	44.5	229.9	3,700	3,700	3,700	46.0	187.3	3,000	3,000	3,000	280
285	80	290	40.3	241.0	9,200	6,800	6,800	42.1	225.0	3,000	3,000	3,000	43.5	168.4	2,500	2,500	2,500	290
285	80	300	37.8	228.2	8,100	5,900	5,900	39.5	210.7	2,300	2,300	2,300	40.8	146.3	2,100	2,100	2,100	300
285	80	310	35.1	214.1	7,100	5,000	5,000	36.8	194.8	1,700	1,700	1,700	38.0	127.7	1,800	1,800	1,800	310
285	80	320	32.2	198.5	6,000	4,200	4,200	33.9	176.8	1,300	1,300	1,300	35.6	108.3	1,500	1,500	1,500	320
285	80	330	29.1	180.8	5,100	3,400	3,400	30.6	155.9	900	900	900	31.6	88.3	1,200	1,200	1,200	330
285	80	340	25.5	160.5	4,100	2,700	2,700	27.0	133.0	700	700	700	27.7	68.3	900	900	900	340



348 HYLAB 5 - w/ 80" x 95" Heavy Duty & 68" x 80" Long Range Boom, w/ 39" x 48" Tubular Jib, w/ 221.1K+75K Cwt  
Refer to the Tubular Jib Notes for Long Range Boom in this Crane Rating Manual before operating the crane.

Boom Length (ft)	Jib Length (ft)	Jib Load Radius (ft)	Jib Angle to Boom										Jib Load Radius (ft)									
			5 Degrees					15 Degrees						25 Degrees								
			Boom Angle (deg)	Jib Point Height (ft)	Over End Blocked	Curve 11	Curve 12	Retracted	Curve 25	Boom Angle (deg)	Jib Point Height (ft)	Over End Blocked		Curve 34	Curve 35	Curve 36	Curve 11	Curve 12	Curve 25			
285	100	67.4	82.0	391.2	21,700	21,700	21,700	21,700	21,700	21,700	81.8	385.6	19,900	19,900	19,900	19,900	81.9	377.5	16,900	16,900	16,900	67.4
285	100	70	81.6	390.8	21,600	21,600	21,600	21,600	21,600	21,600	79.6	382.1	19,000	19,000	19,000	19,000	80.3	374.8	16,400	16,400	16,400	70
285	100	75	80.9	389.9	21,300	21,300	21,300	21,300	21,300	21,300	78.0	379.5	18,400	18,400	18,400	18,400	78.8	371.8	15,600	15,600	15,600	75
285	100	80	80.1	389.0	21,100	21,100	21,100	21,100	21,100	21,100	76.5	376.5	17,900	17,900	17,900	17,900	77.2	368.5	14,800	14,800	14,800	80
285	100	85	79.4	388.0	20,800	20,800	20,800	20,800	20,800	20,800	74.9	373.2	17,300	17,300	17,300	17,300	75.6	364.8	14,000	14,000	14,000	85
285	100	90	78.6	386.9	20,600	20,600	20,600	20,600	20,600	20,600	73.3	369.6	16,300	16,300	16,300	16,300	74.0	360.9	13,200	13,200	13,200	90
285	100	100	77.1	384.5	20,100	20,100	20,100	20,100	20,100	20,100	71.7	365.7	15,400	15,400	15,400	15,400	72.3	356.6	12,500	12,500	12,500	100
285	100	110	75.6	381.8	19,600	19,600	19,600	19,600	19,600	19,600	70.1	361.5	14,500	14,500	14,500	14,500	70.7	352.0	11,900	11,900	11,900	110
285	100	120	74.0	378.8	19,100	19,100	19,100	19,100	19,100	19,100	68.5	356.9	13,700	13,700	13,700	13,700	69.0	347.0	11,300	11,300	11,300	120
285	100	130	72.5	375.6	18,600	18,600	18,600	18,600	18,600	18,600	66.8	352.0	13,000	13,000	13,000	13,000	67.3	341.6	10,800	10,800	10,800	130
285	100	140	70.9	372.0	18,100	18,100	18,100	18,100	18,100	18,100	65.2	346.7	12,300	12,300	12,300	12,300	65.6	335.8	9,800	9,800	9,800	140
285	100	150	69.3	368.1	17,600	17,600	17,600	17,600	17,600	17,600	63.5	341.1	11,700	11,700	11,700	11,700	62.0	323.1	9,400	9,400	9,400	150
285	100	160	67.7	363.9	17,000	17,000	17,000	17,000	17,000	17,000	61.7	335.0	11,100	11,100	11,100	11,100	60.2	308.4	8,600	8,600	8,600	160
285	100	170	66.1	359.4	16,000	16,000	16,000	16,000	16,000	16,000	59.9	328.5	10,600	10,600	10,600	10,600	58.3	306.2	8,200	8,300	8,300	170
285	100	180	64.5	354.5	15,100	15,100	15,100	15,100	15,100	15,100	58.1	321.5	10,100	10,100	10,100	10,100	56.4	291.6	7,900	7,900	7,900	180
285	100	190	62.8	349.3	14,200	14,200	14,200	14,200	14,200	14,200	56.3	314.1	9,600	9,600	9,600	9,600	54.4	287.3	7,600	7,600	7,600	190
285	100	200	61.1	343.7	13,400	13,400	13,400	13,400	13,400	13,400	54.4	306.2	9,200	9,200	9,200	9,200	52.3	272.3	7,300	7,300	7,300	200
285	100	210	59.4	337.6	12,700	12,700	12,700	12,700	12,700	12,700	52.4	297.6	8,700	8,700	8,700	8,700	50.2	268.1	7,100	7,100	7,100	210
285	100	220	57.6	331.2	12,000	12,000	12,000	12,000	12,000	12,000	50.4	288.5	8,400	8,400	8,400	8,400	48.0	249.7	6,800	6,800	6,800	220
285	100	230	55.8	324.3	11,400	11,400	11,400	11,400	11,400	11,400	48.4	278.7	8,000	8,000	8,000	8,000	45.7	236.9	6,600	6,600	6,600	230
285	100	240	54.0	316.9	10,800	10,800	10,800	10,800	10,800	10,800	46.2	268.1	7,600	7,600	7,600	7,600	43.2	222.9	6,400	6,400	6,400	240
285	100	250	52.1	309.1	10,300	10,300	10,300	10,300	10,300	10,300	43.9	256.7	7,400	7,400	7,400	7,400	40.6	207.5	6,200	6,200	6,200	250
285	100	260	50.2	300.6	9,800	9,800	9,800	9,800	9,800	9,800	41.6	244.3	7,100	7,100	7,100	7,100	37.9	192.2	6,000	6,000	6,000	260
285	100	270	48.2	291.6	9,300	9,300	9,300	9,300	9,300	9,300	39.1	230.8	6,800	6,800	6,800	6,800	34.9	179.4	5,800	5,800	5,800	270
285	100	280	46.1	281.9	8,800	8,800	8,800	8,800	8,800	8,800	36.4	215.9	6,500	6,500	6,500	6,500	31.5	147.1	5,700	5,700	5,700	280
285	100	290	44.0	271.5	8,400	8,400	8,400	8,400	8,400	8,400	33.5	203.9	6,300	6,300	6,300	6,300	27.7	147.1	5,600	5,600	5,600	290
285	100	300	41.8	260.2	8,000	8,000	8,000	8,000	8,000	8,000	30.4	189.7	6,000	6,000	6,000	6,000			5,500	5,500	5,500	300
285	100	310	39.4	248.0	7,000	7,000	7,000	7,000	7,000	7,000			5,500	5,500	5,500	5,500			5,400	5,400	5,400	310
285	100	320	37.0	234.7	6,000	6,000	6,000	6,000	6,000	6,000			5,000	5,000	5,000	5,000			4,900	4,900	4,900	320
285	100	330	34.4	220.1	5,100	5,100	5,100	5,100	5,100	5,100			4,500	4,500	4,500	4,500			4,400	4,400	4,400	330
285	100	340	31.6	203.9	4,200	4,200	4,200	4,200	4,200	4,200			4,000	4,000	4,000	4,000			3,900	3,900	3,900	340
285	100	350	28.5	185.7	3,300	3,300	3,300	3,300	3,300	3,300			3,600	3,600	3,600	3,600			3,500	3,500	3,500	350
285	100	360	25.1	164.7	2,500	2,500	2,500	2,500	2,500	2,500			2,700	2,700	2,600	2,600			2,800	2,800	2,800	360

348 HYLAB 5 - w/ 80" x 95" Heavy Duty & 68" x 80" Long Range Boom, w/ 39" x 48" Tubular Jib, w/ 221.1K+75K Cwt  
Refer to the Tubular Jib Notes for Long Range Boom in this Crane Rating Manual before operating the crane.

Boom Length (ft)	Jib Length (ft)	Jib Load Radius (ft)	Jib Angle to Boom										Jib Load Radius (ft)						
			5 Degrees			15 Degrees			25 Degrees			Jib Radius (ft)							
			Boom Angle (deg)	Jib Point Height (ft)	Jib Capacity (lbs)	Boom Angle (deg)	Jib Point Height (ft)	Jib Capacity (lbs)	Boom Angle (deg)	Jib Point Height (ft)	Jib Capacity (lbs)								
285	120	71.9	82.0	410.7	19,000	19,000	19,000	80.8	402.4	16,600	16,600	16,600	80.6	391.7	13,100	13,100	13,100	75	
285	120	75	81.6	410.2	18,900	18,900	18,900	79.4	399.8	16,200	16,200	16,200	79.1	397.0	12,400	12,400	12,400	80	
285	120	80	80.8	409.3	18,600	18,600	18,600	76.4	393.9	15,700	15,700	15,700	77.5	385.1	11,600	11,600	11,600	85	
285	120	85	80.1	408.3	18,400	18,400	18,400	74.9	390.5	14,800	14,800	14,800	76.0	381.3	11,000	11,000	11,000	90	
285	120	90	79.4	407.3	18,200	18,200	18,200	73.4	388.8	13,800	13,800	13,800	74.5	377.3	10,400	10,400	10,400	95	
285	120	100	78.0	405.0	17,800	17,800	17,800	71.9	382.8	12,200	12,200	12,200	72.9	372.9	9,800	9,800	9,800	100	
285	120	110	76.5	402.5	17,400	17,400	17,400	67.2	369.0	10,200	10,200	10,200	69.7	363.2	8,800	8,800	8,800	110	
285	120	120	75.1	399.7	16,900	16,900	16,900	65.6	363.6	9,700	9,700	9,700	68.1	357.8	8,300	8,300	8,300	120	
285	120	130	73.6	396.6	16,500	16,500	16,500	64.0	358.0	9,100	9,100	9,100	66.4	352.0	7,900	7,900	7,900	130	
285	120	140	72.1	393.2	16,100	16,100	16,100	62.3	351.9	8,600	8,600	8,600	64.8	345.8	7,500	7,500	7,500	140	
285	120	150	70.6	389.6	15,600	15,600	15,600	60.7	345.4	8,200	8,200	8,200	63.1	339.3	7,200	7,200	7,200	150	
285	120	160	69.1	385.6	14,600	14,600	14,600	58.9	338.5	7,800	7,800	7,800	61.3	332.2	6,800	6,800	6,800	160	
285	120	170	67.6	381.4	13,700	13,700	13,700	57.2	331.2	7,400	7,400	7,400	59.5	324.7	6,500	6,500	6,500	170	
285	120	180	66.0	376.8	12,800	12,800	12,800	55.4	323.3	7,000	7,000	7,000	57.7	316.7	6,200	6,200	6,200	180	
285	120	190	64.5	371.8	12,000	12,000	12,000	53.6	315.0	6,600	6,600	6,600	55.8	308.2	5,900	5,900	5,900	190	
285	120	200	62.9	366.6	11,300	11,300	11,300	51.7	306.0	6,300	6,300	6,300	53.9	299.0	5,600	5,600	5,600	200	
285	120	210	61.3	360.9	10,700	10,700	10,700	49.7	296.5	6,000	6,000	6,000	51.9	289.2	5,400	5,400	5,400	210	
285	120	220	59.6	354.9	10,000	10,000	10,000	47.7	286.2	5,700	5,700	5,700	49.8	278.7	5,200	5,200	5,200	220	
285	120	230	58.0	348.5	9,500	9,500	9,500	45.6	275.2	5,400	5,400	5,400	47.6	267.4	4,900	4,900	4,900	230	
285	120	240	56.3	341.7	8,900	8,900	8,900	43.4	263.3	5,200	5,200	5,200	45.4	255.1	4,700	4,700	4,700	240	
285	120	250	54.5	334.4	8,400	8,400	8,400	41.1	250.5	4,900	4,900	4,900	43.0	241.8	4,500	4,500	4,500	250	
285	120	260	52.8	326.6	8,000	8,000	8,000	38.6	236.4	4,600	4,600	4,600	40.4	227.2	4,400	4,400	4,400	260	
285	120	270	50.9	318.4	7,500	7,500	7,500	36.1	221.0	4,300	4,300	4,300	37.7	211.1	4,100	4,100	4,100	270	
285	120	280	49.1	309.5	7,100	7,100	7,100	33.2	203.9	2,900	2,900	2,900	34.8	193.0	3,200	3,200	3,200	280	
285	120	290	47.1	300.1	6,800	6,800	6,800	31.5	172.4	2,200	2,200	2,200	31.5	172.4	2,300	2,300	2,300	290	
285	120	300	45.1	290.0	6,400	6,400	6,400											300	
285	120	310	43.1	279.1	6,100	6,100	6,100												310
285	120	320	40.9	267.4	5,800	5,800	5,800												320
285	120	330	38.6	254.8	5,000	5,000	5,000												330
285	120	340	36.3	241.0	4,200	4,200	4,200												340
285	120	350	33.7	225.9	3,400	3,400	3,400												350
285	120	360	31.0	209.1	2,600	2,600	2,600												360
285	120	370																	370



348 HYLAB 5 - w/ 80" x 95" Heavy Duty & 68" x 80" Long Range Boom, w/ 39" x 48" Tubular Jib, w/ 221.1K+75K Cwt  
Refer to the Tubular Jib Notes for Long Range Boom in this Crane Rating Manual before operating the crane.

Boom Length (ft)	Jib Length (ft)	Jib Load Radius (ft)	Jib Angle to Boom										Jib Load Radius (ft)										
			5 Degrees					15 Degrees						25 Degrees									
			Boom Angle (deg)	Jib Point Height (ft)	Over End Blocked	Extended	Retracted	Boom Angle (deg)	Jib Point Height (ft)	Over End Blocked	Extended	Retracted		Boom Angle (deg)	Jib Point Height (ft)	Over End Blocked	Extended	Retracted					
285	140	76.4	82.0	430.2	16,500	16,500	16,500	16,500	16,500	16,500	81.9	422.6	14,500	14,500	14,500	14,500	14,500	80.7	408.6	10,400	10,400	10,400	76.4
285	140	80	81.5	429.6	16,300	16,300	16,300	16,300	16,300	16,300	80.6	420.2	14,100	14,100	14,100	14,100	14,100	79.9	405.3	9,700	9,700	9,700	80
285	140	85	80.8	428.7	16,100	16,100	16,100	16,100	16,100	16,100	80.6	417.5	13,600	13,600	13,600	13,600	13,600	79.3	405.3	9,100	9,100	9,100	85
285	140	90	80.1	427.7	16,000	16,000	16,000	16,000	16,000	16,000	80.6	414.5	12,800	12,800	12,800	12,800	12,800	79.3	405.3	9,100	9,100	9,100	90
285	140	100	78.8	425.5	15,600	15,600	15,600	15,600	15,600	15,600	80.6	411.3	11,800	11,800	11,800	11,800	11,800	77.9	401.8	9,100	9,100	9,100	100
285	140	110	77.4	423.1	15,200	15,200	15,200	15,200	15,200	15,200	80.6	407.8	11,000	11,000	11,000	11,000	11,000	77.9	401.8	9,100	9,100	9,100	110
285	140	120	76.0	420.5	14,900	14,900	14,900	14,900	14,900	14,900	80.7	417.5	10,300	10,300	10,300	10,300	10,300	76.4	397.9	8,600	8,600	8,600	120
285	140	130	74.6	417.5	14,500	14,500	14,500	14,500	14,500	14,500	80.7	414.5	9,700	9,700	9,700	9,700	9,700	76.4	397.9	8,100	8,100	8,100	130
285	140	140	73.2	414.3	14,200	14,200	14,200	14,200	14,200	14,200	80.7	411.3	9,100	9,100	9,100	9,100	9,100	75.3	405.3	7,600	7,600	7,600	140
285	140	150	71.8	410.9	13,500	13,500	13,500	13,500	13,500	13,500	80.7	407.8	8,500	8,500	8,500	8,500	8,500	73.4	394.6	7,100	7,100	7,100	150
285	140	160	70.4	407.1	12,600	12,600	12,600	12,600	12,600	12,600	80.7	404.0	7,800	7,800	7,800	7,800	7,800	71.9	385.9	6,700	6,700	6,700	160
285	140	170	68.9	403.1	11,700	11,700	11,700	11,700	11,700	11,700	80.7	400.0	7,000	7,000	7,000	7,000	7,000	70.4	379.5	6,000	6,000	6,000	170
285	140	180	67.5	398.8	10,900	10,900	10,900	10,900	10,900	10,900	80.7	395.6	6,200	6,200	6,200	6,200	6,200	70.4	379.5	5,300	5,300	5,300	180
285	140	190	66.0	394.1	10,200	10,200	10,200	10,200	10,200	10,200	80.7	390.9	5,500	5,500	5,500	5,500	5,500	70.4	379.5	4,700	4,700	4,700	190
285	140	200	64.5	389.2	9,600	9,600	9,600	9,600	9,600	9,600	80.7	386.8	4,800	4,800	4,800	4,800	4,800	70.4	379.5	4,100	4,100	4,100	200
285	140	210	63.0	383.9	8,900	8,900	8,900	8,900	8,900	8,900	80.7	382.4	4,100	4,100	4,100	4,100	4,100	70.4	379.5	3,500	3,500	3,500	210
285	140	220	61.5	378.2	8,400	8,400	8,400	8,400	8,400	8,400	80.7	374.9	3,400	3,400	3,400	3,400	3,400	70.4	374.1	3,000	3,000	3,000	220
285	140	230	59.9	372.2	7,900	7,900	7,900	7,900	7,900	7,900	80.7	368.8	2,700	2,700	2,700	2,700	2,700	70.4	368.3	2,500	2,500	2,500	230
285	140	240	58.3	365.8	7,400	7,400	7,400	7,400	7,400	7,400	80.7	362.4	2,000	2,000	2,000	2,000	2,000	70.4	362.1	1,800	1,800	1,800	240
285	140	250	56.7	359.1	6,900	6,900	6,900	6,900	6,900	6,900	80.7	355.6	1,300	1,300	1,300	1,300	1,300	70.4	355.5	1,100	1,100	1,100	250
285	140	260	55.0	351.9	6,500	6,500	6,500	6,500	6,500	6,500	80.6	348.3	600	600	600	600	600	70.4	348.6	500	500	500	260
285	140	270	53.4	344.2	6,100	6,100	6,100	6,100	6,100	6,100	80.6	341.1	500	500	500	500	500	70.4	341.1	400	400	400	270
285	140	280	51.6	336.1	5,700	5,700	5,700	5,700	5,700	5,700	80.6	332.3	400	400	400	400	400	70.4	332.8	300	300	300	280
285	140	280	49.9	327.4	5,300	5,300	5,300	5,300	5,300	5,300	80.6	323.6	300	300	300	300	300	70.4	315.8	200	200	200	285
285	140	290	48.0	318.2	5,000	5,000	5,000	5,000	5,000	5,000	80.6	314.2	200	200	200	200	200	70.4	306.2	100	100	100	285
285	140	300	46.2	308.3	4,700	4,700	4,700	4,700	4,700	4,700	80.6	304.2	100	100	100	100	100	70.4	296.0	50	50	50	285
285	140	320	44.2	297.8	4,400	4,400	4,400	4,400	4,400	4,400	80.6	293.6	50	50	50	50	50	70.4	285.0	20	20	20	285
285	140	330	42.2	286.5	4,100	4,100	4,100	4,100	4,100	4,100	80.6	282.1	20	20	20	20	20	70.4	273.2	10	10	10	285
285	140	340	40.1	274.4	3,900	3,900	3,900	3,900	3,900	3,900	80.6	269.8	10	10	10	10	10	70.4	260.4	5	5	5	285
285	140	350	37.9	261.3	3,500	3,500	3,500	3,500	3,500	3,500	80.6	256.4	5	5	5	5	5	70.4	246.6	2	2	2	285
285	140	360	35.6	247.1	2,500	2,500	2,500	2,500	2,500	2,500	80.6	241.9	2	2	2	2	2	70.4	231.4	1	1	1	285
285	140	370									80.6	214.6						70.4	214.6				370



348 HYLAB 5 - w/ 80" x 95" Heavy Duty & 68" x 80" Long Range Boom, w/ 39" x 48" Tubular Jib, w/ 221.1K+75K Cwt  
Refer to the Tubular Jib Notes for Long Range Boom in this Crane Rating Manual before operating the crane.

Boom Length (ft)	Jib Length (ft)	Jib Load Radius (ft)	Jib Angle to Boom										Jib Load Radius (ft)									
			5 Degrees					15 Degrees						25 Degrees								
			Boom Angle (deg)	Jib Point Height (ft)	Over End Blocked	Curve 11	Curve 12	Curve 25	Boom Angle (deg)	Jib Point Height (ft)	Over End Blocked	Curve 34		Curve 35	Curve 36	Boom Angle (deg)	Jib Point Height (ft)	Over End Blocked	Curve 11	Curve 12	Curve 25	
295	40	55.3	82.0	342.7	28,700	28,700	28,700	28,700	28,700	28,700	81.5	340.0	27,700	27,700	27,700	27,700	81.7	336.9	26,300	26,300	26,300	55.3
295	40	60	81.2	341.9	28,400	28,400	28,400	28,400	28,400	28,400	80.6	339.0	27,300	27,300	27,300	27,300	79.9	335.9	25,800	25,800	25,800	60
295	40	65	80.3	341.1	28,100	28,100	28,100	28,100	28,100	28,100	79.7	338.0	26,900	26,900	26,900	26,900	79.9	334.7	25,400	25,400	25,400	65
295	40	70	79.5	340.1	27,800	27,800	27,800	27,800	27,800	27,800	78.9	336.9	26,500	26,500	26,500	26,500	79.0	334.7	25,000	25,000	25,000	70
295	40	75	78.6	339.1	27,400	27,400	27,400	27,400	27,400	27,400	78.9	335.7	26,100	26,100	26,100	26,100	78.2	333.6	24,500	24,500	24,500	75
295	40	80	77.7	338.0	27,100	27,100	27,100	27,100	27,100	27,100	78.0	335.7	25,700	25,700	25,700	25,700	79.0	333.6	24,100	24,100	24,100	80
295	40	85	76.9	336.8	26,800	26,800	26,800	26,800	26,800	26,800	77.1	334.5	25,300	25,300	25,300	25,300	78.2	332.3	23,700	23,700	23,700	85
295	40	90	76.0	335.6	26,400	26,400	26,400	26,400	26,400	26,400	75.4	331.7	24,900	24,900	24,900	24,900	76.4	329.5	23,300	23,300	23,300	90
295	40	100	74.2	332.8	25,800	25,800	25,800	25,800	25,800	25,800	73.6	328.6	24,300	24,300	24,300	24,300	74.6	326.3	23,000	23,000	23,000	100
295	40	110	72.5	329.7	25,100	25,100	25,100	25,100	25,100	25,100	70.0	325.1	23,600	23,600	23,600	23,600	72.8	322.9	22,300	22,300	22,300	110
295	40	120	70.7	326.3	24,500	24,500	24,500	24,500	24,500	24,500	71.8	321.3	22,900	22,900	22,900	22,900	70.9	319.0	21,700	21,700	21,700	120
295	40	130	68.9	322.5	23,800	23,800	23,800	23,800	23,800	23,800	68.1	317.1	22,300	22,300	22,300	22,300	69.1	314.8	20,500	20,500	20,500	130
295	40	140	67.0	318.3	23,300	23,300	23,300	23,300	23,300	23,300	66.3	312.5	21,700	21,700	21,700	21,700	67.2	310.2	20,000	20,000	20,000	140
295	40	150	65.2	313.7	22,700	22,700	22,700	22,700	22,700	22,700	64.4	307.6	21,200	21,200	21,200	21,200	65.3	305.2	19,900	19,900	19,900	150
295	40	160	63.3	308.8	22,100	22,100	22,100	22,100	22,100	22,100	62.4	302.2	20,700	20,700	20,700	20,700	63.4	299.7	19,400	19,400	19,400	160
295	40	170	61.4	303.4	21,600	21,600	21,600	21,600	21,600	21,600	60.5	296.3	20,200	20,200	20,200	20,200	61.4	293.8	19,000	19,000	19,000	170
295	40	180	59.4	297.6	21,100	21,100	21,100	21,100	21,100	21,100	58.4	290.0	19,700	19,700	19,700	19,700	59.3	287.5	18,500	18,500	18,500	180
295	40	190	57.4	291.3	20,200	20,200	20,200	20,200	20,200	20,200	56.4	283.2	19,300	19,300	19,300	19,300	57.3	280.6	18,100	18,100	18,100	190
295	40	200	55.3	284.5	18,400	18,400	18,400	18,400	18,400	18,400	54.3	275.8	18,900	18,900	18,900	18,900	55.1	273.1	17,700	17,700	17,700	200
295	40	210	53.2	277.1	19,800	16,500	16,500	16,500	16,500	16,500	52.1	267.8	18,400	15,100	15,100	15,100	52.9	265.1	17,300	15,400	15,400	210
295	40	220	51.1	269.2	18,000	14,700	14,700	14,700	14,700	14,700	49.9	259.2	16,600	13,400	13,400	13,400	50.7	256.3	16,900	13,700	13,700	220
295	40	230	48.9	260.6	16,200	13,100	13,100	13,100	13,100	13,100	47.5	249.8	14,900	11,900	11,900	11,900	48.3	246.9	15,200	12,200	12,200	230
295	40	240	46.5	251.3	14,600	11,600	11,600	11,600	11,600	11,600	45.1	239.7	13,400	10,500	10,500	10,500	45.9	236.6	13,600	10,800	10,800	240
295	40	250	44.1	241.2	13,100	10,300	10,300	10,300	10,300	10,300	42.6	228.6	12,000	9,300	9,300	9,300	43.3	225.4	12,200	9,500	9,500	250
295	40	260	41.6	230.3	11,800	9,000	9,000	9,000	9,000	9,000	40.6	216.5	10,700	8,100	8,100	8,100	40.6	223.0	11,200	8,500	8,500	260
295	40	270	39.0	218.2	10,500	7,900	7,900	7,900	7,900	7,900	39.9	215.5	9,500	7,000	7,000	7,000	37.7	199.4	10,900	8,300	8,300	270
295	40	280	36.2	204.9	9,300	6,800	6,800	6,800	6,800	6,800	37.1	203.1	8,400	6,000	6,000	6,000	34.6	184.1	9,700	7,100	7,100	280
295	40	290	33.1	190.1	8,200	5,800	5,800	5,800	5,800	5,800	34.0	188.1	7,400	5,000	5,000	5,000	31.1	166.8	8,500	6,100	6,100	290
295	40	300	29.8	173.4	7,200	4,900	4,900	4,900	4,900	4,900	30.7	171.2	7,400	5,000	5,000	5,000	27.3	146.6	7,400	5,100	5,100	300
295	40	310									26.9	151.6	5,200	4,200	4,200	4,200			5,600	4,200	4,200	310

348 HYLAB 5 - w/ 80" x 95" Heavy Duty & 68" x 80" Long Range Boom, w/ 39" x 48" Tubular Jib, w/ 221.1K+75K Cwt  
Refer to the Tubular Jib Notes for Long Range Boom in this Crane Rating Manual before operating the crane.

Boom Length (ft)	Jib Length (ft)	Jib Load Radius (ft)	Jib Angle to Boom										Jib Load Radius (ft)					
			5 Degrees					15 Degrees						25 Degrees				
			Boom Angle (deg)	Jib Point Height (ft)	Jib Capacity (lbs)			Boom Angle (deg)	Jib Point Height (ft)	Jib Capacity (lbs)				Boom Angle (deg)	Jib Point Height (ft)	Jib Capacity (lbs)		
					360°					360°						360°		
Over End Blocked	Extended	Retracted			Over End Blocked	Extended	Retracted			Over End Blocked	Extended	Retracted						
295	60	59.8	82.0	362.2	25,800	25,800	25,800	81.1	357.9	24,200	24,200	24,200	81.8	353.8	22,500	22,500	22,500	59.8
295	60	60	82.0	362.1	25,800	25,400	25,800	81.0	352.7	23,400	23,800	23,800	81.0	352.7	22,100	22,100	22,100	60
295	60	65	81.2	361.3	25,400	25,400	25,400	81.0	352.0	23,100	23,400	23,400	81.0	351.5	21,700	21,700	21,700	65
295	60	70	80.3	360.4	25,100	25,100	25,100	80.2	348.8	22,400	22,400	22,400	80.2	348.8	20,900	20,900	20,900	70
295	60	75	79.5	359.5	24,800	24,800	24,800	78.5	345.9	21,700	21,700	21,700	78.5	345.9	20,200	20,200	20,200	75
295	60	80	78.7	358.4	24,500	24,500	24,500	77.9	342.2	21,000	21,000	21,000	76.8	342.6	19,600	19,600	19,600	80
295	60	85	77.9	357.3	24,200	24,200	24,200	77.0	339.0	20,400	20,400	20,400	75.1	339.0	19,000	19,000	19,000	85
295	60	90	77.1	356.1	23,900	23,900	23,900	77.0	335.0	19,300	19,300	19,300	73.4	335.0	18,400	18,400	18,400	90
295	60	100	75.4	353.5	23,200	23,200	23,200	75.3	330.7	18,700	18,700	18,700	71.6	330.7	17,900	17,900	17,900	100
295	60	110	73.8	350.6	22,600	22,600	22,600	73.7	329.4	18,200	18,200	18,200	69.9	329.4	17,300	17,300	17,300	110
295	60	120	72.1	347.4	22,000	22,000	22,000	72.1	324.3	17,700	17,700	17,700	68.1	324.3	16,900	16,900	16,900	120
295	60	130	70.4	343.8	21,400	21,400	21,400	71.9	318.1	17,300	17,300	17,300	66.3	320.9	16,400	16,400	16,400	130
295	60	140	68.7	339.9	20,800	20,800	20,800	70.2	313.1	17,000	17,000	17,000	64.4	315.5	16,000	16,000	16,000	140
295	60	150	66.9	335.7	20,300	20,300	20,300	68.5	306.8	16,800	16,800	16,800	62.5	309.5	15,500	15,500	15,500	150
295	60	160	65.2	331.1	19,800	19,800	19,800	66.7	300.0	16,400	16,400	16,400	60.6	303.2	15,200	15,200	15,200	160
295	60	170	63.4	326.1	19,200	19,200	19,200	64.9	292.7	16,000	16,000	16,000	58.7	296.3	14,700	14,700	14,700	170
295	60	180	61.6	320.7	18,600	18,600	18,600	63.1	284.8	15,700	15,700	15,700	56.6	288.9	14,200	14,200	14,200	180
295	60	190	59.7	314.8	18,000	18,000	18,000	61.2	276.4	15,400	15,400	15,400	54.6	280.9	13,700	13,700	13,700	190
295	60	200	57.8	308.6	17,800	17,800	17,800	59.3	267.3	15,000	15,000	15,000	52.4	272.4	13,200	13,200	13,200	200
295	60	210	55.9	301.8	17,400	16,900	15,800	57.4	257.4	14,800	14,800	14,700	50.2	263.1	12,800	11,500	9,200	210
295	60	220	53.9	294.6	17,000	16,500	15,400	55.4	246.8	14,600	14,600	14,500	48.9	253.1	12,600	11,300	9,000	220
295	60	230	51.9	286.8	16,600	16,100	15,000	53.3	235.2	14,400	14,400	14,300	46.8	242.2	12,400	11,100	8,800	230
295	60	240	49.8	278.4	16,000	15,500	14,800	51.2	225.5	14,200	14,200	14,100	44.5	230.4	12,200	10,900	8,600	240
295	60	250	47.6	269.4	15,600	15,100	14,600	49.1	214.1	14,000	14,000	13,900	42.0	217.4	12,000	10,700	8,400	250
295	60	260	45.4	259.6	15,200	14,700	14,200	46.8	203.1	13,800	13,800	13,700	40.4	203.1	11,800	10,500	8,200	260
295	60	270	43.1	249.0	14,800	14,300	13,800	44.5	192.9	13,600	13,600	13,500	38.7	187.0	11,600	10,300	8,000	270
295	60	280	40.6	237.5	14,400	13,900	13,400	42.0	182.5	13,400	13,400	13,300	36.7	175.2	11,400	10,100	7,800	280
295	60	290	38.1	225.0	14,000	13,500	13,000	39.4	172.9	13,200	13,200	13,100	34.5	168.7	11,200	9,900	7,600	290
295	60	300	35.4	211.1	13,600	13,100	12,600	36.7	162.5	13,000	13,000	12,900	32.4	157.2	11,000	9,700	7,400	300
295	60	310	32.4	195.8	13,200	12,700	12,200	33.7	154.8	12,800	12,800	12,700	30.4	147.3	10,800	9,500	7,200	310
295	60	320	29.2	178.4	12,800	12,300	11,800	26.8	147.3	12,600	12,600	12,500	27.3	147.3	10,600	9,300	7,000	320
295	60	330	25.6	158.5	12,400	11,900	11,400		147.3	12,400	12,400	12,300		147.3	10,400	9,100	6,800	330



348 HYLAB 5 - w/ 80" x 95" Heavy Duty & 68" x 80" Long Range Boom, w/ 39" x 48" Tubular Jib, w/ 221.1K+75K Cwt  
Refer to the Tubular Jib Notes for Long Range Boom in this Crane Rating Manual before operating the crane.

Boom Length (ft)	Jib Length (ft)	Jib Load Radius (ft)	Jib Angle to Boom										Jib Load Radius (ft)					
			5 Degrees			15 Degrees			25 Degrees									
			Boom Angle (deg)	Jib Point Height (ft)	Over End Blocked	360° Extended	Retracted	Boom Angle (deg)	Jib Point Height (ft)	Over End Blocked	360° Extended	Retracted		Boom Angle (deg)	Jib Point Height (ft)	Over End Blocked	360° Extended	Retracted
295	80	64.3	82.0	381.7	22,900	22,900	22,900	81.6	376.9	21,300	21,300	21,300	80.4	368.3	18,300	18,300	18,300	64.3
295	80	65	81.9	381.6	22,900	22,900	22,900	81.1	376.8	21,000	21,000	21,000	80.4	365.5	17,700	17,700	17,700	65
295	80	70	81.1	380.7	22,600	22,600	22,600	78.5	372.2	20,600	20,600	20,600	78.8	362.4	17,100	17,100	17,100	70
295	80	75	80.4	379.8	22,300	22,300	22,300	76.9	368.4	19,300	19,300	19,300	75.6	359.0	16,600	16,600	16,600	75
295	80	80	79.6	378.8	22,000	22,000	22,000	75.3	366.4	18,700	18,700	18,700	72.3	351.2	15,500	15,500	15,500	80
295	80	85	78.8	377.8	21,800	21,800	21,800	73.7	363.0	18,200	18,200	18,200	70.6	348.8	15,100	15,100	15,100	85
295	80	90	78.0	376.6	21,500	21,500	21,500	72.1	359.3	17,600	17,600	17,600	68.9	342.0	14,500	14,500	14,500	90
295	80	100	76.5	374.2	20,900	20,900	20,900	70.5	355.3	17,100	17,100	17,100	67.1	336.9	13,800	13,800	13,800	100
295	80	110	74.9	371.4	20,300	20,300	20,300	68.8	351.0	16,600	16,600	16,600	65.4	331.3	13,200	13,200	13,200	110
295	80	120	73.3	368.4	19,800	19,800	19,800	67.1	346.2	16,100	16,100	16,100	63.6	325.4	12,700	12,700	12,700	120
295	80	130	71.7	365.0	19,200	19,200	19,200	65.4	341.2	15,600	15,600	15,600	61.8	319.0	12,200	12,200	12,200	130
295	80	140	70.1	361.4	18,700	18,700	18,700	63.7	335.7	14,800	14,800	14,800	60.1	312.2	11,700	11,700	11,700	140
295	80	150	68.5	357.4	18,200	18,200	18,200	61.9	329.9	14,100	14,100	14,100	58.0	304.9	11,200	11,200	11,200	150
295	80	160	66.8	353.1	17,700	17,700	17,700	59.9	309.6	13,500	13,500	13,500	56.0	297.0	10,800	10,800	10,800	160
295	80	170	65.2	348.4	17,200	17,200	17,200	58.3	303.6	12,900	12,900	12,900	54.0	288.6	10,400	10,400	10,400	170
295	80	180	63.5	343.3	16,700	16,700	16,700	56.4	301.9	12,300	12,300	12,300	52.0	279.5	10,000	10,000	10,000	180
295	80	190	61.7	337.9	16,300	16,300	16,300	54.5	293.6	11,800	11,800	11,800	50.0	275.1	9,200	9,200	9,200	190
295	80	200	60.0	332.1	15,900	15,900	15,900	52.5	287.7	11,300	11,300	11,300	49.8	269.2	8,500	8,500	8,500	200
295	80	210	58.2	325.9	15,200	15,200	15,200	48.3	281.1	10,900	10,900	10,900	47.6	259.2	8,000	8,000	8,000	210
295	80	220	56.4	319.2	14,400	14,400	14,400	46.2	274.8	10,400	10,400	10,400	45.2	247.8	7,400	7,400	7,400	220
295	80	230	54.5	312.0	13,700	13,700	13,700	44.5	268.1	9,500	9,500	9,500	42.8	235.3	6,400	6,400	6,400	230
295	80	240	52.6	304.3	13,100	12,400	12,400	41.5	261.5	8,400	8,400	8,400	40.2	221.7	5,400	5,400	5,400	240
295	80	250	50.6	296.1	12,500	11,000	11,000	39.0	253.7	7,400	7,400	7,400	37.4	206.6	4,500	4,500	4,500	250
295	80	260	48.6	287.3	11,900	9,800	9,800	36.3	243.7	6,500	6,500	6,500	34.4	189.8	3,500	3,500	3,500	260
295	80	270	46.5	277.8	11,300	8,600	8,600	33.4	233.7	5,500	5,500	5,500	31.1	179.1	2,700	2,700	2,700	270
295	80	280	44.4	267.6	10,100	7,500	7,500	30.2	223.7	4,800	4,800	4,800	27.3	148.1	2,100	2,100	2,100	280
295	80	290	42.1	256.6	9,000	6,500	6,500	26.6	213.7	4,000	4,000	4,000						290
295	80	300	39.7	244.6	8,000	5,600	5,600		203.7	3,500	3,500	3,500						300
295	80	310	37.3	231.5	7,000	4,800	4,800		193.7	3,000	3,000	3,000						310
295	80	320	34.8	217.2	6,100	4,000	4,000		183.7	2,500	2,500	2,500						320
295	80	330	31.8	201.2	5,300	3,200	3,200		173.7	2,000	2,000	2,000						330
295	80	340	28.6	183.3	4,500	2,500	2,500		163.7	1,500	1,500	1,500						340
295	80	350	25.2	162.7	3,800	2,000	2,000		153.7	1,000	1,000	1,000						350
295	80	360	21.1	138.1	3,100	1,500	1,500		143.7	700	700	700						360



348 HYLAB 5 - w/ 80" x 95" Heavy Duty & 68" x 80" Long Range Boom, w/ 39" x 48" Tubular Jib, w/ 221.1K+75K Cwt  
Refer to the Tubular Jib Notes for Long Range Boom in this Crane Rating Manual before operating the crane.

Boom Length (ft)	Jib Length (ft)	Jib Load Radius (ft)	Boom Angle (deg)	Jib Point Height (ft)	5 Degrees			15 Degrees			25 Degrees			Jib Load Radius (ft)		
					Jib Capacity (lbs)			Jib Capacity (lbs)			Jib Capacity (lbs)					
					Over End Blocked	Extended	Retracted	Over End Blocked	Extended	Retracted	Over End Blocked	Extended	Retracted			
295	100	68.8	82.0	401.2	20,300	20,300	20,300	18,300	18,300	18,300	80.6	385.1	15,400	15,400	15,400	68.8
295	100	70	81.8	400.1	20,000	20,000	20,000	17,700	17,700	17,700	80.6	382.2	14,900	14,900	14,900	70
295	100	75	81.1	400.1	20,000	20,000	20,000	16,600	16,600	16,600	79.1	379.0	14,400	14,400	14,400	75
295	100	80	80.4	399.2	19,700	19,700	19,700	16,100	16,100	16,100	77.5	375.4	13,900	13,900	13,900	80
295	100	85	79.6	398.2	19,500	19,500	19,500	15,600	15,600	15,600	76.0	371.6	13,400	13,400	13,400	85
295	100	90	78.9	397.1	19,200	19,200	19,200	15,200	15,200	15,200	74.4	367.4	12,900	12,900	12,900	90
295	100	100	77.4	394.8	18,700	18,700	18,700	14,800	14,800	14,800	72.8	362.9	12,500	12,500	12,500	100
295	100	110	75.9	392.2	18,200	18,200	18,200	14,400	14,400	14,400	71.2	358.1	11,300	11,300	11,300	110
295	100	120	74.4	389.3	17,700	17,700	17,700	14,000	14,000	14,000	69.6	352.9	10,700	10,700	10,700	120
295	100	130	72.9	386.1	17,200	17,200	17,200	13,600	13,600	13,600	68.0	347.4	10,200	10,200	10,200	130
295	100	140	71.4	382.7	16,700	16,700	16,700	13,200	13,200	13,200	66.3	341.4	9,800	9,800	9,800	140
295	100	150	69.9	378.9	16,300	16,300	16,300	12,800	12,800	12,800	64.6	335.0	9,300	9,300	9,300	150
295	100	160	68.3	374.8	15,800	15,800	15,800	12,400	12,400	12,400	62.8	328.2	8,900	8,900	8,900	160
295	100	170	66.7	370.4	15,400	15,400	15,400	12,000	12,000	12,000	61.1	321.0	8,500	8,500	8,500	170
295	100	180	65.1	365.7	14,900	14,900	14,900	11,600	11,600	11,600	59.3	313.2	8,200	8,200	8,200	180
295	100	190	63.5	360.6	14,100	14,100	14,100	11,200	11,200	11,200	57.4	304.9	7,900	7,900	7,900	190
295	100	200	61.9	355.2	13,400	13,400	13,400	10,800	10,800	10,800	55.5	296.0	7,600	7,600	7,600	200
295	100	210	60.2	349.4	12,700	12,700	12,700	10,500	10,500	10,500	53.5	286.4	7,300	7,300	7,300	210
295	100	220	58.5	343.2	12,000	12,000	12,000	10,000	10,000	10,000	51.5	276.2	7,000	7,000	7,000	220
295	100	230	56.8	336.5	11,400	11,400	11,400	9,500	9,500	9,500	49.4	265.1	6,700	6,700	6,700	230
295	100	240	55.0	329.4	10,800	10,800	10,800	9,100	9,100	9,100	47.2	253.1	6,500	6,500	6,500	240
295	100	250	53.2	321.9	10,200	10,200	10,200	8,700	8,700	8,700	45.0	240.1	6,300	6,300	6,300	250
295	100	260	51.4	313.8	9,700	9,700	9,700	8,300	8,300	8,300	42.6	225.9	6,100	6,100	6,100	260
295	100	270	49.5	305.1	9,300	9,300	9,300	8,000	8,000	8,000	40.0	210.2	5,900	5,900	5,900	270
295	100	280	47.5	295.9	8,800	8,800	8,800	7,700	7,700	7,700	37.3	192.6	5,700	5,700	5,700	280
295	100	290	45.5	286.0	8,400	8,400	8,400	7,400	7,400	7,400	34.3	172.5	5,500	5,500	5,500	290
295	100	300	43.4	275.3	8,000	8,000	8,000	7,000	7,000	7,000	31.0	148.9	5,300	5,300	5,300	300
295	100	310	41.2	263.9	7,300	7,300	7,300	6,600	6,600	6,600			5,100	5,100	5,100	310
295	100	320	38.9	251.4	6,400	6,400	6,400	6,000	6,000	6,000			4,900	4,900	4,900	320
295	100	330	36.5	237.9	5,800	5,800	5,800	5,500	5,500	5,500			4,700	4,700	4,700	330
295	100	340	33.9	223.0	4,800	4,800	4,800	4,400	4,400	4,400			4,200	4,200	4,200	340
295	100	350	31.1	206.6	4,000	4,000	4,000	3,600	3,600	3,600			3,400	3,400	3,400	350
295	100	360	28.1	188.1	3,300	3,300	3,300	2,800	2,800	2,800			2,600	2,600	2,600	360
295	100	370	24.7	168.8	2,700	2,700	2,700									370



348 HYLAB 5 - w/ 80" x 95" Heavy Duty & 68" x 80" Long Range Boom, w/ 39" x 48" Tubular Jib, w/ 221.1K+75K Cwt  
Refer to the Tubular Jib Notes for Long Range Boom in this Crane Rating Manual before operating the crane.

Boom Length (ft)	Jib Length (ft)	Jib Load Radius (ft)	Jib Angle to Boom										Jib Load Radius (ft)								
			5 Degrees					15 Degrees						25 Degrees							
			Boom Angle (deg)	Jib Point Height (ft)	Over End Blocked	Extended	Retracted	Boom Angle (deg)	Jib Point Height (ft)	Over End Blocked	Extended	Retracted		Boom Angle (deg)	Jib Point Height (ft)	Over End Blocked	Extended	Retracted			
295	120	73.3	82.0	420.6	17,800	17,800	17,800	17,800	17,800	17,800	81.0	412.6	15,600	15,600	15,600	80.8	402.0	12,900	12,900	12,900	73.3
295	120	75	81.8	420.4	17,700	17,700	17,700	17,700	17,700	17,700	79.6	410.1	15,200	15,200	15,200	80.8	402.0	12,900	12,900	12,900	75
295	120	80	81.1	419.5	17,500	17,500	17,500	17,500	17,500	17,500	78.2	407.4	14,700	14,700	14,700	79.3	398.9	12,300	12,300	12,300	80
295	120	85	80.4	418.5	17,300	17,300	17,300	17,300	17,300	17,300	75.3	404.4	14,200	14,200	14,200	77.9	395.6	11,600	11,600	11,600	85
295	120	90	79.7	417.5	17,100	17,100	17,100	17,100	17,100	17,100	72.4	401.1	13,800	13,800	13,800	74.9	388.0	10,900	10,900	10,900	90
295	120	100	78.3	415.3	16,600	16,600	16,600	16,600	16,600	16,600	70.9	397.5	12,900	12,900	12,900	71.8	379.2	9,200	9,200	9,200	100
295	120	110	76.9	412.8	16,200	16,200	16,200	16,200	16,200	16,200	67.8	380.1	10,200	10,200	10,200	70.3	374.3	8,700	8,700	8,700	110
295	120	120	75.4	410.1	15,800	15,800	15,800	15,800	15,800	15,800	66.3	375.0	9,600	9,600	9,600	68.7	369.1	8,300	8,300	8,300	120
295	120	130	74.0	407.1	15,300	15,300	15,300	15,300	15,300	15,300	64.7	369.5	9,100	9,100	9,100	67.1	363.5	7,900	7,900	7,900	130
295	120	140	72.6	403.8	14,900	14,900	14,900	14,900	14,900	14,900	63.1	363.6	8,600	8,600	8,600	65.5	357.5	7,500	7,500	7,500	140
295	120	150	71.1	400.3	14,500	14,500	14,500	14,500	14,500	14,500	61.5	357.4	8,100	8,100	8,100	63.8	351.2	7,100	7,100	7,100	150
295	120	160	69.6	396.4	14,100	14,100	14,100	14,100	14,100	14,100	59.8	350.7	7,700	7,700	7,700	62.1	344.4	6,800	6,800	6,800	160
295	120	170	68.2	392.3	13,600	13,600	13,600	13,600	13,600	13,600	58.6	343.6	7,300	7,300	7,300	60.4	337.2	6,400	6,400	6,400	170
295	120	180	66.7	387.8	12,800	12,800	12,800	12,800	12,800	12,800	54.6	336.1	6,600	6,600	6,600	58.6	329.5	6,100	6,100	6,100	180
295	120	190	65.1	383.0	12,000	12,000	12,000	12,000	12,000	12,000	52.8	328.9	6,300	6,300	6,300	55.0	312.5	5,600	5,600	5,600	190
295	120	200	63.6	377.9	11,300	11,300	11,300	11,300	11,300	11,300	50.9	310.3	6,000	6,000	6,000	53.1	303.2	5,300	5,300	5,300	200
295	120	210	62.0	372.5	10,600	10,600	10,600	10,600	10,600	10,600	49.0	306.6	5,700	5,700	5,700	51.1	293.2	5,100	5,100	5,100	210
295	120	220	60.5	366.6	10,000	10,000	10,000	10,000	10,000	10,000	47.0	290.1	5,400	5,400	5,400	49.0	282.5	4,900	4,900	4,900	220
295	120	230	58.8	360.4	9,400	9,400	9,400	9,400	9,400	9,400	44.9	278.9	5,100	5,100	5,100	46.9	270.9	4,700	4,700	4,700	230
295	120	240	57.2	353.9	8,900	8,900	8,900	8,900	8,900	8,900	42.8	268.8	4,900	4,900	4,900	44.7	258.4	4,500	4,500	4,500	240
295	120	250	55.5	346.8	8,400	8,400	8,400	8,400	8,400	8,400	40.5	253.7	4,700	4,700	4,700	42.3	244.9	4,300	4,300	4,300	250
295	120	260	53.8	339.4	8,000	8,000	8,000	8,000	8,000	8,000	38.1	241.1	4,500	4,500	4,500	39.8	230.0	4,100	4,100	4,100	260
295	120	270	52.1	331.4	7,500	7,500	7,500	7,500	7,500	7,500	35.5	223.8	4,300	4,300	4,300	37.1	213.6	3,700	3,700	3,700	270
295	120	280	50.3	322.9	7,100	7,100	7,100	7,100	7,100	7,100	31.0	211.8	4,100	4,100	4,100	34.2	195.3	3,000	3,000	3,000	280
295	120	290	48.4	313.9	6,700	6,700	6,700	6,700	6,700	6,700	28.0	209.0	3,900	3,900	3,900	31.0	174.3	2,200	2,200	2,200	290
295	120	300	46.5	304.3	6,400	6,400	6,400	6,400	6,400	6,400	25.0	206.8	3,700	3,700	3,700	28.0	171.8	2,000	2,000	2,000	300
295	120	310	44.6	293.9	6,000	6,000	6,000	6,000	6,000	6,000	22.0	204.6	3,500	3,500	3,500	25.0	169.3	1,800	1,800	1,800	310
295	120	320	42.5	282.9	5,700	5,700	5,700	5,700	5,700	5,700	19.0	202.4	3,300	3,300	3,300	22.0	166.8	1,600	1,600	1,600	320
295	120	330	40.4	271.0	5,400	5,400	5,400	5,400	5,400	5,400	16.0	200.2	3,100	3,100	3,100	19.0	164.3	1,400	1,400	1,400	330
295	120	340	38.1	258.1	5,000	5,000	5,000	5,000	5,000	5,000	13.0	198.0	2,900	2,900	2,900	16.0	161.8	1,200	1,200	1,200	340
295	120	350	35.8	244.1	4,600	4,600	4,600	4,600	4,600	4,600	10.0	195.8	2,700	2,700	2,700	13.0	159.3	1,000	1,000	1,000	350
295	120	360	33.3	228.7	4,300	4,300	4,300	4,300	4,300	4,300	7.0	193.6	2,500	2,500	2,500	10.0	156.8	900	900	900	360
295	120	370	30.6	211.8	4,000	4,000	4,000	4,000	4,000	4,000	4.0	191.4	2,300	2,300	2,300	7.0	154.3	800	800	800	370
295	120	380			2,600	2,600	2,600	2,600	2,600	2,600			2,100	2,100	2,100			700	700	700	380



348 HYLAB 5 - w/ 80" x 95" Heavy Duty & 68" x 80" Long Range Boom, w/ 39" x 48" Tubular Jib, w/ 221.1K+75K Cwt  
Refer to the Tubular Jib Notes for Long Range Boom in this Crane Rating Manual before operating the crane.

Boom Length (ft)	Jib Length (ft)	Jib Load Radius (ft)	Jib Angle to Boom										Jib Load Radius (ft)								
			5 Degrees					15 Degrees						25 Degrees							
			Boom Angle (deg)	Jib Point Height (ft)	Over End Blocked	Extended	Retracted	Boom Angle (deg)	Jib Point Height (ft)	Over End Blocked	Extended	Retracted		Boom Angle (deg)	Jib Point Height (ft)	Over End Blocked	Extended	Retracted			
295	140	77.79	82.0	440.1	15,500	15,500	15,500	15,500	15,500	15,500	80.8	430.4	13,300	13,300	13,300	81.0	418.9	10,300	10,300	10,300	77.79
295	140	80	81.7	439.7	15,400	15,400	15,400	15,400	15,400	15,400	79.4	427.8	12,900	12,900	12,900	81.0	418.9	10,300	10,300	10,300	80
295	140	85	81.0	438.8	15,200	15,200	15,200	15,200	15,200	15,200	78.1	425.0	12,500	12,500	12,500	79.6	415.7	9,700	9,700	9,700	85
295	140	90	80.4	437.9	15,100	15,100	15,100	15,100	15,100	15,100	76.7	421.8	11,700	11,700	11,700	79.6	412.3	9,100	9,100	9,100	90
295	140	100	79.0	435.8	14,700	14,700	14,700	14,700	14,700	14,700	75.3	418.4	11,000	11,000	11,000	78.2	412.3	9,100	9,100	9,100	100
295	140	110	77.7	433.4	14,300	14,300	14,300	14,300	14,300	14,300	73.9	414.7	10,300	10,300	10,300	76.7	408.6	8,500	8,500	8,500	110
295	140	120	76.3	430.8	13,900	13,900	13,900	13,900	13,900	13,900	72.5	410.8	9,600	9,600	9,600	75.3	404.5	8,000	8,000	8,000	120
295	140	130	75.0	428.0	13,600	13,600	13,600	13,600	13,600	13,600	71.0	406.5	9,000	9,000	9,000	73.8	400.2	7,500	7,500	7,500	130
295	140	140	73.6	424.9	13,200	13,200	13,200	13,200	13,200	13,200	69.6	402.1	8,500	8,500	8,500	72.4	395.6	7,000	7,000	7,000	140
295	140	150	72.2	421.5	12,800	12,800	12,800	12,800	12,800	12,800	68.1	397.1	7,900	7,900	7,900	70.9	390.7	6,700	6,700	6,700	150
295	140	160	70.8	417.8	12,500	12,500	12,500	12,500	12,500	12,500	66.6	391.9	7,500	7,500	7,500	69.4	385.4	6,300	6,300	6,300	160
295	140	170	69.4	413.9	11,700	11,700	11,700	11,700	11,700	11,700	65.1	386.4	7,000	7,000	7,000	67.8	379.8	5,900	5,900	5,900	170
295	140	180	68.0	409.7	10,900	10,900	10,900	10,900	10,900	10,900	62.1	374.3	6,200	6,200	6,200	64.7	367.4	5,300	5,300	5,300	180
295	140	190	66.6	405.2	10,200	10,200	10,200	10,200	10,200	10,200	60.7	383.9	5,800	5,800	5,800	62.1	374.3	5,300	5,300	5,300	190
295	140	200	65.1	400.4	9,500	9,500	9,500	9,500	9,500	9,500	58.9	360.7	5,500	5,500	5,500	61.5	353.5	5,000	5,000	5,000	200
295	140	210	63.7	395.2	8,900	8,900	8,900	8,900	8,900	8,900	57.2	353.2	5,200	5,200	5,200	60.7	373.8	5,000	5,000	5,000	210
295	140	220	62.2	389.7	8,400	8,400	8,400	8,400	8,400	8,400	55.5	345.3	4,900	4,900	4,900	59.8	337.8	4,400	4,400	4,400	220
295	140	230	60.7	383.9	7,800	7,800	7,800	7,800	7,800	7,800	53.8	336.9	4,600	4,600	4,600	58.1	329.2	3,900	3,900	3,900	230
295	140	240	59.1	377.7	7,400	7,400	7,400	7,400	7,400	7,400	52.1	327.9	4,300	4,300	4,300	56.3	320.0	3,700	3,700	3,700	240
295	140	250	57.6	371.2	6,900	6,900	6,900	6,900	6,900	6,900	50.2	318.4	4,000	4,000	4,000	54.5	310.2	3,500	3,500	3,500	250
295	140	260	56.0	364.2	6,500	6,500	6,500	6,500	6,500	6,500	48.4	297.3	3,800	3,800	3,800	52.6	299.8	3,300	3,300	3,300	260
295	140	270	54.3	356.8	6,100	6,100	6,100	6,100	6,100	6,100	46.4	285.7	3,400	3,400	3,400	50.7	288.6	3,100	3,100	3,100	270
295	140	280	52.7	349.0	5,700	5,700	5,700	5,700	5,700	5,700	44.4	273.2	3,200	3,200	3,200	48.7	276.6	2,800	2,800	2,800	280
295	140	290	51.0	340.7	5,300	5,300	5,300	5,300	5,300	5,300	42.3	259.5	3,000	3,000	3,000	46.6	263.6	2,600	2,600	2,600	290
295	140	300	49.2	331.8	5,000	5,000	5,000	5,000	5,000	5,000	40.4	249.5	2,700	2,700	2,700	44.4	249.5	2,400	2,400	2,400	300
295	140	310	47.4	322.4	4,700	4,700	4,700	4,700	4,700	4,700	39.7	234.1	2,500	2,500	2,500	42.1	234.1	2,200	2,200	2,200	310
295	140	320	45.6	312.4	4,400	4,400	4,400	4,400	4,400	4,400	39.7	228.7	2,300	2,300	2,300	40.4	228.7	2,000	2,000	2,000	320
295	140	330	43.7	301.7	4,100	4,100	4,100	4,100	4,100	4,100	39.7	223.2	2,100	2,100	2,100	39.7	223.2	1,800	1,800	1,800	330
295	140	340	41.7	290.2	3,900	3,900	3,900	3,900	3,900	3,900	39.7	217.8	1,900	1,900	1,900	39.7	217.8	1,700	1,700	1,700	340
295	140	350	39.6	277.9	3,600	3,600	3,600	3,600	3,600	3,600	39.7	212.4	1,700	1,700	1,700	39.7	212.4	1,500	1,500	1,500	350
295	140	360	37.4	264.6	3,300	3,300	3,300	3,300	3,300	3,300	39.7	207.0	1,500	1,500	1,500	39.7	207.0	1,300	1,300	1,300	360
295	140	370	35.1	250.1	2,400	2,400	2,400	2,400	2,400	2,400	39.7	201.6	1,300	1,300	1,300	39.7	201.6	1,100	1,100	1,100	370