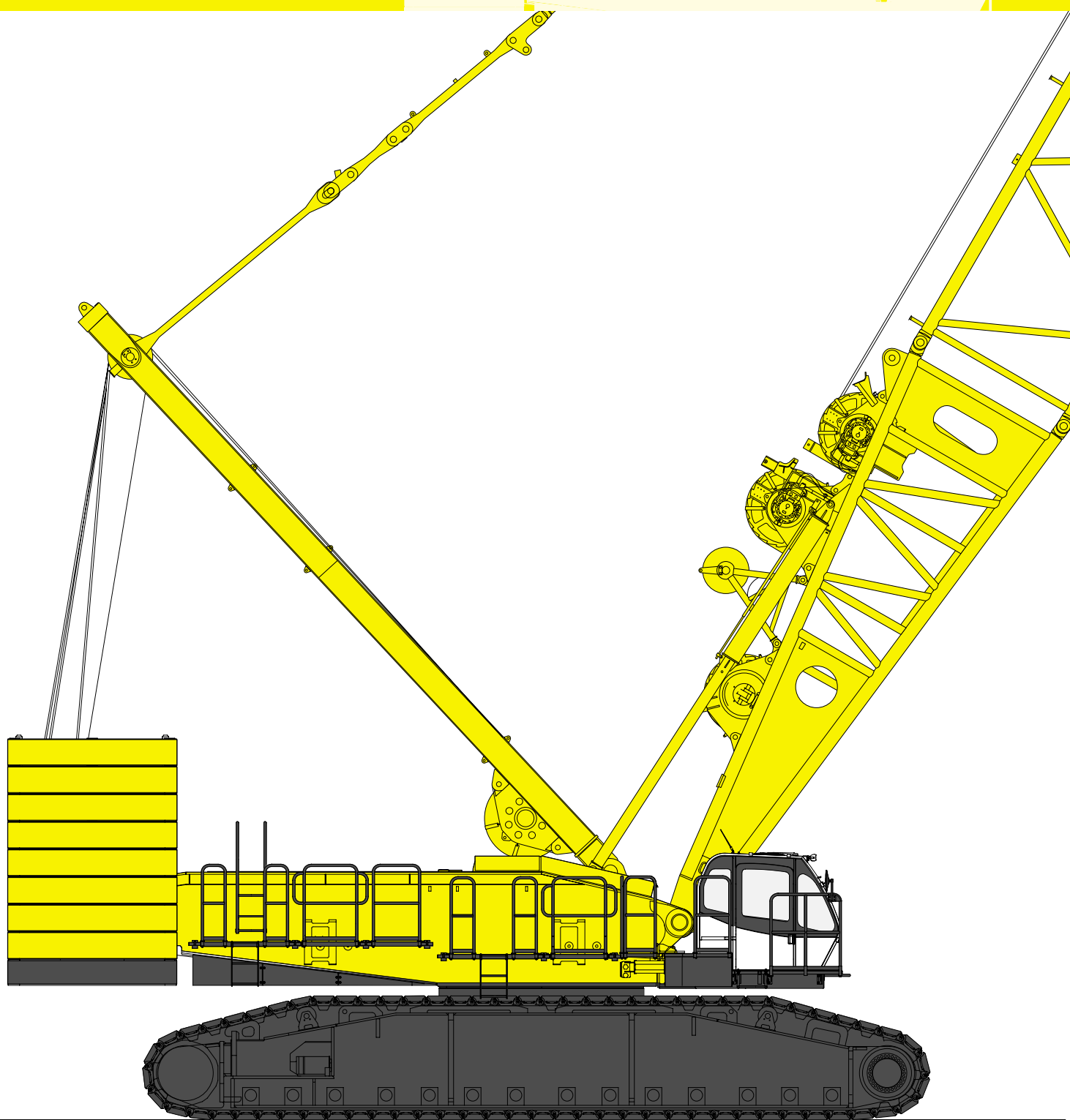


HYDRAULIC CRAWLER CRANE

SL6000

KOBELCO

Model: SL6000



Max. Lifting Capacity: 600 US ton x 27.2 ft
Max. Crane Boom Length: 413 ft
Max. Luffing Jib Combination: 276 ft + 276 ft

CONFIGURATION

STD Long Boom

Max. Lifting Capacity:
216,000 lbs x 49 ft
Max. Boom Length: 354 ft

STD Luffing Boom

Max. Lifting Capacity:
661,300 lbs x 30.5 ft
Max. Boom Length: 276 ft

HL Luffing Boom

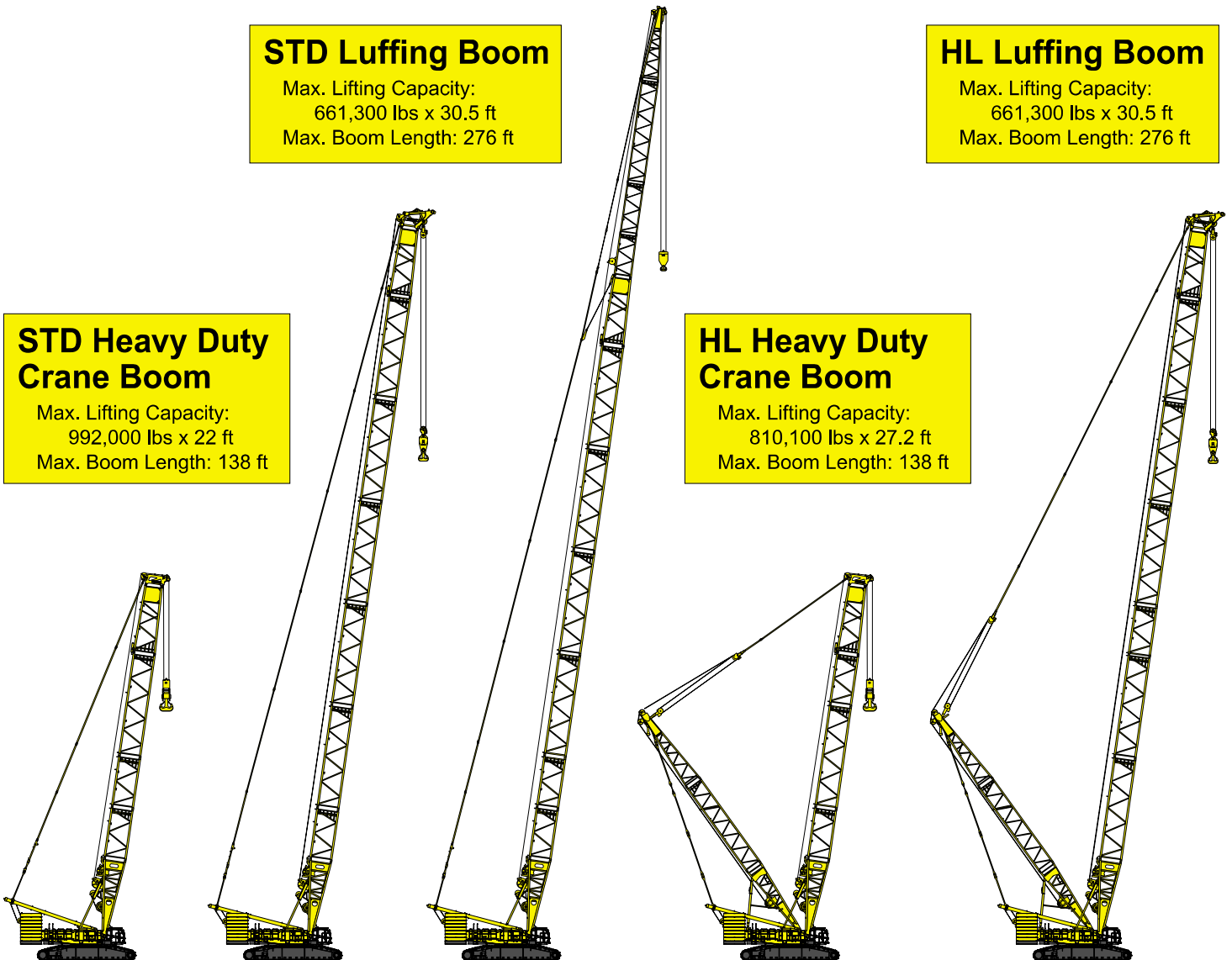
Max. Lifting Capacity:
661,300 lbs x 30.5 ft
Max. Boom Length: 276 ft

STD Heavy Duty Crane Boom

Max. Lifting Capacity:
992,000 lbs x 22 ft
Max. Boom Length: 138 ft

HL Heavy Duty Crane Boom

Max. Lifting Capacity:
810,100 lbs x 27.2 ft
Max. Boom Length: 138 ft

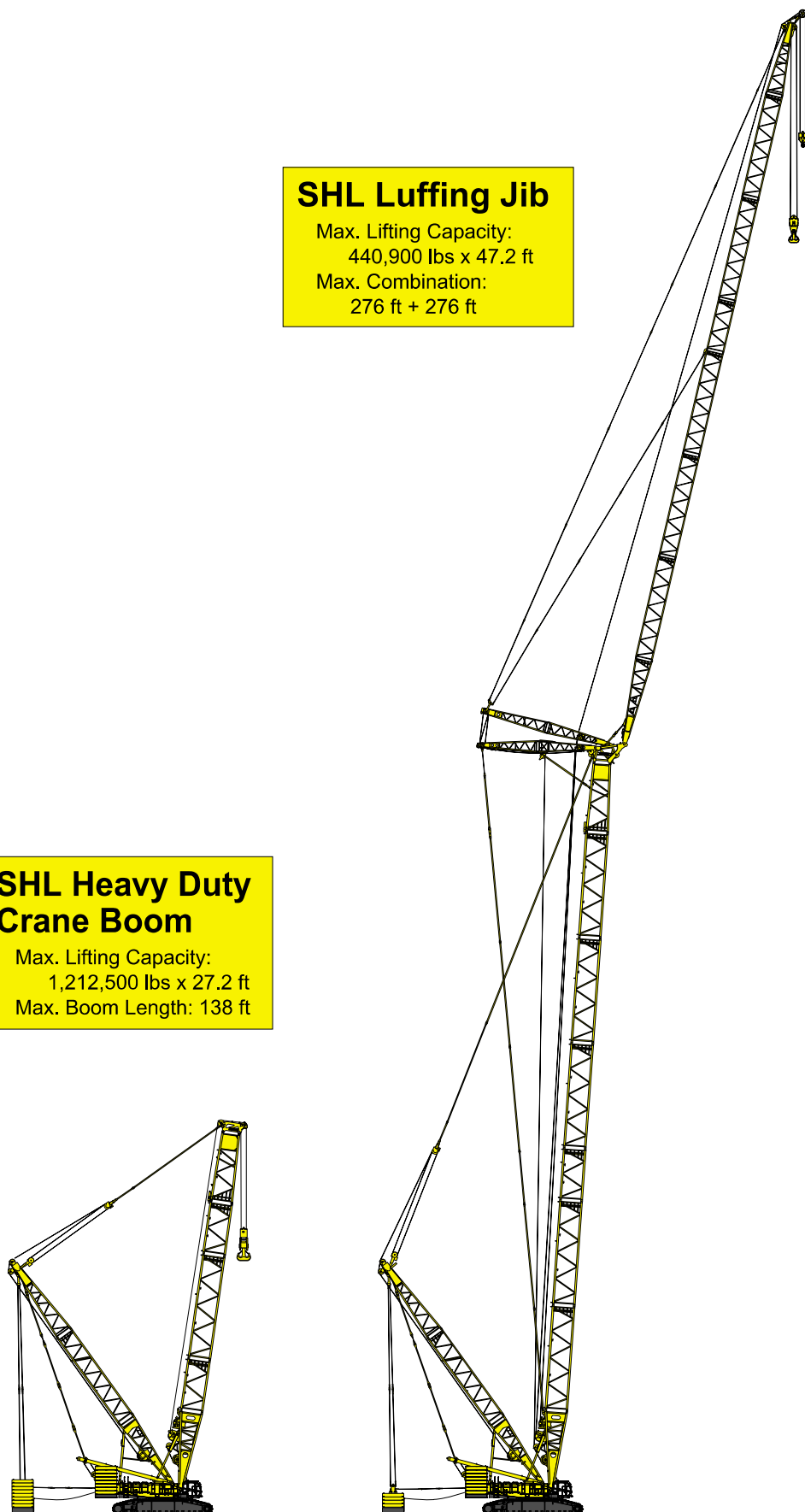


SHL Luffing Jib

Max. Lifting Capacity:
440,900 lbs x 47.2 ft
Max. Combination:
276 ft + 276 ft

SHL Heavy Duty Crane Boom

Max. Lifting Capacity:
1,212,500 lbs x 27.2 ft
Max. Boom Length: 138 ft



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SPECIFICATIONS



Power Plant

Model: Hino diesel engine E13C-UV

Type: Water-cooled, direct fuel injection, with turbocharger
Complies with US EPA Tier III.

Displacement: 788 cu in (12.913 liters)

Rated Power: 429 HP/2,000 rpm (320 kW/2,000 min⁻¹)

Max. torque: 1,218 lb-ft/1,300 rpm (1,650 N-m/1,300 min⁻¹)

Cooling system: Liquid, recirculating bypass

Starter: 24 V/6 kW

Radiator: Corrugated type core, thermostatically controlled

Air cleaner: Dry type with replaceable paper element

Throttle: Twist grip type hand throttle, electrically actuated

Fuel filter: Replaceable paper element

Batteries: Two 12V x 136Ah/5HR capacity batteries, parallel connected.

Fuel tank capacity: 158 US gal. (600 liters)



Hydraulic System

Six variable displacement piston pumps are driven by heavy-duty pump drive. Two variable displacement pumps are used in H1 (main hook hoist) and right hand side propel circuit. Two variable displacement pumps are used in H2 (auxiliary hook hoist) and left hand side propel circuit. One of the other two pumps is used in W1 (boom), W2 (jib) or W3 (SHL mast) hoist circuit, and the other is used in the swing circuit.

Control: Full-flow hydraulic control system for infinitely variable pressure to all winches, propel and swing.

Controls respond instantly to the touch, delivering smooth function operation.

Cooling: Oil-to-air heat exchanger (plate-fin type)

Filtration: Full-flow and bypass type with replaceable element

Electrical system: All wiring corded for easy servicing, individual fused branch circuits.

Max. relief valve pressure: 4,620 psi (31.9 MPa)

Reservoir capacity: 188 US gal. (710 liters)



Boom Hoisting System

Powered by a hydraulic motor through a planetary reducer.

Brake: A spring-set, hydraulically released multiple-disc brake is mounted on the boom hoist motor and operated through a counter-balance valve.

Drum lock: External ratchet for locking drum.

Drum: Double drum, grooved for 28 mm dia. wire rope.

Line speed: Double line on first drum layer

Hoisting/Lowering: 66~7 ft/min (20~2 m/min) x 2

Boom hoist reeving: 30 parts of 28 mm dia. high strength wire rope

Boom backstops: Required for all boom lengths



Load Hoist System

H1 and H2 drums for load hoist powered by a hydraulic variable plunger motors, driven through planetary reducers.

Brake: A spring-set, hydraulically released multiple-disc brake is mounted on the hoist motor and operated through a counter-balance valve.

Drum lock: External ratchet for locking drum.

Drums:

H1 and H2:

25.2" (640 mm) P.C.D. x 53.8" (1,367.1 mm) Lg. wide drum, grooved for 28 mm wire rope. Rope capacity is 2,723 ft (830 m) working length and 3,500 ft (1,080 m) storage length.

Note: Rope lengths listed above denote drum capacity and may differ from actual rope lengths supplied when machinery is shipped.

Line speed: 360 ~ 10 ft/min (110 ~ 3 m/min)

Single line on the first layer

Rated line pull: 30,860 lbs (137 kN)



Swing System

Swing unit is powered by hydraulic motor driving spur gears through planetary reducers (4 sets), the swing system provides 360° rotation.

Swing parking brakes: A spring-set, hydraulically released multiple-disc brake is mounted on swing motor.

Swing circle: Triple-row roller bearing with an integral internally cut swing gear.

Swing speed: 0.9 rpm (0.9 min⁻¹)



Upper Structure

Torsion-free precision machined upper frame. All components are located clearly and service friendly. Engine with low noise level.



Cab & Control

Totally enclosed, full vision cab with safety glass, fully adjustable, high backed seat with a head-rest and armrests, and intermittent wiper and window washer (roof and front window).

Cab fittings:

Air conditioner, convenient compartment (for tool), cup holder, ashtray, cigarette lighter, sun visor, roof blind, tinted glass, floor mat, foot-rest, shoe tray

Controls:

Five adjustable levers for all winches and swing controls



Lower Structure

Steel-welded carbody with axles. Crawler assemblies are designed with quick disconnect feature for individual removal as a unit from axles. Crawler belt tension is maintained by hydraulic jack force on the track-adjusting bearing block.

Crawler drive: Two independent hydraulic propel drive is built into each crawler side frame. Each drive consists of a hydraulic motor propelling a driving tumbler through a planetary gear box. Hydraulic motor and gear box are built into the crawler side frame within the shoe width.

Crawler brakes: Spring-set, hydraulically released parking brakes are built into each propel drive.

Steering mechanism: A hydraulic propel system provides both skid steering (driving one track only) and counter-rotating steering (driving each track in opposite directions).

Track rollers: Sealed track rollers.

Shoes (flat): 72 shoes, 59" (1,500 mm) wide each crawler

Max. travel speed: 0.6 - 0.4 mph (1.0/0.4 km/h)

Max. gradeability: 20%



Weight

Including base machine, counterweights =396,800 lbs (180 metric ton), carbody weights =110,200 lbs (50 metric ton), 79 ft (24 m) boom with heavy boom tip and 992,000 lbs (450 metric ton) hook block. Not include quick connection device and upper transflifter.

Weight: 934,700 lbs (424 metric ton)

Ground pressure: 19.9 psi (136 kPa)



Attachment

Boom and Jib:

Welded lattice construction using tubular, high-tensile steel chords with pin connections between sections.

Boom and Jib Length

	Min. Length (Min. Combination)	Max. Length (Max. Combination)
STANDARD		
Crane Boom	79 ft	354 ft
Luffing Jib	98 ft + 79 ft	197 ft + 236 ft
HEAVY LIFT		
Crane Boom	118 ft	354 ft
Luffing Jib	118 ft + 79 ft	217 ft + 236 ft
SUPER HEAVY LIFT		
Crane Boom	118 ft	413 ft
Luffing Jib	118 ft + 79 ft	276 ft + 276 ft

Main Specifications (Model: SL6000)

Lift Enhancer	STD	HL	SHL
HL Mast	-	98 ft	98 ft
Additional Weight	-	-	~551,100 lbs
Heavy Duty Crane Boom			
Max. Lifting Capacity	992,000 lbs 22 ft	810,100 lbs	1,212,500 lbs
Length	79 ~ 138 ft	118 ~ 138 ft	118 ~ 138 ft
Crane Boom			
Max. Lifting Capacity	661,300 lbs 30.5 ft	661,300 lbs	661,300 lbs
Length	98 ~ 276 ft	118 ~ 276 ft	118 ~ 276 ft
Long Boom			
Length	295 ~ 354 ft	295 ~ 354 ft	295 ~ 413 ft
Luffing Jib			
Max. Lifting Capacity	375,600 lbs	440,900 lbs	440,900 lbs
Max. Combination (Boom) (Jib)	197 ft 236 ft	217 ft 236 ft	276 ft 276 ft
Luffing Angle	66° ~ 86°		
Power Plant			
Model	Hino E13C-UV		
Engine Output	429 HP (320 kW)/2,000 rpm (min ⁻¹)		
Fuel Tank Capacity	158 US gal (600 liters)		

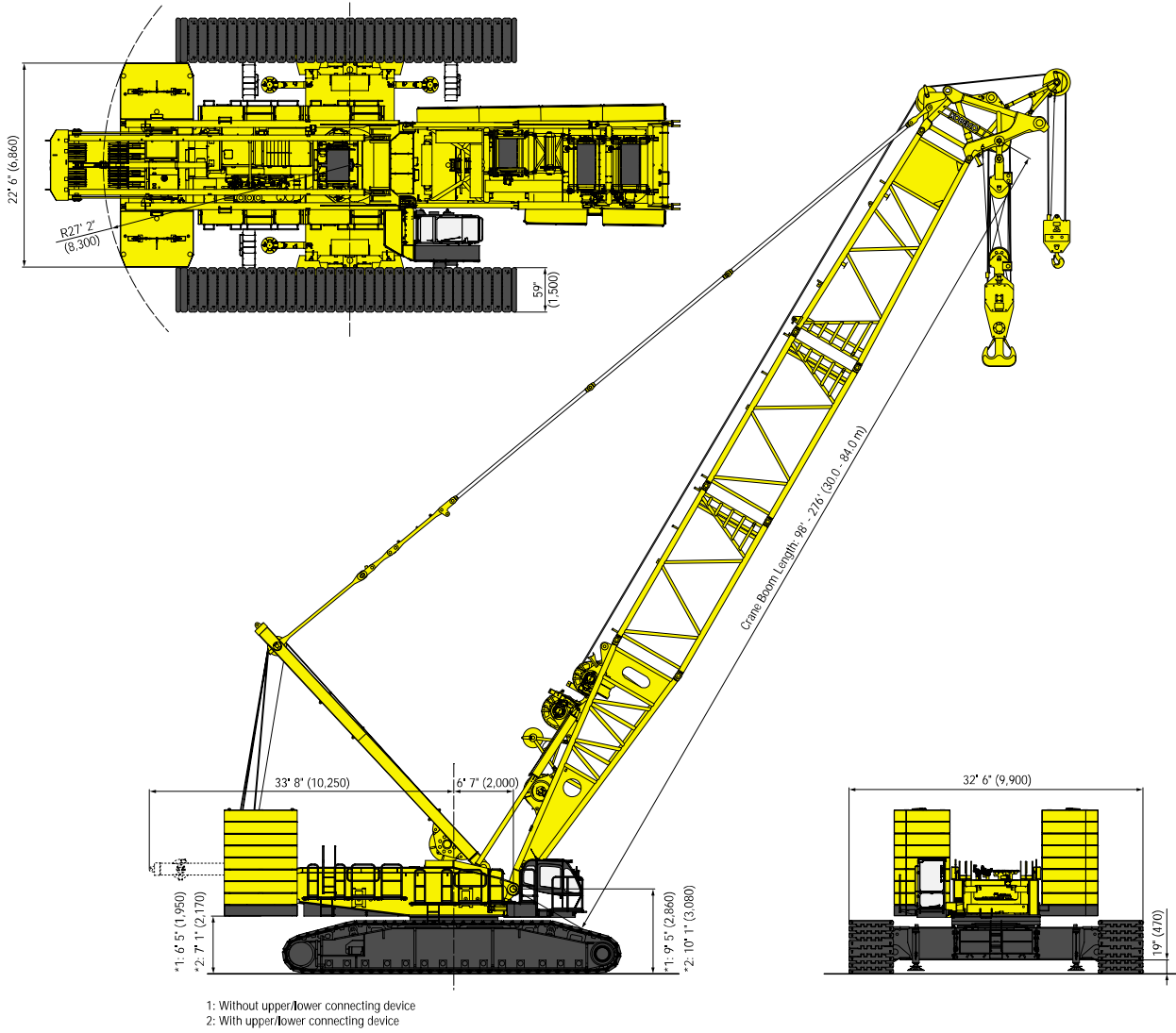
Hoist Winch (H1, H2)	
Max. Line Speed	360 ft (110 m/min): 1st layer
Rated Line Pull (Single line)	30,860 lbs (137 kN)
Wire Rope Diameter	28 mm
Wire Rope Length	2,723 ft (830 m)
Working Speed	
Swing	0.9 rpm (0.9 min ⁻¹)
Travel	0.6/0.4 mph (1.0/0.6 km/h)
Hydraulic System	
Pumps	6 variable displacement
Max. Pressure	4,620 psi (31.9 MPa)
Hydraulic Tank Capacity	188 US gal (710 liters)
Weight	
Working Weight*	Approx. 934,700 lbs (424 metric ton)
Ground Pressure*	19.9 psi (136 kPa)
Counterweight	Upper: 396,800 lbs (180 metric ton)
	Lower: 110,200 lbs (50 metric ton)

* Including base machine, counterweights =396,800 lbs (180 metric ton), carbody weights = 110,200 lbs (50 metric ton), 79 ft (24 m) boom with heavy boom tip and 992,000 lbs (450 metric ton) hook block. Not include quick connection device and upper transflifter.

GENERAL DIMENSIONS

Crane Boom

Unit: ft-in (mm)



Lift Enhancer

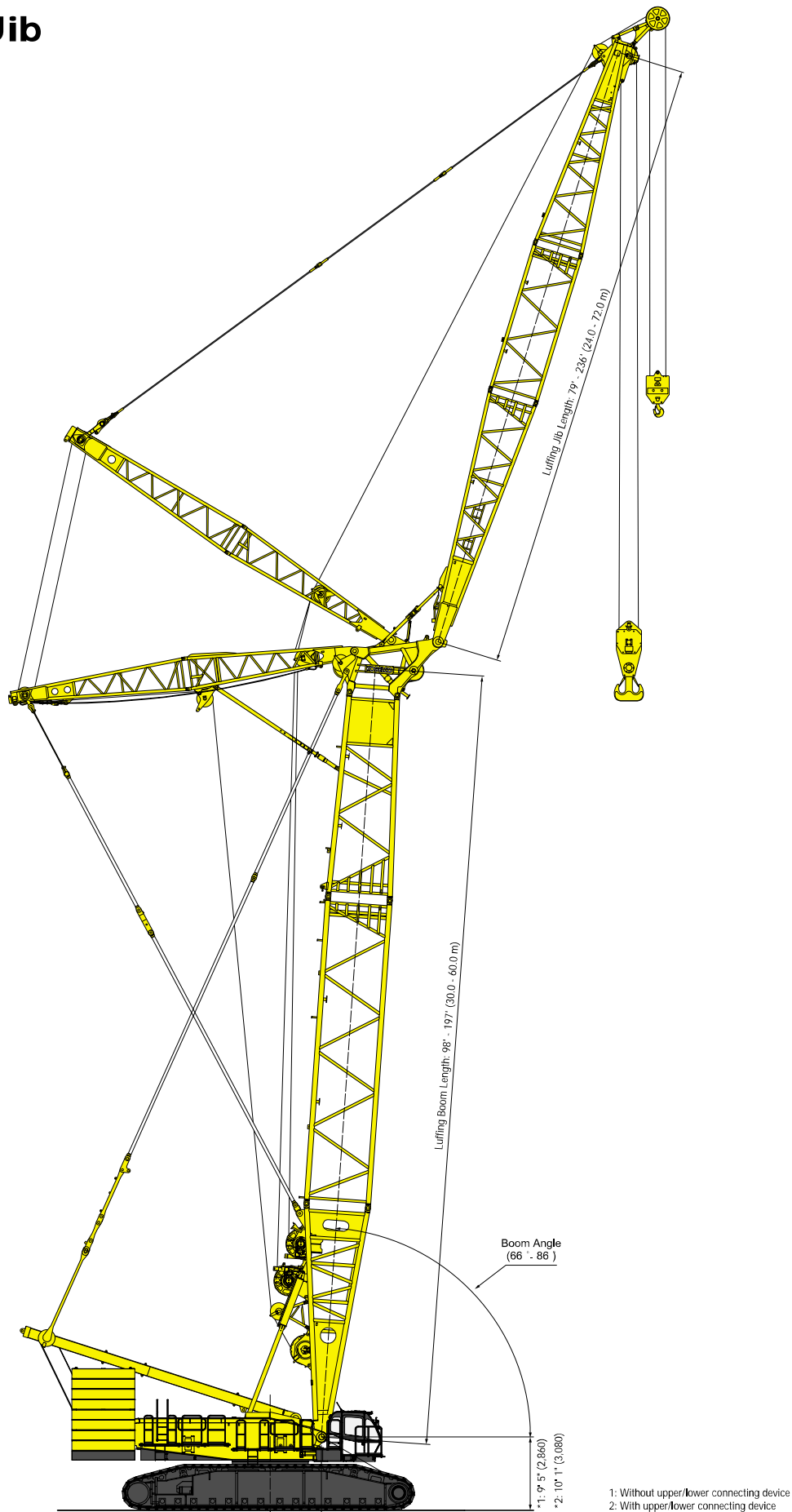


SHL CRANE

SHL LUFFING

Luffing Jib

Unit: ft-in (mm)



STANDARD

BOOM AND JIB ARRANGEMENTS

Heavy Duty Crane Boom Arrangements

Boom length ft (m)	Boom arrangement
79 (24)	※
98 (30)	※
118 (36)	※
138 (42)	※

Symbol	Boom Length	Remarks
	29.5 ft (9.0 m)	Boom Base
	26.2 ft (8.0 m)	Tapered Boom
	19.7 ft (6.0 m)	Insert Boom
	39.4 ft (12.0 m)	Insert Boom
	3.3 ft (1.0 m)	Boom Top

↗ mark shows the guy line installing position when the fixed jib is used.

※ indicates the most flexible combination of insert heavy duty booms, which can be modified to form all shorter heavy duty boom arrangements.

Luffing Boom Arrangements for Crane

Boom length ft (m)	Boom arrangement
98 (30)	※
118 (36)	※
138 (42)	※
157 (48)	※
177 (54)	※
197 (60)	※
217 (66)	※
236 (72)	※
256 (78)	※
276 (84)	※

Symbol	Boom Length	Remarks
	29.5 ft (9.0 m)	Boom Base
	26.2 ft (8.0 m)	Tapered Boom
	19.7 ft (6.0 m)	Insert Boom
	39.4 ft (12.0 m)	Insert Boom
	3.3 ft (1.0 m)	Boom Top

↗ mark shows the guy line installing position when the fixed jib is used.

※ indicates the most flexible combination of insert luffing booms, which can be modified to form all shorter luffing boom arrangements.

Long Boom Arrangements

Boom length ft (m)	Boom arrangement
295 (90)	
315 (96)	※
335 (102)	※
354 (108)	※

Symbol	Boom Length	Remarks
	29.5 ft (9.0 m)	Boom Base
	26.2 ft (8.0 m)	Tapered Boom
	19.7 ft (6.0 m)	Insert Boom
	39.4 ft (12.0 m)	Insert Boom
	16.4 ft (5.0 m)	Luffing Insert Jib
	19.7 ft (6.0 m)	Luffing Insert Jib
	39.4 ft (12.0 m)	Luffing Insert Jib
	26.2 ft (8.0 m)	Boom Top

↗ mark shows the guy line installing position when the fixed jib is used.

※ indicates the most flexible combination of insert long booms, which can be modified to form all shorter long boom arrangements.

Luffing Boom Arrangements for Luffing

Boom length ft (m)	Boom arrangement
98 (30)	※
118 (36)	※
138 (42)	※
157 (48)	※
177 (54)	※
197 (60)	※

Symbol	Boom Length	Remarks
	29.5 ft (9.0 m)	Boom Base
	26.2 ft (8.0 m)	Tapered Boom
	19.7 ft (6.0 m)	Insert Boom
	39.4 ft (12.0 m)	Insert Boom
	3.3 ft (1.0 m)	Boom Top

↗ mark shows the guy line installing position when the fixed jib is used.
 ※ indicates the most flexible combination of insert luffing booms, which can be modified to form all shorter luffing boom arrangements.

Luffing Jib Arrangements

Jib length ft (m)	Jib arrangement
79 (24)	
98 (30)	※
118 (36)	※
138 (42)	※
157 (48)	※
177 (54)	※
197 (60)	※
217 (66)	※
236 (72)	※

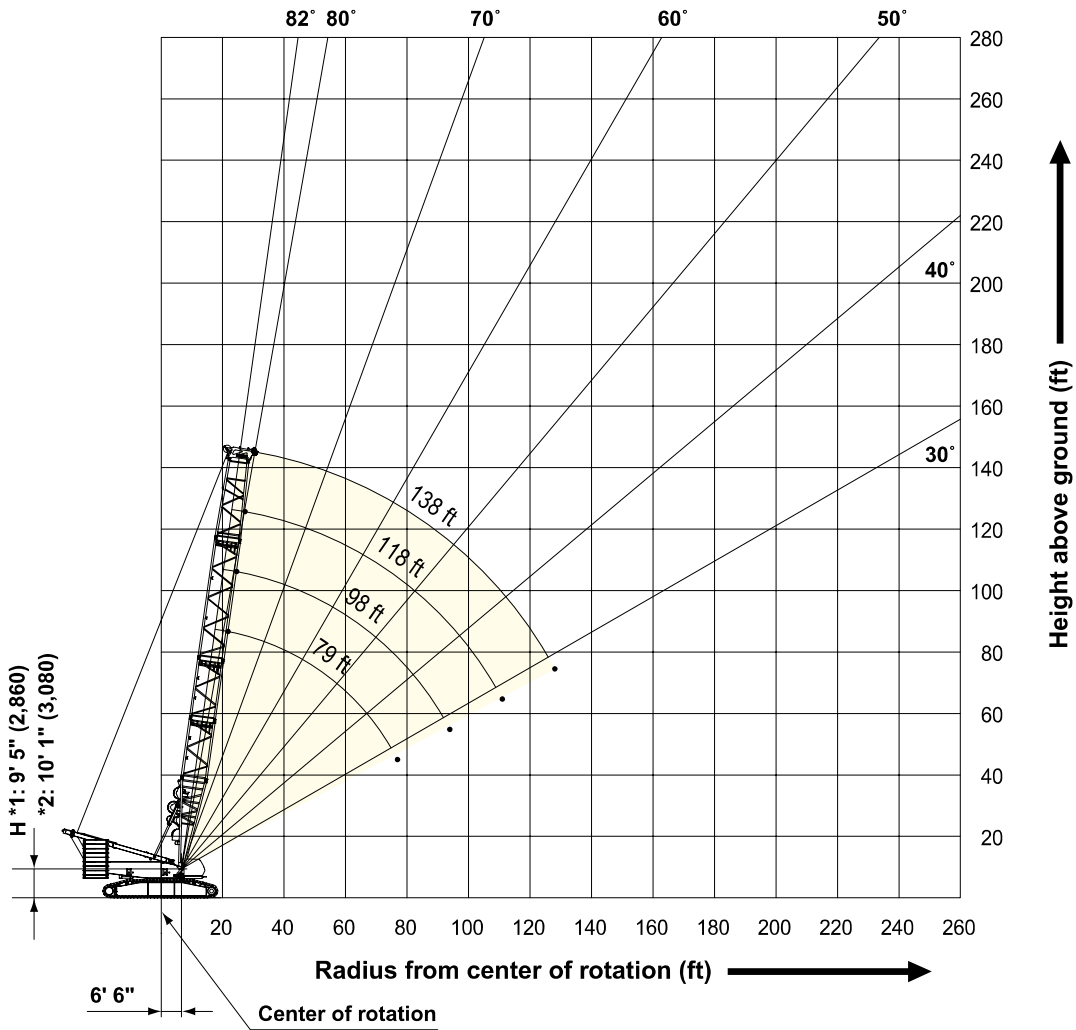
Symbol	Jib Length	Remarks
	32.8 ft (10.0 m)	Jib Base
	19.7 ft (6.0 m)	Luffing Insert Jib
	39.4 ft (12.0 m)	Luffing Insert Jib
	26.2 ft (8.0 m)	Jib Top

↗ mark shows the guy line installing position when the fixed jib is used.
 ※ indicates the most flexible combination of insert luffing jibs, which can be modified to form all shorter luffing jib arrangements.

STANDARD

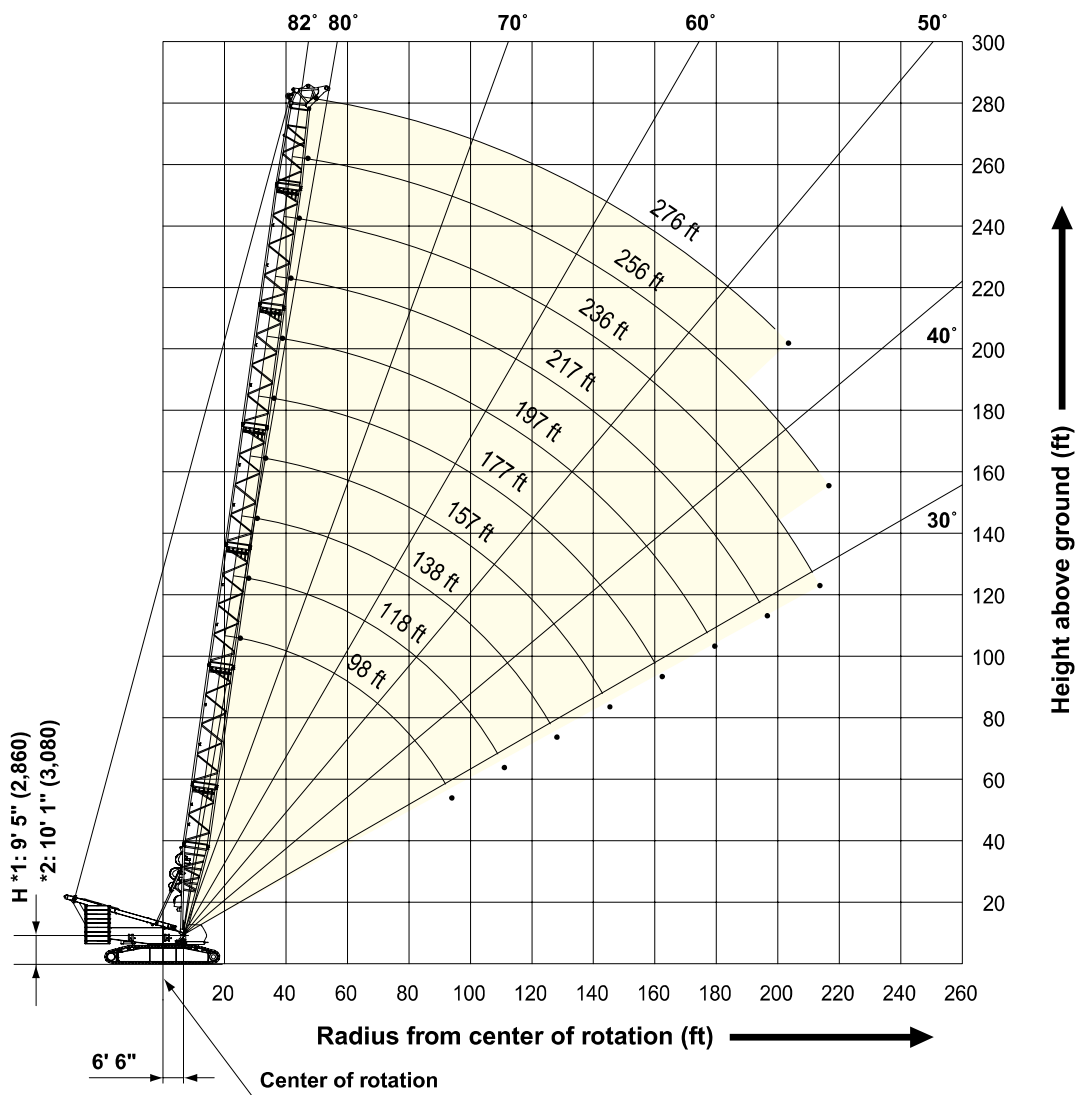
WORKING RANGES

Heavy Duty Crane Boom



- 1: Without upper/lower connecting device
- 2: With upper/lower connecting device

Luffing Boom

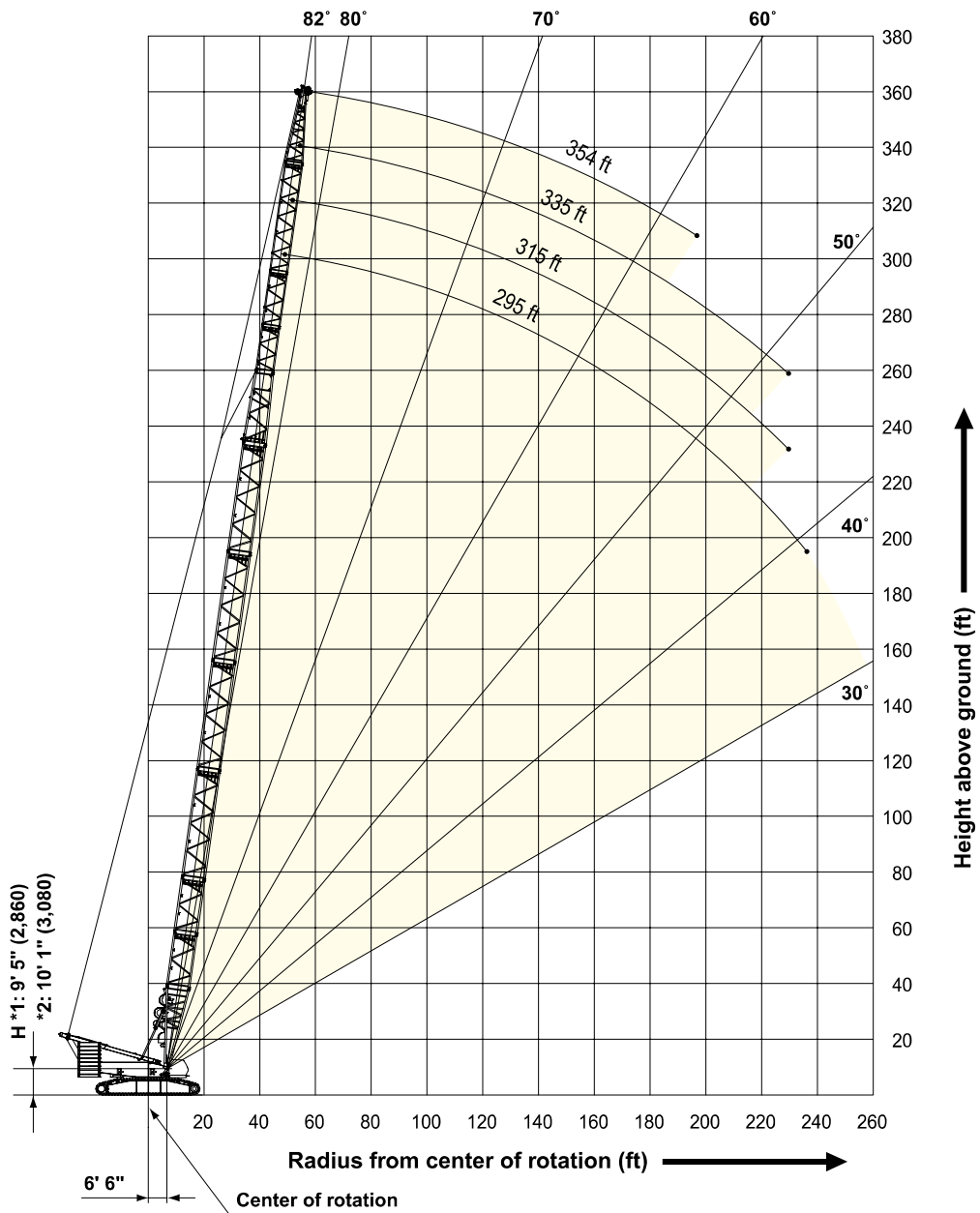


- 1: Without upper/lower connecting device
- 2: With upper/lower connecting device

STANDARD

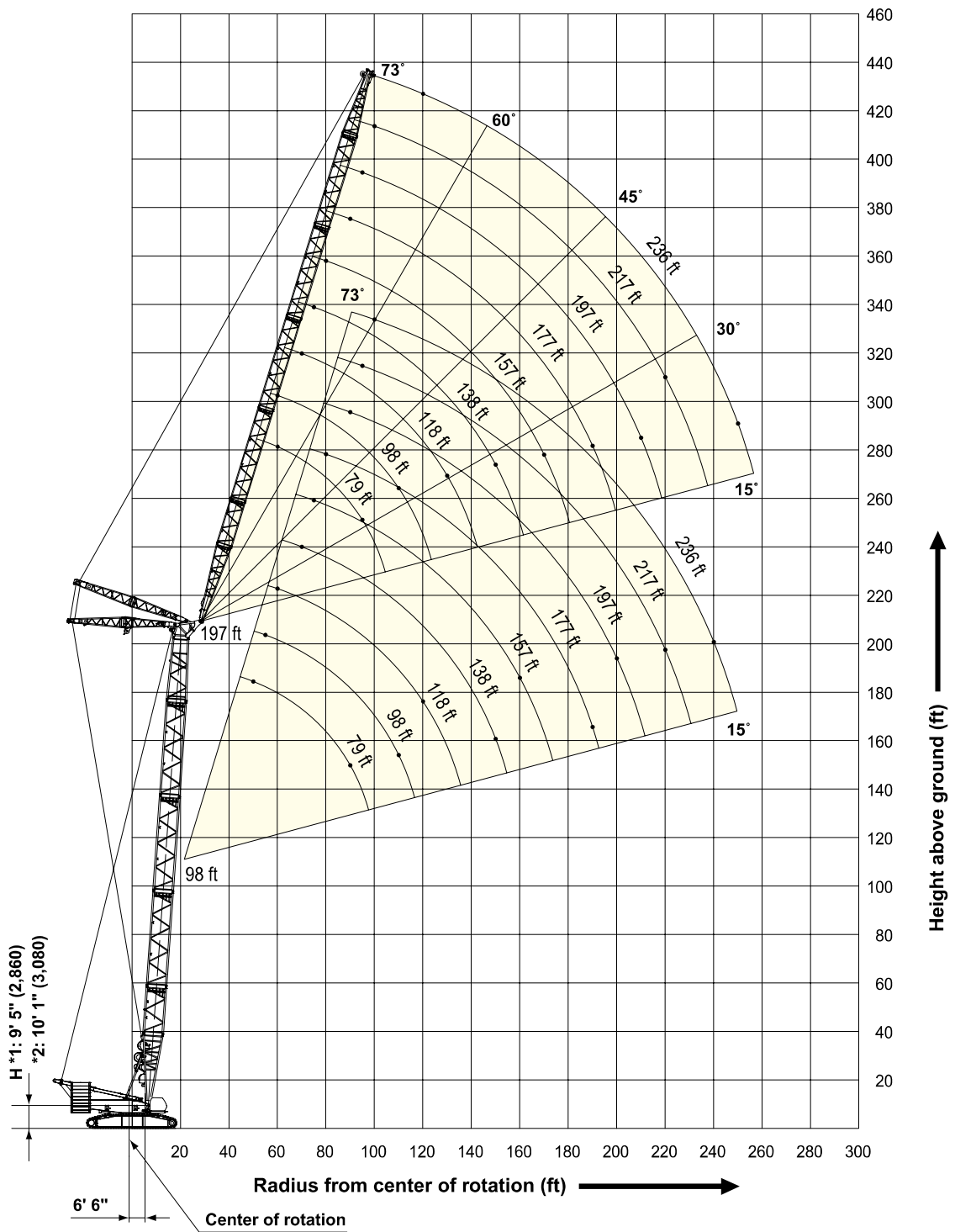
WORKING RANGES

Long Boom



1: Without upper/lower connecting device
2: With upper/lower connecting device

Luffing Jib Boom Angle: 86°



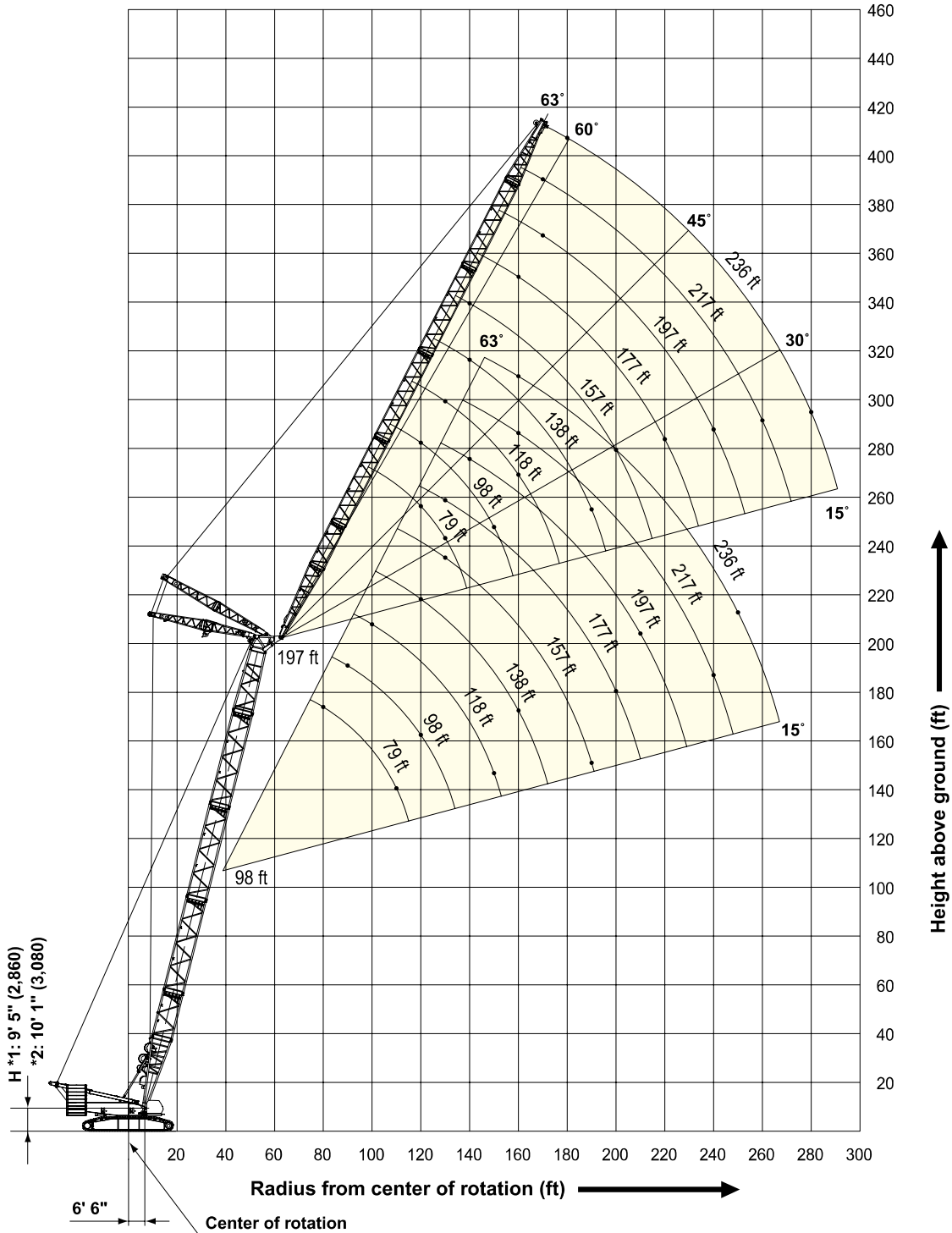
1: Without upper/lower connecting device
 2: With upper/lower connecting device

STANDARD

WORKING RANGES

Luffing Jib

Boom Angle: 76°



1: Without upper/lower connecting device
2: With upper/lower connecting device

CRANE BOOM SUPPLEMENTAL DATA

- Rated loads included in the charts are the maximum allowable freely suspended loads at a given boom length, boom angle and load radius, and have been determined for the machine standing level on firm supporting surface under ideal operating conditions. The user must limit or de-rate rated loads to allow for adverse conditions (such as soft or uneven ground, out-of-level conditions, wind, side loads, pendulum action, jerking or sudden stopping of loads, inexperience of personnel, multiple machine lifts, and traveling with a load).
- Rated loads do not exceed 75% of minimum tipping loads. Rated loads based on factors other than machine stability such as structural competence are shown by asterisk * in the charts.
- The machine must be reeved and set-up as stated in the operation manual and all the instruction manuals. If these manuals are missing, obtain replacements.
 - Boom backstops are required for all boom lengths.
 - The crane must be leveled to within 1% on a firm supporting surface.
- Do not attempt to lift where no radius on load is listed as crane may tip or collapse.
- Attempting to lift more than rated loads may cause machine to tip or collapse. Do not tip machine to determine rated loads.
- Weight of hooks, hook blocks, slings and other lifting devices are a part of the total load. Their total weight must be subtracted from the rated load to obtain the weight that can be lifted.
- The minimum rated load show below.

Minimum Rated Load		
Heavy Duty Crane Boom	Luffing Boom	Long Boom
-	17,000 lbs	13,600 lbs

- When lifting over boom point with auxiliary sheave, rated loads for the boom must be deducted as shown below.

Aux. Sheave For Crane Boom	
Deductions (lbs)	1,500
- In the case of auxiliary sheave for crane boom, the total lifting load is the value for 1,500 lbs deducted from rated loads for the crane boom without auxiliary sheave, but it should not exceed 30,800 lbs for single part line. And it should not exceed 61,700 lbs with two parts of line.

- Boom lengths for auxiliary sheave can be equipped.

	STD	HL	SHL
Heavy Duty Crane Boom	N/A	N/A	N/A
Luffing Boom	98 ft - 276 ft (30 - 84 m)	118 ft - 276 ft (36 - 84 m)	118 ft - 276 ft (36 - 84 m)
Long Boom	295 - 335 ft (90 - 102 m)	295 - 354 ft (90 - 108 m)	295 - 394 ft (90 - 120 m)

- The boom should be erected over the front of the crawlers. When erecting and lowering the boom at length of 334.6ft (102m) or over for long boom and 334.6ft (108m) or over for HL-long boom, the blocks for erection must be placed at the end of the crawlers.
- To prevent the boom from leaning toward backward, the own weight of hook block attached to boom point must be equal to or more than that of shown below.

Boom Length (ft)	Heavy Duty Crane Boom	Luffing Boom
79 ft (24 m)	19,200 (lbs)	-
98 ft (30 m)	19,200 (lbs)	6,800 (lbs)
118 ft (36 m)	6,800 (lbs)	4,400 (lbs)
138 ft (42 m)	6,800 (lbs)	-

- Maximum hoist load for number of reeving parts of line for hoist rope.

Main Boom Hoist Loads (Double Drum)

No. of Parts of Line	8(2x4)	12(2x6)	16(2x8)	20(2x10)	24(2x12)
Maximum Loads (lbs)	246,900	361,500	485,000	617,200	740,700

No. of Parts of Line	28(2x14)	36(2x18)	44(2x22)
Maximum Loads (lbs)	815,700	992,000	1,212,500

Main Boom Hoist Loads (Single Drum)

No. of Parts of Line	1	2	3	4	5
Maximum Loads (lbs)	30,800	61,700	92,500	123,400	154,300

No. of Parts of Line	6	7	8	9	10
Maximum Loads (lbs)	185,100	216,000	246,900	277,700	308,600

No. of Parts of Line	11	12	13	14	15
Maximum Loads (lbs)	335,000	361,500	383,500	405,600	423,200

No. of Parts of Line	16
Maximum Loads (lbs)	440,900

Auxiliary Hoist Loads

No. of Parts of Line	1	2
Maximum Loads (lbs)	30,800	61,700

- Rated loads listed apply only to the machine as originally manufactured and designed by KOBELCO CRANES CO.,LTD. Modifications to this machine or use of equipment other than that specified can reduce operating capacity.
- Designed and rated to comply with ASME Code B30.5.

Operation of this equipment in excess of rated or disregard of instruction voids the warranty.
--

LUFFING JIB SUPPLEMENTAL DATA

- Rated loads included in the charts are the maximum allowable freely suspended loads at a given boom length, boom angle and load radius, and have been determined for the machine standing level on firm supporting surface under ideal operating conditions. The user must limit or de-rate rated loads to allow for adverse conditions (such as soft or uneven ground, out-of-level conditions, wind, side loads, pendulum action, jerking or sudden stopping of loads, inexperience of personnel, multiple machine lifts, and traveling with a load).
- Rated loads do not exceed 75% of minimum tipping loads. Rated loads based on factors other than machine stability such as structural competence are shown by asterisk * in the charts.
- The machine must be reeved and set-up as stated in the operation manual and all the instruction manuals. If these manuals are missing, obtain replacements.
 - Boom backstops are required for all boom lengths.
 - The crane must be leveled to within 1% on a firm supporting surface.
- Do not attempt to lift where no radius on load is listed as crane may tip or collapse.
- Attempting to lift more than rated loads may cause machine to tip or collapse. Do not tip machine to determine rated loads.
- Weight of hooks, hook blocks, slings and other lifting devices are a part of the total load. Their total weight must be subtracted from the rated load to obtain the weight that can be lifted.
- The minimum rated load is 8,900 lbs.
- The total load that can be lifted over a jib is limited by rated jib loads.
- The total loads that can be lifted over an auxiliary sheave should not exceed 61,700 lbs.

10. Luffing boom and jib combinations.

		Jib Length										
		79 ft (24 m)	98 ft (30 m)	118 ft (36 m)	138 ft (42 m)	157 ft (48 m)	177 ft (54 m)	197 ft (60 m)	217 ft (66 m)	236 ft (72 m)	256 ft (78 m)	276 ft (84 m)
Boom Length	98 ft (30 m)	o *	o *	o *	o *	o *	o *	o *	o *	o *	x	x
	118 ft (36 m)	o	o	o	o	o	o	o	o	o	o **	o **
	138 ft (42 m)	o	o	o	o	o	o	o	o	o	o **	o **
	157 ft (48 m)	o	o	o	o	o	o	o	o	o	o **	o **
	177 ft (54 m)	o	o	o	o	o	o	o	o	o	o **	o **
	197 ft (60 m)	o	o	o	o	o	o	o	o	o	o **	o **
	217 ft (66 m)	o ***	o ***	o ***	o ***	o ***	o **	o ***	o ***	o ***	o **	o **
	236 ft (72 m)	o **	o **	o **	o **	o **	o **	o **	o **	o **	o **	o **
	256 ft (78 m)	x	o **	o **	o **	o **	o **	o **	o **	o **	o **	o **
	276 ft (84 m)	x	o **	o **	o **	o **	o **	o **	o **	o **	o **	o **

- x : All luffing jib combinations which is not allowed.
- o : All luffing jib combinations which is allowed.
- o * : Standard-Luffing jib combinations which is allowed.
- o ** : Super heavy lift-Luffing jib combinations which is allowed.
- o *** : Heavy lift and Super heavy lift-Luffing jib combinations which is allowed.

- The boom should be erected over the front of the crawlers. When erecting and lowering the boom length of 177 ft (54 m) or over for Standard-Luffing, the blocks for erection must be placed at the end of the crawlers.

12. Maximum hoist load for number of reeving parts of line for hoist rope.

Jib Hoist Loads (Double Drum)

No. of Parts of Line	8(2x4)	12(2x6)	16(2x8)
Maximum Loads (lbs)	246,900	361,500	440,900

Jib Hoist Loads (Single Drum)

No. of Parts of Line	1	2	3	4	5
Maximum Loads (lbs)	30,800	61,700	92,500	123,400	154,300

No. of Parts of Line	6	7	8	9	10
Maximum Loads (lbs)	185,100	216,000	246,900	277,700	308,600

No. of Parts of Line	11	12	13	14	15
Maximum Loads (lbs)	335,000	361,500	383,500	405,600	423,200

No. of Parts of Line	16
Maximum Loads (lbs)	440,900

Auxiliary Hoist Loads

No. of Parts of Line	1	2
Maximum Loads (lbs)	30,800	61,700

14. Lifting capacities listed apply only to the machine as originally manufactured and designed by KOBELCO CRANES CO.,LTD. Modifications to this machine or use of equipment other than that specified can reduce operating capacity.

15. Designed and rated to comply with ASME Code B30.5.

Operation of this equipment in excess of rated or disregard of instruction voids the warranty.

13. Hook block and number of reeving parts of line restriction

(1) The self-weight of luffing jib point hook block must be heavier than the table below.

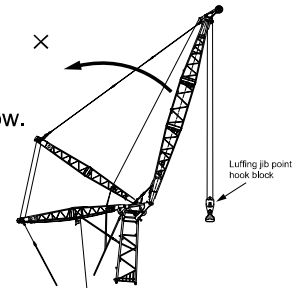
(2) Total number of reeving parts of line on luffing jib point hook block must be larger than the table below.

Danger!

Follow the both (1) and (2) above the same time for the luffing jib operation.

Otherwise luffing jib may tip over the backwards due to lack of weight on front side of boom.

Failure to observe this precaution may lead to the jib tipping backwards and resulted to machine collapsing.



SL6000 minimum hook block self-weight and minimum number of reeving parts of line on hook block

Boom Length	Jib Length	79 ft	98 ft	118 ft	138 ft	157 ft	177 ft	197 ft	217 ft	236 ft	256 ft	276 ft
		(24 m)	(30 m)	(36 m)	(42 m)	(48 m)	(54 m)	(60 m)	(66 m)	(72 m)	(78 m)	(84 m)
98 ft (30 m)	Hook Block Self-Weight (lbs)	15,700	10,000	6,900	4,500	4,500	4,500	4,500	4,500	4,500	4,500	4,500
	No. of Part Line	13	6	4	2	2	2	2	2	2	2	2
118 ft (36 m)	Hook Block Self-Weight (lbs)	15,700	10,000	6,900	4,500	4,500	4,500	4,500	4,500	4,500	4,500	4,500
	No. of Part Line	11	6	4	2	2	2	2	2	2	2	2
138 ft (42 m)	Hook Block Self-Weight (lbs)	15,700	15,700	6,900	4,500	4,500	4,500	4,500	4,500	4,500	4,500	4,500
	No. of Part Line	10	9	4	2	2	2	2	2	2	2	2
157 ft (48 m)	Hook Block Self-Weight (lbs)	15,700	15,700	6,900	4,500	4,500	4,500	4,500	4,500	4,500	4,500	4,500
	No. of Part Line	9	9	4	2	2	2	2	2	2	2	2
177 ft (54 m)	Hook Block Self-Weight (lbs)	15,700	15,700	10,000	6,900	4,500	4,500	4,500	4,500	4,500	4,500	4,500
	No. of Part Line	9	8	6	2	2	2	2	2	2	2	2
197 ft (60 m)	Hook Block Self-Weight (lbs)	15,700	15,700	15,700	6,900	4,500	4,500	4,500	4,500	4,500	4,500	4,500
	No. of Part Line	8	7	7	3	2	2	2	2	2	2	2
217 ft (66 m)	Hook Block Self-Weight (lbs)	15,700	15,700	15,700	10,000	6,900	4,500	4,500	4,500	4,500	4,500	4,500
	No. of Part Line	7	7	6	2	2	2	2	2	2	2	2
236 ft (72 m)	Hook Block Self-Weight (lbs)	15,700	15,700	15,700	10,000	6,900	4,500	4,500	4,500	4,500	4,500	4,500
	No. of Part Line	7	6	6	2	2	2	2	2	2	2	2
256 ft (78 m)	Hook Block Self-Weight (lbs)		15,700	15,700	10,000	6,900	4,500	4,500	4,500	4,500	4,500	4,500
	No. of Part Line		6	5	2	2	2	2	2	2	2	2
276 ft (84 m)	Hook Block Self-Weight (lbs)		15,700	15,700	10,000	6,900	4,500	4,500	4,500	4,500	4,500	4,500
	No. of Part Line		5	5	3	2	2	2	2	2	2	2

STANDARD

LIFTING CAPACITIES

Heavy Duty Crane Boom Lifting Capacities

Unit: lbs

Counterweight: 396,800 lbs, Carbody weight: 110,200 lbs

79' Boom			98' Boom			118' Boom			138' Boom		
Load Radius (ft)	Boom Angle (deg.)	360 Rated Load (lbs)	Load Radius (ft)	Boom Angle (deg.)	360 Rated Load (lbs)	Load Radius (ft)	Boom Angle (deg.)	360 Rated Load (lbs)	Load Radius (ft)	Boom Angle (deg.)	360 Rated Load (lbs)
22.0	81.9	992,000 *	24.6	82.0	859,700 *	27.2	82.0	749,500 *	30.2	81.9	687,100 *
23.0	81.1	935,800 *	26.0	81.1	812,900 *	28.0	81.6	736,200 *	32.0	81.2	638,900 *
24.0	80.4	902,200 *	28.0	80.0	757,500 *	30.0	80.7	699,700 *	34.0	80.3	595,400 *
26.0	78.9	835,000 *	30.0	78.8	706,000 *	32.0	79.7	656,700 *	36.0	79.5	558,400 *
28.0	77.4	773,700 *	32.0	77.6	661,600 *	34.0	78.7	616,100 *	38.0	78.6	521,300 *
30.0	75.9	716,000 *	34.0	76.3	620,000 *	36.0	77.7	577,200 *	40.0	77.8	487,900 *
32.0	74.3	667,700 *	36.0	75.1	580,200 *	38.0	76.7	538,300 *	45.0	75.6	424,100 *
34.0	72.8	623,800 *	38.0	73.9	540,400 *	40.0	75.7	502,900 *	50.0	73.4	373,400 *
36.0	71.2	583,000 *	40.0	72.7	504,400 *	45.0	73.1	433,300 *	55.0	71.2	328,100
38.0	69.7	542,200 *	45.0	69.6	435,100 *	50.0	70.5	376,900 *	60.0	69.0	287,300
40.0	68.1	505,500 *	50.0	66.4	377,400 *	55.0	67.9	328,800	65.0	66.7	255,200
45.0	64.0	436,200 *	55.0	63.1	328,600	60.0	65.2	288,000	70.0	64.4	226,400
50.0	59.7	377,700 *	60.0	59.7	287,800	65.0	62.5	255,900	75.0	62.0	203,900
55.0	55.3	328,400	65.0	56.1	256,100	70.0	59.6	226,800	80.0	59.6	186,800
60.0	50.5	287,800	70.0	52.4	227,000	75.0	56.7	204,500	85.0	57.1	172,300
65.0	45.3	256,100	75.0	48.5	204,700	80.0	53.7	187,900	90.0	54.6	158,800
70.0	39.6	227,100	80.0	44.3	188,200	85.0	50.5	173,400	95.0	51.9	146,800
72.2	36.8	214,700	85.0	39.8	173,900	90.0	47.2	160,100	100.0	49.1	136,200
			90.0	34.6	160,700	95.0	43.7	148,100	110.0	43.2	118,300
			93.8	30.2	151,000	100.0	39.9	137,500	120.0	36.4	104,100
						110.0	31.0	119,500	128.0	30.1	93,900
						110.9	30.1	117,900			

Note: Loads enclosed in bold lines in the table require double-drum specifications. Refer to supplemental data P14.

Luffing Boom Lifting Capacities

Unit: lbs

Counterweight: 396,800 lbs, Carbody weight: 110,200 lbs

98' Boom			118' Boom			138' Boom			157' Boom		
Load Radius (ft)	Boom Angle (deg.)	360 Rated Load (lbs)	Load Radius (ft)	Boom Angle (deg.)	360 Rated Load (lbs)	Load Radius (ft)	Boom Angle (deg.)	360 Rated Load (lbs)	Load Radius (ft)	Boom Angle (deg.)	360 Rated Load (lbs)
25.3	81.9	661,300 *	27.9	82.0	661,300 *	30.5	82.0	661,300 *	33.5	82.0	570,100 *
26.0	81.5	661,300 *	28.0	81.9	661,300 *	32.0	81.4	630,200 *	34.0	81.8	560,900 *
28.0	80.3	661,300 *	30.0	80.9	658,600 *	34.0	80.6	591,200 *	36.0	81.0	526,600 *
30.0	79.1	658,800 *	32.0	80.0	647,000 *	36.0	79.7	554,000 *	38.0	80.3	492,300 *
32.0	77.9	648,200 *	34.0	79.0	617,600 *	38.0	78.9	516,900 *	40.0	79.5	461,300 *
34.0	76.7	619,100 *	36.0	78.0	576,000 *	40.0	78.0	483,300 *	45.0	77.7	401,400 *
36.0	75.5	577,500 *	38.0	77.0	534,400 *	45.0	75.9	419,300 *	50.0	75.8	354,300 *
38.0	74.3	535,900 *	40.0	76.0	497,200 *	50.0	73.7	369,300 *	55.0	73.9	315,200
40.0	73.0	498,700 *	45.0	73.4	427,800 *	55.0	71.5	324,400	60.0	72.0	281,600
45.0	69.9	429,300 *	50.0	70.8	373,000 *	60.0	69.2	283,600	65.0	70.0	250,300
50.0	66.7	373,900 *	55.0	68.2	325,900	65.0	67.0	251,500	70.0	68.0	224,500
55.0	63.4	326,400	60.0	65.5	285,100	70.0	64.7	225,700	75.0	66.0	202,400
60.0	60.0	285,800	65.0	62.8	253,000	75.0	62.3	203,700	80.0	64.0	183,500
65.0	56.5	253,900	70.0	59.9	227,400	80.0	59.9	184,800	85.0	61.9	167,400
70.0	52.8	228,200	75.0	57.0	205,500	85.0	57.4	168,700	90.0	59.8	153,600
75.0	48.9	206,200	80.0	54.0	186,600	90.0	54.8	155,100	95.0	57.6	141,500
80.0	44.7	187,500	85.0	50.8	170,500	95.0	52.1	143,000	100.0	55.4	130,900
85.0	40.1	171,300	90.0	47.5	156,900	100.0	49.4	132,500	110.0	50.8	112,800
90.0	35.0	157,900	95.0	44.0	144,800	110.0	43.4	114,500	120.0	45.7	98,500
94.2	30.1	147,200	100.0	40.2	134,200	120.0	36.7	100,200	130.0	40.2	86,400
			110.0	31.3	116,100	128.3	30.1	89,700	140.0	33.9	76,000
			111.2	30.1	113,900				145.3	30.0	71,200

177' Boom			197' Boom			217' Boom			236' Boom		
Load Radius (ft)	Boom Angle (deg.)	360 Rated Load (lbs)	Load Radius (ft)	Boom Angle (deg.)	360 Rated Load (lbs)	Load Radius (ft)	Boom Angle (deg.)	360 Rated Load (lbs)	Load Radius (ft)	Boom Angle (deg.)	360 Rated Load (lbs)
36.1	82.0	495,100 *	38.7	82.0	434,900 *	41.7	82.0	386,000 *	44.3	82.0	344,100 *
38.0	81.4	467,700 *	40.0	81.7	421,600 *	45.0	81.1	354,000 *	45.0	81.8	338,200 *
40.0	80.7	440,900 *	45.0	80.2	369,100 *	50.0	79.7	314,400 *	50.0	80.6	301,400 *
45.0	79.1	384,800 *	50.0	78.7	327,000 *	55.0	78.4	280,800	55.0	79.4	269,400
50.0	77.4	340,400 *	55.0	77.2	291,700	60.0	77.0	252,400	60.0	78.1	242,200
55.0	75.7	303,300	60.0	75.7	261,900	65.0	75.6	228,600	65.0	76.9	219,400
60.0	74.0	272,100	65.0	74.2	237,200	70.0	74.3	208,500	70.0	75.6	200,100
65.0	72.3	246,300	70.0	72.6	216,300	75.0	72.9	190,700	75.0	74.4	182,900
70.0	70.6	222,600	75.0	71.1	197,800	80.0	71.5	175,100	80.0	73.1	167,700
75.0	68.9	201,300	80.0	69.5	180,800	85.0	70.1	161,200	85.0	71.8	154,200
80.0	67.1	182,400	85.0	68.0	164,500	90.0	68.6	148,700	90.0	70.5	142,500
85.0	65.3	166,100	90.0	66.4	150,700	95.0	67.2	137,000	95.0	69.2	131,900
90.0	63.5	152,300	95.0	64.7	138,500	100.0	65.7	126,300	100.0	67.9	122,400
95.0	61.7	140,200	100.0	63.1	127,800	110.0	62.8	107,900	110.0	65.2	105,500
100.0	59.8	129,600	110.0	59.7	109,500	120.0	59.7	93,300	120.0	62.5	91,100
110.0	55.9	111,400	120.0	56.3	95,000	130.0	56.6	80,800	130.0	59.7	78,300
120.0	51.8	96,900	130.0	52.6	82,800	140.0	53.3	70,000	140.0	56.8	67,100
130.0	47.4	84,600	140.0	48.8	72,200	150.0	49.8	60,800	150.0	53.8	57,900
140.0	42.7	74,300	150.0	44.7	63,200	160.0	46.2	52,900	160.0	50.7	50,000
150.0	37.6	65,800	160.0	40.2	55,500	170.0	42.3	46,100	170.0	47.4	43,100
160.0	31.6	58,400	170.0	35.3	49,200	180.0	38.1	40,100	180.0	44.0	37,000
162.4	30.0	56,600	179.5	30.0	43,200	190.0	33.4	34,700	190.0	40.3	31,600
						196.5	30.0	31,700	200.0	36.2	27,100
									210.0	31.8	22,800
									213.6	30.0	21,300

Note: Loads enclosed in bold lines in the table require double-drum specifications. Refer to supplemental data P14.

STANDARD

LIFTING CAPACITIES

Luffing Boom Lifting Capacities

Unit: lbs

Counterweight: 396,800 lbs, Carbody weight: 110,200 lbs

256' Boom			276' Boom								
Load Radius (ft)	Boom Angle (deg.)	360 Rated Load (lbs)	Load Radius (ft)	Boom Angle (deg.)	360 Rated Load (lbs)						
46.9	82.0	309,300 *	49.9	82.0	278,600 *						
50.0	81.3	289,200 *	50.0	82.0	277,800 *						
55.0	80.2	259,500 *	55.0	80.9	249,400 *						
60.0	79.1	233,400	60.0	79.8	224,400						
65.0	77.9	211,500	65.0	78.8	203,300						
70.0	76.8	192,800	70.0	77.7	185,300						
75.0	75.6	176,200	75.0	76.6	169,300						
80.0	74.4	161,500	80.0	75.6	155,000						
85.0	73.3	148,400	85.0	74.5	142,300						
90.0	72.1	137,000	90.0	73.4	131,200						
95.0	70.9	126,700	95.0	72.3	121,100						
100.0	69.7	117,400	100.0	71.2	112,000						
110.0	67.3	101,000	110.0	69.0	95,900						
120.0	64.8	87,600	120.0	66.7	82,800						
130.0	62.3	75,600	130.0	64.4	71,300						
140.0	59.7	64,900	140.0	62.1	61,300						
150.0	57.0	55,500	150.0	59.7	52,800						
160.0	54.3	47,600	160.0	57.2	45,000						
170.0	51.4	40,700	170.0	54.7	37,900						
180.0	48.4	34,500	180.0	52.0	31,700						
190.0	45.3	29,000	190.0	49.3	26,300						
200.0	42.0	24,300	200.0	46.5	21,100						
210.0	38.5	19,700	203.4	45.4	19,400						

Note: Loads enclosed in bold lines in the table require double-drum specifications. Refer to supplemental data P14.

Long Boom Lifting Capacities

Unit: lbs

Counterweight: 396,800 lbs, Carbody weight: 110,200 lbs

295' Boom			315' Boom			335' Boom			354' Boom		
Load Radius (ft)	Boom Angle (deg.)	360 Rated Load (lbs)	Load Radius (ft)	Boom Angle (deg.)	360 Rated Load (lbs)	Load Radius (ft)	Boom Angle (deg.)	360 Rated Load (lbs)	Load Radius (ft)	Boom Angle (deg.)	360 Rated Load (lbs)
49.0	82.0	216,000 *	51.8	82.0	185,100 *	54.5	82.0	154,300 *	57.3	82.0	132,200 *
50.0	81.8	214,800 *	55.0	81.4	182,300 *	55.0	81.9	153,900 *	60.0	81.6	128,400 *
55.0	80.8	209,100 *	60.0	80.5	177,900 *	60.0	81.1	150,300 *	65.0	80.7	122,200 *
60.0	79.8	204,000 *	65.0	79.6	173,500 *	65.0	80.2	146,600 *	70.0	79.9	116,000 *
65.0	78.9	199,000 *	70.0	78.6	169,300 *	70.0	79.3	143,000 *	75.0	79.1	110,400 *
70.0	77.9	185,300 *	75.0	77.7	162,600 *	75.0	78.4	139,500 *	80.0	78.3	105,400 *
75.0	76.9	170,700	80.0	76.8	153,200 *	80.0	77.6	136,000 *	85.0	77.4	100,300 *
80.0	75.9	156,700	85.0	75.8	142,200 *	85.0	76.7	132,400 *	90.0	76.6	96,100 *
85.0	74.9	143,800	90.0	74.9	132,200 *	90.0	75.8	128,000 *	95.0	75.8	91,900 *
90.0	73.9	132,800	95.0	73.9	122,700 *	95.0	74.9	120,000 *	100.0	74.9	88,000 *
95.0	72.8	122,900	100.0	73.0	113,800	100.0	74.0	110,600	110.0	73.3	81,800 *
100.0	71.8	114,200	110.0	71.1	97,900	110.0	72.2	95,200	120.0	71.6	75,900 *
110.0	69.8	99,500	120.0	69.1	84,800	120.0	70.4	82,800	130.0	69.8	69,000 *
120.0	67.7	87,100	130.0	67.2	73,900	130.0	68.6	72,500	140.0	68.1	60,800 *
130.0	65.6	76,100	140.0	65.2	64,800	140.0	66.7	63,600	150.0	66.3	50,700 *
140.0	63.4	66,400	150.0	63.2	56,700	150.0	64.9	55,600	160.0	64.6	41,700 *
150.0	61.2	58,000	160.0	61.1	49,700	160.0	63.0	48,600	170.0	62.8	33,500 *
160.0	59.0	50,900 *	170.0	59.0	43,200	170.0	61.0	42,100	180.0	60.9	26,000 *
170.0	56.7	44,300 *	180.0	56.8	37,200	180.0	59.0	36,200	190.0	59.1	19,300 *
180.0	54.3	38,300 *	190.0	54.6	31,900	190.0	57.0	31,000	196.9	57.7	14,900 *
190.0	51.9	32,700 *	200.0	52.4	27,100	200.0	54.9	26,100			
200.0	49.3	28,000 *	210.0	50.0	22,600	210.0	52.8	21,500 *			
210.0	46.7	23,600 *	220.0	47.6	18,500 *	220.0	50.6	17,400 *			
220.0	44.0	19,600 *	229.7	45.2	14,700 *	229.7	48.4	13,600 *			
230.0	41.1	15,700 *									
236.2	39.2	13,600 *									

Note: Refer to supplemental data P14.

STANDARD

LIFTING CAPACITIES

Unit: lbs

Counterweight: 396,800 lbs, Carbody weight: 110,200 lbs

Luffing Jib Lifting Capacities

98' Boom												
Load Radius (ft)	79' Jib		138' Jib		177' Jib		217' Jib		236' Jib		Load Radius (ft)	
	Boom Angle (deg.)		Boom Angle (deg.)		Boom Angle (deg.)		Boom Angle (deg.)		Boom Angle (deg.)			
	86	76	86	76	86	76	86	76	86	76		
50	375,600 *										50	
55	337,800 *										55	
60	306,900 *										60	
65	279,600 *										65	
70	256,900 *		239,400 *								70	
75	235,800 *		227,300 *								75	
80	216,300 *	202,500	212,100 *		187,800 *						80	
85	199,000 *	186,500	197,700 *		187,800 *						85	
90	184,500 *	172,900	183,600		177,800						90	
95		160,900	170,800		167,800		148,300 *				95	
100		150,300	159,700		158,100		146,500 *			132,300 *	100	
110		132,400	140,700		139,300		134,900			129,700 *	110	
120			125,700	115,800	124,200		121,500			119,600	120	
130			112,900	104,000	111,500	102,000	109,000			108,200	130	
140			102,000	94,000	100,700	92,000	98,300			97,300	140	
150			92,900	85,400	91,600	83,400	89,200			87,700	150	
160				78,400	83,900	76,400	80,000 *	73,200		77,000 *	70,600	160
170					76,900 *	70,100	71,100 *	66,600		67,500 *	64,100	170
180					70,000 *	64,500	62,900 *	60,800		59,200 *	58,300	180
190					63,000 *	59,600	55,700 *	55,700		52,000 *	53,200	190
200						55,400	49,600 *	51,400		45,700 *	48,800	200
210							44,200 *	47,500		40,200 *	44,800	210
220							39,500 *	44,000		35,300 *	41,300	220
230								40,900		30,900 *	38,200	230
240								38,400		27,200 *	35,500	240
250											33,100	250

118' Boom												
Load Radius (ft)	79' Jib		138' Jib		177' Jib		217' Jib		236' Jib		Load Radius (ft)	
	Boom Angle (deg.)		Boom Angle (deg.)		Boom Angle (deg.)		Boom Angle (deg.)		Boom Angle (deg.)			
	86	76	86	76	86	76	86	76	86	76		
50	364,200 *										50	
55	331,200 *										55	
60	302,500 *										60	
65	277,100 *										65	
70	254,800 *		233,900 *								70	
75	234,400 *		220,300								75	
80	215,700		206,300		185,800 *						80	
85	198,500		193,800		182,500						85	
90	184,100	169,500	182,200		172,600						90	
95	171,000	157,700	170,400		163,200		147,200 *				95	
100		147,300	159,200		154,500		145,100 *			130,800 *	100	
110		129,700	140,400		138,100		131,500			126,300	110	
120			125,300	113,200	123,500		119,700			116,100	120	
130			112,600	101,600	110,800		108,400			106,000	130	
140			101,800	91,800	100,000	89,400	97,600			96,800	140	
150			92,700	83,400	91,000	81,000	88,500			87,200	150	
160				76,400	83,400	74,100	79,500 *	70,200		76,600 *	70,600	160
170					76,300	68,000	70,600 *	63,700		67,000 *	61,200	170
180					69,300 *	62,500	62,300 *	58,100		58,500 *	55,500	180
190					62,100 *	57,600	55,100 *	53,100		51,100 *	50,500	190
200						53,600	48,800 *	48,800		44,800 *	46,200	200
210							43,300 *	45,000		39,300 *	42,300	210
220							38,300 *	41,600		34,300 *	38,900	220
230								38,500		29,800 *	35,800	230
240								36,000		25,900 *	33,100	240
250											30,800	250
260											28,100 *	260

Note: Loads enclosed in bold lines in the table require double-drum specifications. Refer to supplemental data P15 and P16.

Luffing Jib Lifting Capacities

Unit: lbs

Counterweight: 396,800 lbs, Carbody weight: 110,200 lbs

138' Boom											
Load Radius (ft)	79' Jib		138' Jib		177' Jib		217' Jib		236' Jib		Load Radius (ft)
	Boom Angle (deg.)		Boom Angle (deg.)		Boom Angle (deg.)		Boom Angle (deg.)		Boom Angle (deg.)		
	86	76	86	76	86	76	86	76	86	76	
55	318,900										55
60	292,000										60
65	269,500										65
70	250,500										70
75	232,300		208,600 *								75
80	214,500		200,000		183,700 *						80
85	197,400		188,100		177,200						85
90	183,000		177,600		167,600						90
95	170,100	153,800	168,000		158,500		144,800 *				95
100		143,600	158,800		150,300		141,300		129,400 *		100
110		126,500	140,000		136,000		127,700		122,900		110
120		112,600	125,000		122,400		116,200		112,800		120
130			112,300	99,100	110,100		106,100		102,900		130
140			101,600	89,400	99,400	86,500	96,900		94,100		140
150			92,500	81,200	90,300	78,300	87,900		86,000 *		150
160				74,300	82,700	71,600	78,600 *	66,900	75,600 *		160
170				68,300	75,600 *	65,600	69,700 *	60,600	66,100 *	58,000	170
180					68,400 *	60,200	61,300 *	55,100	57,600 *	52,500	180
190					61,200 *	55,300	54,000 *	50,200	50,200 *	47,600	190
200						51,200 *	47,900 *	46,000	44,000 *	43,400	200
210						47,600 *	42,300 *	42,300	38,300 *	39,600	210
220							37,200 *	39,000	33,200 *	36,300	220
230								36,000	28,700 *	33,200	230
240								33,500 *	24,800 *	30,600	240
250								31,200 *	28,300	28,300	250
260										26,300	260

157' Boom											
Load Radius (ft)	79' Jib		138' Jib		177' Jib		217' Jib		236' Jib		Load Radius (ft)
	Boom Angle (deg.)		Boom Angle (deg.)		Boom Angle (deg.)		Boom Angle (deg.)		Boom Angle (deg.)		
	86	76	86	76	86	76	86	76	86	76	
55	306,900										55
60	281,600										60
65	260,300										65
70	242,200										70
75	226,300		205,000 *								75
80	211,600		193,500		179,600						80
85	196,600		182,100		171,500						85
90	182,300		172,100		162,200						90
95	169,500	150,100	162,900		153,500		141,900 *				95
100		140,100	154,400		145,700		136,800		127,800 *		100
110		123,200	138,600		131,900		123,700		119,200		110
120		109,800	124,100		119,800		112,600		109,100		120
130			111,500	95,900	108,500		102,900		99,700		130
140			100,700	86,400	98,100	83,300	94,400		91,400		140
150			91,600	78,500	89,300	75,400 *	87,000		84,200		150
160				71,800	81,900	68,600 *	77,700 *		74,400 *		160
170				65,900	74,500	62,500 *	68,600 *	57,400	65,000 *	54,700	170
180					67,100 *	57,000 *	60,200 *	52,000	56,500 *	49,300	180
190					59,900 *	52,300 *	52,900 *	47,200	49,100 *	44,500	190
200						48,100 *	46,600 *	43,100	42,700 *	40,500	200
210						44,400 *	41,100 *	39,500	37,000 *	36,800	210
220							36,100 *	36,300 *	31,900 *	33,500	220
230								33,400 *	27,400 *	30,600	230
240								30,800 *	23,500 *	28,100	240
250								28,500 *	25,800	25,800	250
260										23,800 *	260

Note: Loads enclosed in bold lines in the table require double-drum specifications. Refer to supplemental data P15 and P16.

STANDARD

LIFTING CAPACITIES

Unit: lbs

Counterweight: 396,800 lbs, Carbody weight: 110,200 lbs

Luffing Jib Lifting Capacities

177' Boom											
Load Radius (ft)	79' Jib		138' Jib		177' Jib		217' Jib		236' Jib		Load Radius (ft)
	Boom Angle (deg.)		Boom Angle (deg.)		Boom Angle (deg.)		Boom Angle (deg.)		Boom Angle (deg.)		
	86	76	86	76	86	76	86	76	86	76	
60	271,300										60
65	251,100										65
70	233,900										70
75	218,700		199,300								75
80	205,200		187,000								80
85	193,100		176,100								85
90	180,900		166,600		156,300 *						90
95	168,700		157,800		148,700		138,000				95
100		136,200	149,800		141,100		132,200		126,300 *		100
110	119,800	119,800	135,700		127,700		119,600		115,600		110
120		106,600	122,600		116,500		108,900		105,600		120
130			110,600	91,800	106,700		99,500		96,400		130
140			99,800	83,100	97,600		91,400		88,300		140
150			90,900	75,200 *	88,700		84,200		81,300		150
160				68,500 *	81,200	64,300 *	75,600 *		72,400 *		160
170				62,700 *	73,400	58,500 *	66,900 *	53,900 *	63,400 *		170
180				57,500 *	65,600 *	53,300 *	58,700 *	48,700 *	55,000 *	45,900	180
190				52,800 *	58,400 *	48,800 *	51,300 *	44,000 *	47,600 *	41,300	190
200						44,800 *	45,200 *	40,100 *	41,300 *	37,400	200
210						41,200 *	39,700 *	36,600 *	35,700 *	33,800	210
220							34,800 *	33,400 *	30,600 *	30,700	220
230								30,600 *	26,100 *	27,800	230
240								28,000 *	22,200 *	25,300	240
250								25,600 *		23,100	250
260										21,100	260
270										19,400 *	270
280										17,900 *	280

197' Boom											
Load Radius (ft)	79' Jib		138' Jib		177' Jib		217' Jib		236' Jib		Load Radius (ft)
	Boom Angle (deg.)		Boom Angle (deg.)		Boom Angle (deg.)		Boom Angle (deg.)		Boom Angle (deg.)		
	86	76	86	76	86	76	86	76	86	76	
60	261,100										60
65	242,000										65
70	225,700										70
75	211,300		192,400								75
80	198,400		180,700								80
85	186,900		170,300								85
90	176,900		161,000		151,500						90
95	166,800		152,500		143,600						95
100			144,900		136,400		126,700 *				100
110			131,400		123,600		115,300				110
120		103,000 *	120,300		112,800		105,100		100,100 *		120
130		92,200 *	109,400		103,400		96,100		93,100		130
140			99,000	77,900 *	95,100		88,200		85,300		140
150			90,100	70,300 *	87,900		81,300		78,400		150
160				64,000 *	79,900 *	60,500 *	73,200 *		69,800 *		160
170				58,400 *	71,700 *	55,000 *	64,800 *	49,700	61,200 *		170
180				53,400 *	63,600 *	50,100 *	56,800 *	45,200	53,000 *	41,600	180
190				49,000 *	56,600 *	45,700 *	49,500 *	40,700	45,800 *	37,500	190
200						41,800 *	43,500 *	36,900	39,700 *	33,900	200
210						38,300 *	38,100 *	33,500	34,200 *	30,600	210
220						35,100 *	33,200 *	30,400	29,200 *	27,700	220
230								27,700	24,700 *	24,900	230
240								25,300 *	20,900 *	22,500	240
250								23,200 *	17,400 *	20,300	250
260								21,200 *		18,400	260
270										16,700	270
280										15,300	280

Note: Loads enclosed in bold lines in the table require double-drum specifications. Refer to supplemental data P15 and P16.

HEAVY LIFT

BOOM AND JIB ARRANGEMENTS

Heavy Duty Crane Boom Arrangements

Boom length ft (m)	Boom arrangement
118 (36)	※
138 (42)	※

Symbol	Boom Length	Remarks
	29.5 ft (9.0 m)	Boom Base
	26.2 ft (8.0 m)	Tapered Boom
	19.7 ft (6.0 m)	Insert Boom
	39.4 ft (12.0 m)	Insert Boom
	3.3 ft (1.0 m)	Boom Top

↙ mark shows the guy line installing position when the fixed jib is used.

※ indicates the most flexible combination of insert heavy duty booms, which can be modified to form all shorter heavy duty boom arrangements.

Luffing Boom Arrangements for Crane

Boom length ft (m)	Boom arrangement
118 (36)	※
138 (42)	※
157 (48)	※
177 (54)	※
197 (60)	※
217 (66)	※
236 (72)	※
256 (78)	※
276 (84)	※

Symbol	Boom Length	Remarks
	29.5 ft (9.0 m)	Boom Base
	26.2 ft (8.0 m)	Tapered Boom
	19.7 ft (6.0 m)	Insert Boom
	39.4 ft (12.0 m)	Insert Boom
	3.3 ft (1.0 m)	Boom Top

↙ mark shows the guy line installing position when the fixed jib is used.

※ indicates the most flexible combination of insert luffing booms, which can be modified to form all shorter luffing boom arrangements.

Long Boom Arrangements

Boom length ft (m)	Boom arrangement
295 (90)	
315 (96)	※
335 (102)	※
354 (108)	※

Symbol	Boom Length	Remarks
	29.5 ft (9.0 m)	Boom Base
	26.2 ft (8.0 m)	Tapered Boom
	19.7 ft (6.0 m)	Insert Boom
	39.4 ft (12.0 m)	Insert Boom
	16.4 ft (5.0 m)	Luffing Insert Jib
	19.7 ft (6.0 m)	Luffing Insert Jib
	39.4 ft (12.0 m)	Luffing Insert Jib
	26.2 ft (8.0 m)	Boom Top

↙ mark shows the guy line installing position when the fixed jib is used.

※ indicates the most flexible combination of insert long booms, which can be modified to form all shorter long boom arrangements.

Luffing Boom Arrangements for Luffing

Boom length ft (m)	Boom arrangement
118 (36)	※
138 (42)	※
157 (48)	※
177 (54)	※
197 (60)	※
217 (66)	※

Symbol	Boom Length	Remarks
	29.5 ft (9.0 m)	Boom Base
	26.2 ft (8.0 m)	Tapered Boom
	19.7 ft (6.0 m)	Insert Boom
	39.4 ft (12.0 m)	Insert Boom
	3.3 ft (1.0 m)	Boom Top

↗ mark shows the guy line installing position when the fixed jib is used.
 ※ indicates the most flexible combination of insert luffing booms, which can be modified to form all shorter luffing boom arrangements.

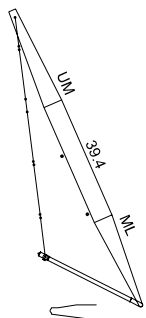
Luffing Jib Arrangements

Jib length ft (m)	Jib arrangement
79 (24)	
98 (30)	※
118 (36)	※
138 (42)	※
157 (48)	※
177 (54)	※
197 (60)	※
217 (66)	※
236 (72)	※

Symbol	Jib Length	Remarks
	32.8 ft (10.0 m)	Jib Base
	19.7 ft (6.0 m)	Luffing Insert Jib
	39.4 ft (12.0 m)	Luffing Insert Jib
	26.2 ft (8.0 m)	Jib Top

↗ mark shows the guy line installing position when the fixed jib is used.
 ※ indicates the most flexible combination of insert luffing jibs, which can be modified to form all shorter luffing jib arrangements.

HL MAST

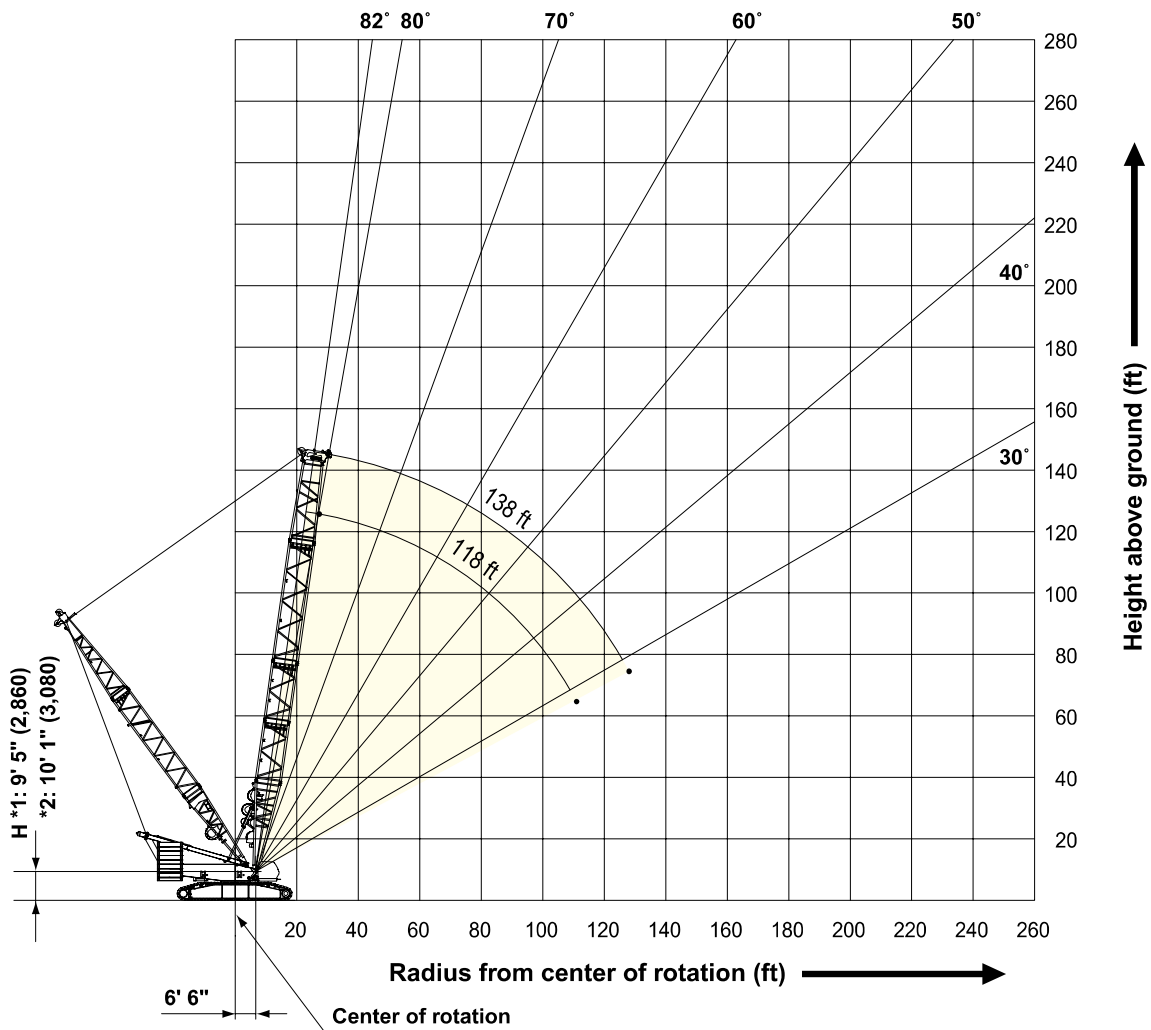


Symbol	Mast Length	Remarks
	29.5 ft (9.0 m)	Mast Base
	39.4 ft (12.0 m)	Insert Mast
	29.5 ft (9.0 m)	Mast Top

HEAVY LIFT

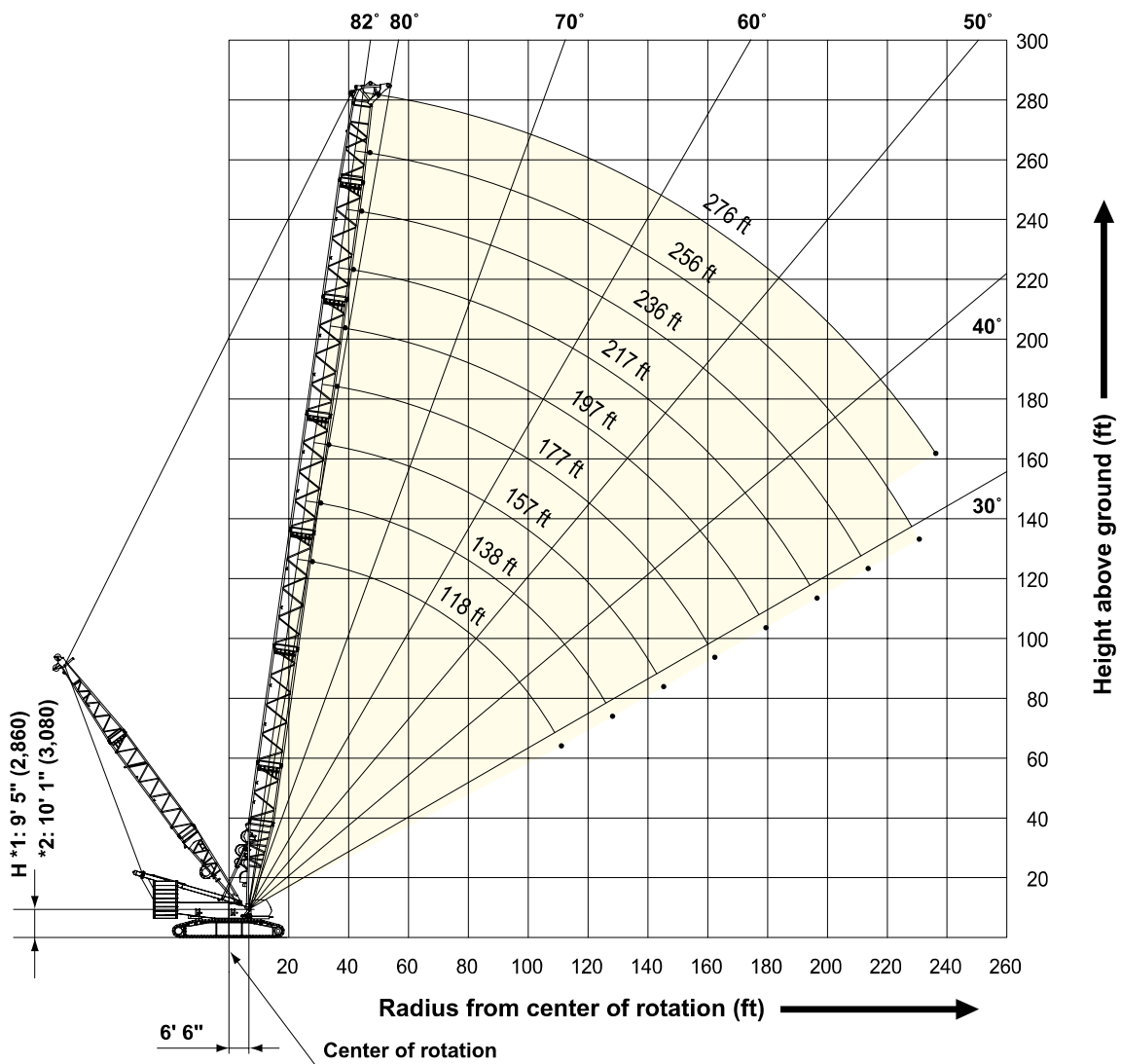
WORKING RANGES

Heavy Duty Crane Boom



1: Without upper/lower connecting device
2: With upper/lower connecting device

Luffing Boom

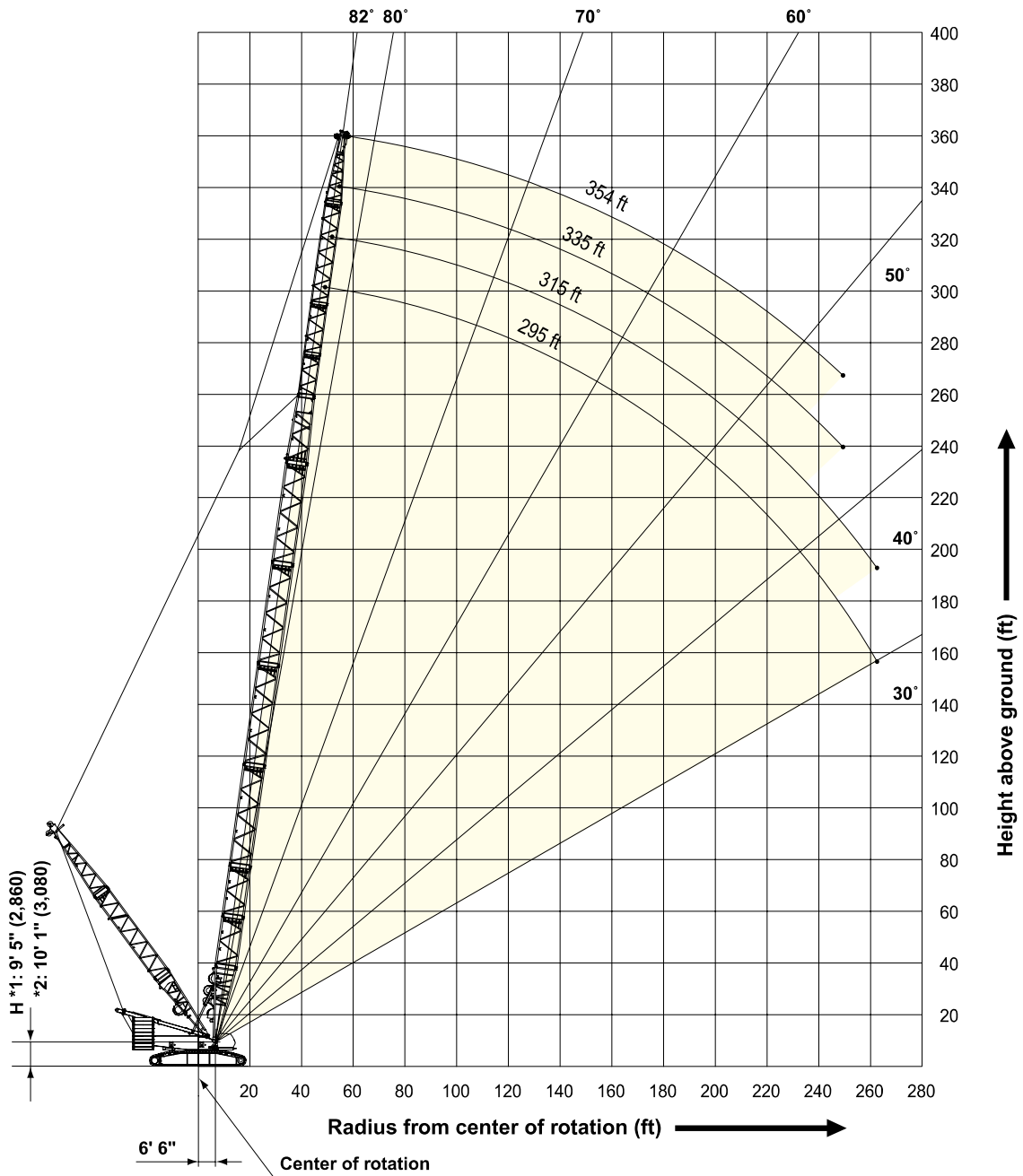


1: Without upper/lower connecting device
2: With upper/lower connecting device

HEAVY LIFT

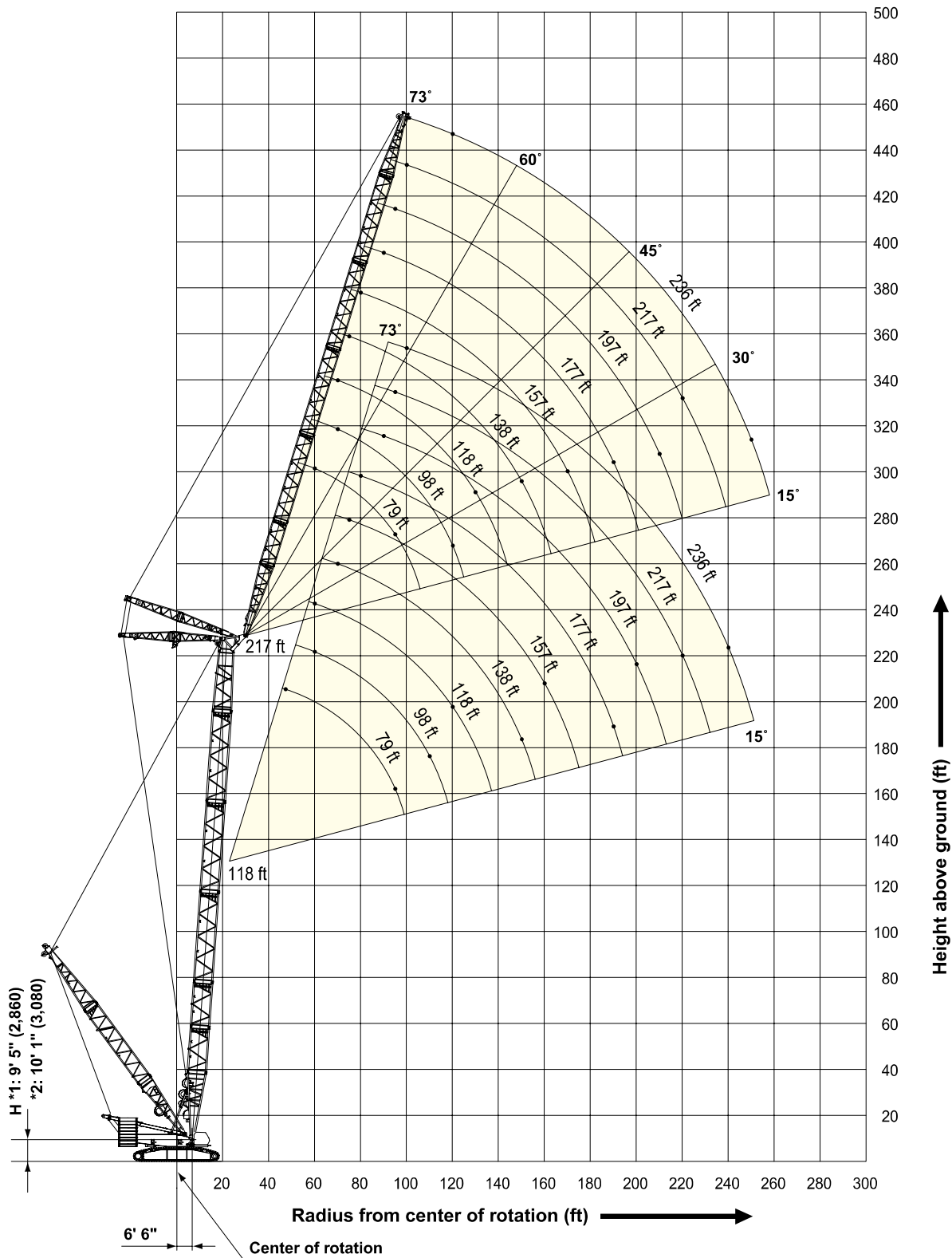
WORKING RANGES

Long Boom



1: Without upper/lower connecting device
2: With upper/lower connecting device

Luffing Jib Boom Angle: 86°

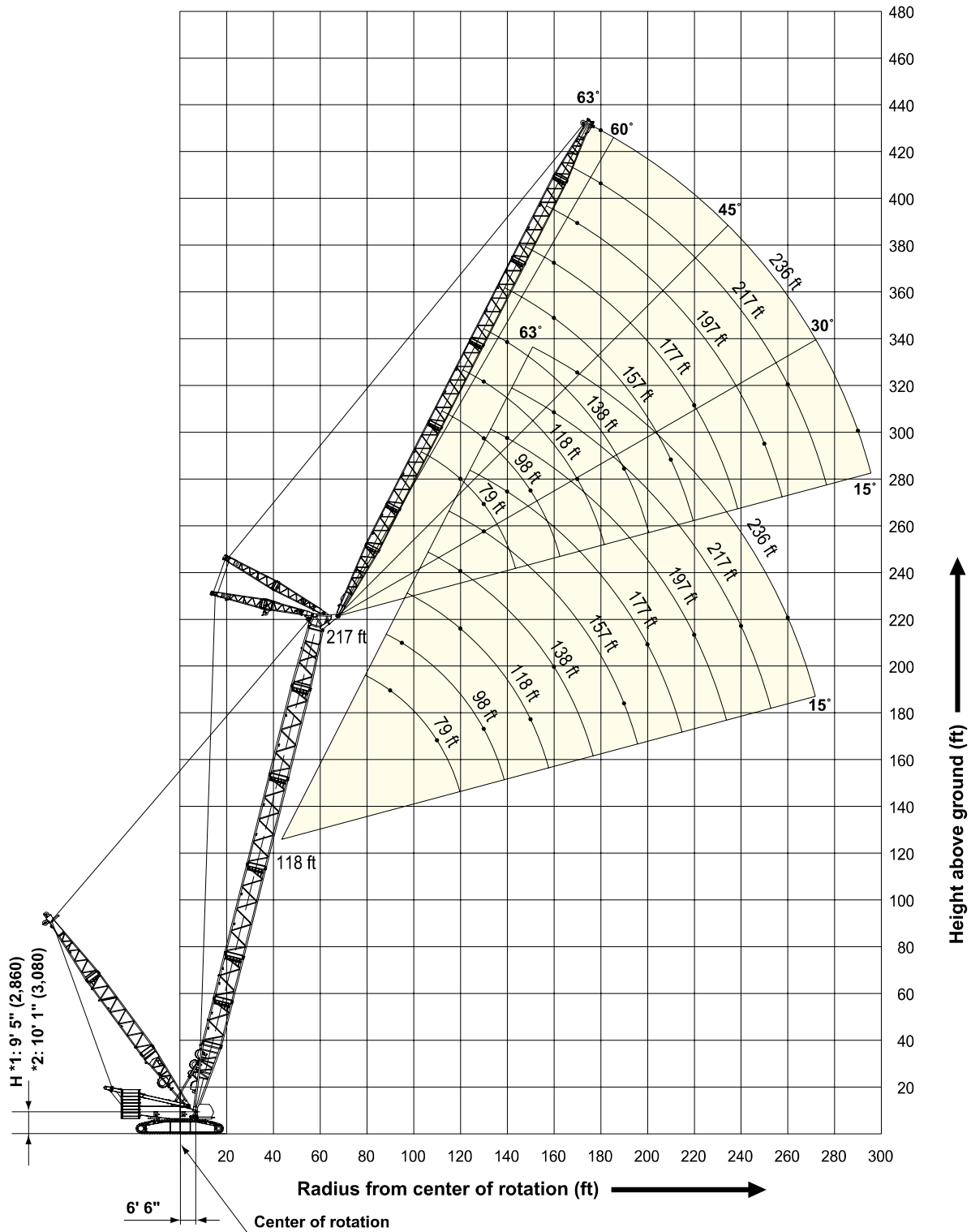


HEAVY LIFT

WORKING RANGES

Luffing Jib

Boom Angle: 76°



1: Without upper/lower connecting device
2: With upper/lower connecting device

HEAVY LIFT

LIFTING CAPACITIES

Heavy Duty Crane Boom Lifting Capacities

Unit: lbs

Counterweight: 396,800 lbs, Carbody weight: 110,200 lbs, HL mast point radius: 36.0 ft to 52.5 ft

118' Boom			138' Boom								
Load Radius (ft)	Boom Angle (deg.)	360 Rated Load (lbs)	Load Radius (ft)	Boom Angle (deg.)	360 Rated Load (lbs)						
27.2	82.0	810,100 *	30.2	81.9	712,700 *						
28.0	81.6	782,500 *	32.0	81.2	657,200 *						
30.0	80.7	713,600 *	34.0	80.3	608,000 *						
32.0	79.7	655,000 *	36.0	79.5	567,000 *						
34.0	78.7	606,900 *	38.0	78.6	526,000 *						
36.0	77.7	565,900 *	40.0	77.8	489,400 *						
38.0	76.7	524,900 *	45.0	75.6	421,000 *						
40.0	75.7	488,300 *	50.0	73.4	368,500 *						
45.0	73.1	420,300 *	55.0	71.2	325,700 *						
50.0	70.5	368,100 *	60.0	69.0	290,700 *						
55.0	67.9	325,700 *	65.0	66.7	262,300 *						
60.0	65.2	290,900 *	70.0	64.4	238,900 *						
65.0	62.5	262,900 *	75.0	62.0	218,500 *						
70.0	59.6	239,400 *	80.0	59.6	200,600 *						
75.0	56.7	219,100 *	85.0	57.1	185,200 *						
80.0	53.7	201,500 *	90.0	54.6	172,100 *						
85.0	50.5	186,100 *	95.0	51.9	160,100 *						
90.0	47.2	172,800 *	100.0	49.1	149,200 *						
95.0	43.7	160,900 *	110.0	43.2	130,900 *						
100.0	39.9	150,000 *	120.0	36.4	115,800 *						
110.0	31.0	131,000 *									
110.9	30.1	129,400 *									

Note: Loads enclosed in bold lines in the table require double-drum specifications. Refer to supplemental data P14.

Luffing Boom Lifting Capacities

Unit: lbs

Counterweight: 396,800 lbs, Carbody weight: 110,200 lbs, HL mast point radius: 36.0 ft to 52.5 ft

118' Boom			138' Boom			157' Boom			177' Boom		
Load Radius (ft)	Boom Angle (deg.)	360 Rated Load (lbs)	Load Radius (ft)	Boom Angle (deg.)	360 Rated Load (lbs)	Load Radius (ft)	Boom Angle (deg.)	360 Rated Load (lbs)	Load Radius (ft)	Boom Angle (deg.)	360 Rated Load (lbs)
27.9	82.0	661,300 *	30.5	82.0	661,300 *	33.5	82.0	618,300 *	36.1	82.0	555,700 *
28.0	81.9	661,300 *	32.0	81.4	642,900 *	34.0	81.8	607,200 *	38.0	81.4	520,400 *
30.0	80.9	657,000 *	34.0	80.6	608,100 *	36.0	81.0	565,800 *	40.0	80.7	486,400 *
32.0	80.0	638,900 *	36.0	79.7	566,600 *	38.0	80.3	524,400 *	45.0	79.1	417,000 *
34.0	79.0	606,900 *	38.0	78.9	525,100 *	40.0	79.5	487,300 *	50.0	77.4	363,900 *
36.0	78.0	565,500 *	40.0	78.0	487,900 *	45.0	77.7	418,100 *	55.0	75.7	320,800 *
38.0	77.0	524,100 *	45.0	75.9	418,900 *	50.0	75.8	365,200 *	60.0	74.0	285,500 *
40.0	76.0	487,100 *	50.0	73.7	366,000 *	55.0	73.9	322,300 *	65.0	72.3	256,600 *
45.0	73.4	418,400 *	55.0	71.5	322,900 *	60.0	72.0	286,800 *	70.0	70.6	233,000 *
50.0	70.8	365,700 *	60.0	69.2	287,500 *	65.0	70.0	258,100 *	75.0	68.9	212,500 *
55.0	68.2	322,800 *	65.0	67.0	259,000 *	70.0	68.0	234,600 *	80.0	67.1	194,600 *
60.0	65.5	287,600 *	70.0	64.7	235,300 *	75.0	66.0	214,000 *	85.0	65.3	179,000 *
65.0	62.8	259,200 *	75.0	62.3	214,700 *	80.0	64.0	196,000 *	90.0	63.5	165,600 *
70.0	59.9	235,700 *	80.0	59.9	196,900 *	85.0	61.9	180,300 *	95.0	61.7	153,500 *
75.0	57.0	215,200 *	85.0	57.4	181,200 *	90.0	59.8	166,900 *	100.0	59.8	142,600 *
80.0	54.0	197,300 *	90.0	54.8	168,000 *	95.0	57.6	154,900 *	110.0	55.9	124,100 *
85.0	50.8	181,700 *	95.0	52.1	155,900 *	100.0	55.4	144,100 *	120.0	51.8	109,000 *
90.0	47.5	168,400 *	100.0	49.4	145,000 *	110.0	50.8	125,600 *	130.0	47.4	96,200 *
95.0	44.0	156,500 *	110.0	43.4	126,700 *	120.0	45.7	110,500 *	140.0	42.7	85,300 *
100.0	40.2	145,600 *	120.0	36.7	111,400 *	130.0	40.2	97,600 *	150.0	37.6	76,000 *
110.0	31.3	126,900 *	128.3	30.1	100,500 *	140.0	33.9	86,800 *	160.0	31.6	67,700 *
111.2	30.1	124,700 *				145.3	30.0	81,500 *	162.4	30.0	65,900 *

197' Boom			217' Boom			236' Boom			256' Boom		
Load Radius (ft)	Boom Angle (deg.)	360 Rated Load (lbs)	Load Radius (ft)	Boom Angle (deg.)	360 Rated Load (lbs)	Load Radius (ft)	Boom Angle (deg.)	360 Rated Load (lbs)	Load Radius (ft)	Boom Angle (deg.)	360 Rated Load (lbs)
38.7	82.0	496,900 *	41.7	82.0	440,200 *	44.3	82.0	392,800 *	46.9	82.0	354,000 *
40.0	81.7	480,900 *	45.0	81.1	404,200 *	45.0	81.8	386,100 *	50.0	81.3	331,500 *
45.0	80.2	415,600 *	50.0	79.7	358,500 *	50.0	80.6	344,800 *	55.0	80.2	298,100 *
50.0	78.7	362,900 *	55.0	78.4	317,200 *	55.0	79.4	309,000 *	60.0	79.1	268,900 *
55.0	77.2	319,600 *	60.0	77.0	280,700 *	60.0	78.1	278,200 *	65.0	77.9	244,300 *
60.0	75.7	284,200 *	65.0	75.6	253,500 *	65.0	76.9	251,500 *	70.0	76.8	223,400 *
65.0	74.2	255,500 *	70.0	74.3	230,000 *	70.0	75.6	228,000 *	75.0	75.6	204,800 *
70.0	72.6	231,800 *	75.0	72.9	209,400 *	75.0	74.4	207,400 *	80.0	74.4	187,900 *
75.0	71.1	211,300 *	80.0	71.5	191,300 *	80.0	73.1	189,300 *	85.0	73.3	172,000 *
80.0	69.5	193,500 *	85.0	70.1	175,700 *	85.0	71.8	173,500 *	90.0	72.1	158,600 *
85.0	68.0	177,900 *	90.0	68.6	162,500 *	90.0	70.5	160,100 *	95.0	70.9	146,500 *
90.0	66.4	164,500 *	95.0	67.2	150,500 *	95.0	69.2	148,200 *	100.0	69.7	135,700 *
95.0	64.7	152,500 *	100.0	65.7	139,700 *	100.0	67.9	137,500 *	110.0	67.3	117,200 *
100.0	63.1	141,700 *	110.0	62.8	121,200 *	110.0	65.2	119,100 *	120.0	64.8	102,000 *
110.0	59.7	123,200 *	120.0	59.7	106,100 *	120.0	62.5	103,900 *	130.0	62.3	89,600 *
120.0	56.3	108,000 *	130.0	56.6	93,400 *	130.0	59.7	91,200 *	140.0	59.7	78,600 *
130.0	52.6	95,100 *	140.0	53.3	82,500 *	140.0	56.8	80,400 *	150.0	57.0	69,100 *
140.0	48.8	84,400 *	150.0	49.8	73,100 *	150.0	53.8	70,900 *	160.0	54.3	60,700 *
150.0	44.7	75,000 *	160.0	46.2	65,000 *	160.0	50.7	62,700 *	170.0	51.4	53,100 *
160.0	40.2	66,900 *	170.0	42.3	57,700 *	170.0	47.4	55,500 *	180.0	48.4	46,300 *
170.0	35.3	59,700 *	180.0	38.1	51,500 *	180.0	44.0	48,900 *	190.0	45.3	40,500 *
179.5	30.0	53,500 *	190.0	33.4	45,700 *	190.0	40.3	43,100 *	200.0	42.0	35,300 *
			196.5	30.0	42,300 *	200.0	36.2	38,200 *	210.0	38.5	30,800 *
						210.0	31.8	33,900 *	220.0	34.6	26,900 *
						213.6	30.0	32,600 *	230.0	30.3	23,200 *
									230.6	30.0	23,100 *

Note: Loads enclosed in bold lines in the table require double-drum specifications. Refer to supplemental data P14.

HEAVY LIFT

LIFTING CAPACITIES

Luffing Boom Lifting Capacities

Unit: lbs

Counterweight: 396,800 lbs, Carbody weight: 110,200 lbs, HL mast point radius: 36.0 ft to 52.5 ft

276' Boom										
Load Radius (ft)	Boom Angle (deg.)	360 Rated Load (lbs)								
49.9	82.0	320,100 *								
50.0	82.0	319,100 *								
55.0	80.9	287,300 *								
60.0	79.8	259,300 *								
65.0	78.8	235,600 *								
70.0	77.7	215,400 *								
75.0	76.6	197,400 *								
80.0	75.6	181,500 *								
85.0	74.5	167,300 *								
90.0	73.4	154,800 *								
95.0	72.3	143,500 *								
100.0	71.2	133,100 *								
110.0	69.0	115,200 *								
120.0	66.7	99,800 *								
130.0	64.4	87,400 *								
140.0	62.1	76,300 *								
150.0	59.7	66,900 *								
160.0	57.2	58,100 *								
170.0	54.7	50,200 *								
180.0	52.0	43,600 *								
190.0	49.3	37,400 *								
200.0	46.5	32,200 *								
210.0	43.5	27,500 *								
220.0	40.3	23,200 *								
230.0	36.9	19,200 *								
236.2	34.6	17,000 *								

Note: Loads enclosed in bold lines in the table require double-drum specifications. Refer to supplemental data P14.

Long Boom Lifting Capacities

Unit: lbs

Counterweight: 396,800 lbs, Carbody weight: 110,200 lbs, HL mast point radius: 36.0 ft to 52.5 ft

295' Boom			315' Boom			335' Boom			354' Boom		
Load Radius (ft)	Boom Angle (deg.)	360 Rated Load (lbs)	Load Radius (ft)	Boom Angle (deg.)	360 Rated Load (lbs)	Load Radius (ft)	Boom Angle (deg.)	360 Rated Load (lbs)	Load Radius (ft)	Boom Angle (deg.)	360 Rated Load (lbs)
49.2	82.0	216,000 *	51.8	82.0	216,000 *	54.5	82.0	185,100 *	57.4	82.0	185,100 *
50.0	81.8	216,000 *	55.0	81.4	216,000 *	55.0	81.9	185,100 *	60.0	81.6	185,100 *
55.0	80.8	216,000 *	60.0	80.5	215,800 *	60.0	81.1	185,100 *	65.0	80.7	185,100 *
60.0	79.8	216,000 *	65.0	79.6	215,000 *	65.0	80.2	185,100 *	70.0	79.9	182,000 *
65.0	78.9	216,000 *	70.0	78.6	200,000	70.0	79.3	185,100 *	75.0	79.1	172,800
70.0	77.9	204,100	75.0	77.7	184,500	75.0	78.4	177,500	80.0	78.3	159,600
75.0	76.9	189,700	80.0	76.8	170,600	80.0	77.6	164,200	85.0	77.4	147,700
80.0	75.9	175,400	85.0	75.8	158,300	85.0	76.7	152,100	90.0	76.6	137,200
85.0	74.9	162,800	90.0	74.9	147,500	90.0	75.8	141,300	95.0	75.8	127,600
90.0	73.9	151,600	95.0	73.9	137,500	95.0	74.9	131,500	100.0	74.9	118,900
95.0	72.8	141,300	100.0	73.0	128,300	100.0	74.0	122,500	110.0	73.3	103,600
100.0	71.8	132,000	110.0	71.1	112,300	110.0	72.2	106,900	120.0	71.6	90,600
110.0	69.8	115,800	120.0	69.1	98,900	120.0	70.4	93,600	130.0	69.8	79,500
120.0	67.7	102,000	130.0	67.2	87,300	130.0	68.6	82,200	140.0	68.1	70,100
130.0	65.6	89,400	140.0	65.2	77,400	140.0	66.7	72,600	150.0	66.3	61,600
140.0	63.4	78,900	150.0	63.2	68,500	150.0	64.9	64,100	160.0	64.6	54,100
150.0	61.2	69,800	160.0	61.1	60,600	160.0	63.0	56,500	170.0	62.8	47,500
160.0	59.0	61,900	170.0	59.0	53,700	170.0	61.0	49,700	180.0	60.9	41,800
170.0	56.7	54,800	180.0	56.8	47,800	180.0	59.0	43,800	190.0	59.1	36,500
180.0	54.3	48,900	190.0	54.6	42,300	190.0	57.0	38,500	200.0	57.1	31,600
190.0	51.9	43,500	200.0	52.4	37,300	200.0	54.9	33,600	210.0	55.2	27,300
200.0	49.3	38,600	210.0	50.0	32,600	210.0	52.8	29,300	220.0	53.2	23,200
210.0	46.7	33,900	220.0	47.6	28,500	220.0	50.6	25,200	230.0	51.1	19,700
220.0	44.0	29,900	230.0	45.1	24,700	230.0	48.4	21,700	240.0	49.0	16,400
230.0	41.1	26,100	240.0	42.4	21,200	240.0	46.0	18,400	249.3	47.0	13,600
240.0	38.0	22,600	250.0	39.6	18,100	249.3	43.7	15,400			
250.0	34.7	19,400	260.0	36.7	15,400						
260.0	31.1	16,600	262.5	35.9	14,700						
262.8	30.1	15,800									

Note: Refer to supplemental data P14.

HEAVY LIFT

LIFTING CAPACITIES

Luffing Jib Lifting Capacities

Unit: lbs

Counterweight: 396,800 lbs, Carbody weight: 110,200 lbs, HL mast point radius: 52.5 ft

118' Boom											
Load Radius (ft)	79' Jib		138' Jib		177' Jib		217' Jib		236' Jib		Load Radius (ft)
	Boom Angle (deg.)		Boom Angle (deg.)		Boom Angle (deg.)		Boom Angle (deg.)		Boom Angle (deg.)		
	86	76	86	76	86	76	86	76	86	76	
47.2	440,900 *										47.2
50	419,900 *										50
55	381,400 *										55
60	345,600 *										60
65	314,800 *										65
70	289,400 *		274,500								70
75	267,200 *		255,800								75
80	247,400 *		239,200		221,600						80
85	228,600 *		224,400		213,200						85
90	212,800 *	197,900	208,800		201,300						90
95	198,500 *	184,600	194,800		190,200		165,500 *				95
100		173,000	182,500		179,700		161,900 *		140,600 *		100
110		153,300	161,300		159,400		153,000		133,300 *		110
120			144,500	132,600	142,600		139,400		124,000 *		120
130			130,400	119,400	128,400 *		126,000		115,100 *		130
140			118,300	108,300	116,300 *	104,200	113,900 *		107,100 *		140
150			108,200 *	98,900	106,100 *	96,100	103,600 *		100,000 *		150
160				91,000	97,500 *	88,400	95,100 *	84,500	93,300 *		160
170					90,000 *	81,400	87,500 *	78,500	86,400	75,100	170
180					83,400 *	75,100	80,700 *	72,200	79,600	71,100	180
190					77,500 *	69,800	74,600 *	66,700	73,800	65,600	190
200						65,000	69,600 *	62,000	68,500	60,900	200
210							65,000 *	57,700	63,900 *	56,600	210
220							60,800 *	53,800	59,700 *	52,700	220
230								50,300	55,800 *	49,000	230
240								47,100	52,500 *	46,000	240
250										43,100	250
260										40,400	260

138' Boom											
Load Radius (ft)	79' Jib		138' Jib		177' Jib		217' Jib		236' Jib		Load Radius (ft)
	Boom Angle (deg.)		Boom Angle (deg.)		Boom Angle (deg.)		Boom Angle (deg.)		Boom Angle (deg.)		
	86	76	86	76	86	76	86	76	86	76	
55	371,200 *										55
60	339,400 *										60
65	312,000 *										65
70	287,100 *										70
75	265,100 *		247,900								75
80	245,600 *		232,000		207,000 *						80
85	227,500 *		217,700		205,300 *						85
90	211,700 *		205,500		195,100						90
95	197,500 *	180,600	193,200		184,700		163,700 *				95
100		169,300	181,400		174,900		160,400 *		133,900 *		100
110		149,800	160,400		157,800		149,200		130,300 *		110
120		134,300	143,600		141,700		136,400		122,800 *		120
130			129,500	116,200	127,500		124,200		114,400 *		130
140			117,500 *	105,300	115,500	101,200	113,000		106,300 *		140
150			107,600 *	96,000	105,400	93,500	102,900		99,800 *		150
160				88,300	96,800 *	85,900	94,400 *	81,700	92,700		160
170				81,600	89,300 *	79,000	86,800 *	76,000	85,800	72,500	170
180					82,700 *	72,900	80,000 *	69,900	79,100	68,900	180
190					76,800 *	67,600	74,000 *	64,500	73,100	63,400	190
200						62,800	68,900 *	59,900	67,900	58,800	200
210						58,700	64,300 *	55,700	63,200 *	54,600	210
220							60,200 *	51,900	59,000 *	50,800	220
230								48,300	55,200 *	47,200	230
240								45,300	51,800 *	44,200	240
250								42,700		41,300	250
260										38,700	260

Note: Loads enclosed in bold lines in the table require double-drum specifications. Refer to supplemental data P15 and P16.

Luffing Jib Lifting Capacities

Unit: lbs

Counterweight: 396,800 lbs, Carbody weight: 110,200 lbs, HL mast point radius: 52.5 ft

157' Boom											
Load Radius (ft)	79' Jib		138' Jib		177' Jib		217' Jib		236' Jib		Load Radius (ft)
	Boom Angle (deg.)		Boom Angle (deg.)		Boom Angle (deg.)		Boom Angle (deg.)		Boom Angle (deg.)		
	86	76	86	76	86	76	86	76	86	76	
55	357,700										55
60	327,600										60
65	302,400										65
70	281,100										70
75	261,800 *		240,200 *								75
80	243,800 *		224,900 *		197,900 *						80
85	226,300 *		211,300 *		194,200 *						85
90	210,600 *		199,300		187,800 *						90
95	196,400 *	176,300	188,400		179,200		146,900 *				95
100		165,200	178,400		170,000		144,600 *		128,100 *		100
110		146,200	159,200		153,500		139,400 *		124,600 *		110
120		130,900	142,800		139,600		130,800		120,500 *		120
130			128,600	112,900	126,700		120,900		113,900 *		130
140			116,600	102,200	114,800	97,800	110,900		105,700 *		140
150			106,700 *	93,200	104,500 *	90,600	102,000 *		99,300 *		150
160				85,600	96,100 *	83,200	93,700 *		92,000		160
170				78,900	88,600 *	76,400	86,100 *	71,000	85,000	68,900	170
180					81,900 *	70,300	79,400 *	67,100	78,500	64,700	180
190					76,200 *	65,100	73,500 *	62,300	72,400	59,800	190
200					60,600	68,300 *	57,700	67,400 *	67,400 *	55,600	200
210					56,600	56,600	63,700 *	53,600	62,800 *	51,700	210
220							59,500 *	49,900	58,600 *	48,200	220
230								46,400	54,700 *	45,000	230
240								43,500	51,400 *	42,200	240
250								40,800		39,500	250
260										36,900	260

177' Boom											
Load Radius (ft)	79' Jib		138' Jib		177' Jib		217' Jib		236' Jib		Load Radius (ft)
	Boom Angle (deg.)		Boom Angle (deg.)		Boom Angle (deg.)		Boom Angle (deg.)		Boom Angle (deg.)		
	86	76	86	76	86	76	86	76	86	76	
60	316,200										60
65	292,200										65
70	271,700										70
75	253,600		232,300 *								75
80	237,600		217,600 *								80
85	223,500		204,700 *								85
90	209,000 *		193,100		173,900 *						90
95	195,300 *		182,700		169,600 *		137,700 *				95
100		160,800	173,300		164,200 *		135,400 *		120,800 *		100
110		142,200	156,600		148,900		130,200 *		117,100 *		110
120		127,200	141,300		135,800		124,400 *		112,900 *		120
130			127,600	108,600	124,200		116,600 *		108,300 *		130
140			115,700	99,000	113,700		107,400		103,100 *		140
150			105,800 *	90,100	103,800 *		99,000		96,300 *		150
160				82,700	95,300 *	79,000	91,700	89,200			160
170				76,200	87,800 *	73,400	85,000 *	67,200	82,700		170
180				70,400	81,200 *	67,900	78,800 *	62,300	76,700	58,900	180
190				65,400	75,500 *	62,700	72,900 *	57,600	71,500	55,400	190
200						58,300	67,800 *	53,600	66,600	51,400	200
210						54,300	63,200 *	49,900	62,100 *	47,700	210
220							59,000 *	46,500	57,900 *	44,300	220
230								43,500	54,100 *	41,300	230
240								40,800	50,700 *	38,400	240
250								38,400 *		36,000	250
260										33,700	260
270										31,500	270
280										29,900	280

Note: Loads enclosed in bold lines in the table require double-drum specifications. Refer to supplemental data P15 and P16.

HEAVY LIFT

LIFTING CAPACITIES

Luffing Jib Lifting Capacities

Unit: lbs

Counterweight: 396,800 lbs, Carbody weight: 110,200 lbs, HL mast point radius: 52.5 ft

197' Boom												
Load Radius (ft)	79' Jib		138' Jib		177' Jib		217' Jib		236' Jib		Load Radius (ft)	
	Boom Angle (deg.)		Boom Angle (deg.)		Boom Angle (deg.)		Boom Angle (deg.)		Boom Angle (deg.)			
	86	76	86	76	86	76	86	76	86	76		
60	304,900										60	
65	282,100										65	
70	262,600										70	
75	245,400		221,600 *								75	
80	230,000		210,600								80	
85	216,400		198,000								85	
90	204,500		187,000		165,000 *						90	
95	193,000 *		176,900		160,900 *						95	
100			167,900		156,100 *			127,500 *			100	
110			151,900		143,800			122,600 *			110	
120		123,500	138,600		131,600			117,300 *		105,400 *	120	
130		111,200	126,300		120,400			111,200 *		101,100 *	130	
140			114,800		110,500			104,200		96,600 *	140	
150			104,700		102,100			95,900		92,100 *	150	
160				93,500						86,000	160	
170				79,500		74,000		88,800		80,000	170	
180				73,300		68,400		82,300	62,400	74,300	180	
190				67,600		63,300		76,500	57,600	69,100	51,000	190
200				62,700		74,600 *		71,300	53,200	64,500	47,100	200
210							54,800	66,800 *	49,300	60,500	43,600	210
220							51,400	62,400 *	45,800	56,700	40,300	220
230							48,300	58,400 *	42,600	53,200	37,300	230
240									37,000	50,200 *	34,800	240
250									34,600	47,200 *	32,400	250
260									32,600		30,200	260
270											28,200	270
280											26,500	280

217' Boom												
Load Radius (ft)	79' Jib		138' Jib		177' Jib		217' Jib		236' Jib		Load Radius (ft)	
	Boom Angle (deg.)		Boom Angle (deg.)		Boom Angle (deg.)		Boom Angle (deg.)		Boom Angle (deg.)			
	86	76	86	76	86	76	86	76	86	76		
65	272,000										65	
70	253,400										70	
75	236,900										75	
80	222,200		206,400 *								80	
85	209,100		191,200								85	
90	197,700		180,900		152,100						90	
95	187,400		171,200		148,500						95	
100			162,400		145,500			120,700 *			100	
110			147,000		137,100			115,800 *			110	
120		117,200	134,100		126,700			110,500 *		98,800 *	120	
130		106,800	122,900		116,400			105,000 *		94,600 *	130	
140			113,000		106,900			99,200 *		90,300 *	140	
150			103,800		98,800			92,500		85,900 *	150	
160				86,800	73,600	91,600	68,200	85,600	81,500 *	81,500 *	160	
170				79,700	68,200	85,400	62,900	79,400	76,700 *		170	
180				73,300	63,400	79,600	58,100	73,900	52,600	71,500	50,300	180
190				59,200	59,200	73,800	53,900	68,900	48,400	66,500	46,100	190
200							50,200	64,500	44,600	62,100	42,600	200
210							46,800	60,500	41,300	58,100	39,300	210
220							43,800	56,800 *	38,200	54,600	36,200	220
230									35,400	51,200	33,400	230
240									33,000	48,200	30,900	240
250									30,800	45,700	28,600	250
260											26,500	260
270											24,500	270
280											22,800	280
290											21,400	290

Note: Loads enclosed in bold lines in the table require double-drum specifications. Refer to supplemental data P15 and P16.

SUPER HEAVY LIFT

BOOM AND JIB ARRANGEMENTS

Heavy Duty Crane Boom Arrangements

Boom length ft (m)	Boom arrangement
118 (36)	※
138 (42)	※

Symbol	Boom Length	Remarks
	29.5 ft (9.0 m)	Boom Base
	26.2 ft (8.0 m)	Tapered Boom
	19.7 ft (6.0 m)	Insert Boom
	39.4 ft (12.0 m)	Insert Boom
	3.3 ft (1.0 m)	Boom Top

↗ mark shows the guy line installing position when the fixed jib is used.

※ indicates the most flexible combination of insert heavy duty booms, which can be modified to form all shorter heavy duty boom arrangements.

Luffing Boom Arrangements for Crane

Boom length ft (m)	Boom arrangement
118 (36)	※
138 (42)	※
157 (48)	※
177 (54)	※
197 (60)	※
217 (66)	※
236 (72)	※
256 (78)	※
276 (84)	※

Symbol	Boom Length	Remarks
	29.5 ft (9.0 m)	Boom Base
	26.2 ft (8.0 m)	Tapered Boom
	19.7 ft (6.0 m)	Insert Boom
	39.4 ft (12.0 m)	Insert Boom
	3.3 ft (1.0 m)	Boom Top

↗ mark shows the guy line installing position when the fixed jib is used.

※ indicates the most flexible combination of insert luffing booms, which can be modified to form all shorter luffing boom arrangements.

Long Boom Arrangements

Boom length ft (m)	Boom arrangement
295 (90)	
315 (96)	※
335 (102)	※
354 (108)	※
374 (114)	※
394 (120)	※
413 (126)	※

Symbol	Boom Length	Remarks
	29.5 ft (9.0 m)	Boom Base
	26.2 ft (8.0 m)	Tapered Boom
	19.7 ft (6.0 m)	Insert Boom
	39.4 ft (12.0 m)	Insert Boom
	16.4 ft (5.0 m)	Luffing Insert Jib
	19.7 ft (6.0 m)	Luffing Insert Jib
	39.4 ft (12.0 m)	Luffing Insert Jib
	26.2 ft (8.0 m)	Boom Top

↗ mark shows the guy line installing position when the fixed jib is used.

※ indicates the most flexible combination of insert long booms, which can be modified to form all shorter long boom arrangements.

Luffing Boom Arrangements for Luffing

Boom length ft (m)	Boom arrangement
118 (36)	※
138 (42)	※
157 (48)	※
177 (54)	※
197 (60)	※
217 (66)	※
236 (72)	※
256 (78)	※
276 (84)	※

Symbol	Boom Length	Remarks
	29.5 ft (9.0 m)	Boom Base
	26.2 ft (8.0 m)	Tapered Boom
	19.7 ft (6.0 m)	Insert Boom
	39.4 ft (12.0 m)	Insert Boom
	3.3 ft (1.0 m)	Boom Top

↗ mark shows the guy line installing position when the fixed jib is used.
 ※ indicates the most flexible combination of insert luffing booms, which can be modified to form all shorter luffing boom arrangements.

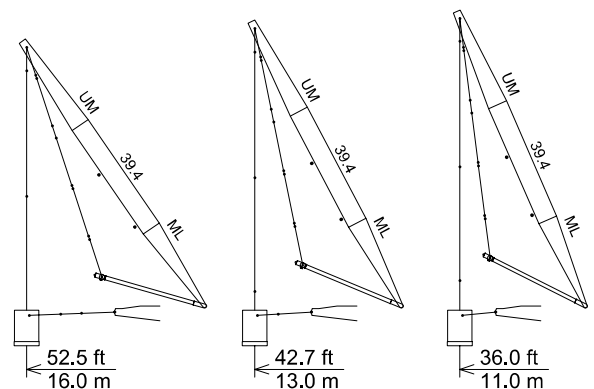
Luffing Jib Arrangements

Jib length ft (m)	Jib arrangement
79 (24)	
98 (30)	※
118 (36)	※
138 (42)	※
157 (48)	※
177 (54)	※
197 (60)	※
217 (66)	※
236 (72)	※
256 (78)	
276 (84)	※

Symbol	Jib Length	Remarks
	32.8 ft (10.0 m)	Jib Base
	19.7 ft (6.0 m)	Luffing Insert Jib
	39.4 ft (12.0 m)	Luffing Insert Jib
	26.2 ft (8.0 m)	Jib Top

↗ mark shows the guy line installing position when the fixed jib is used.
 ※ indicates the most flexible combination of insert luffing jibs, which can be modified to form all shorter luffing jib arrangements.

SHL MAST

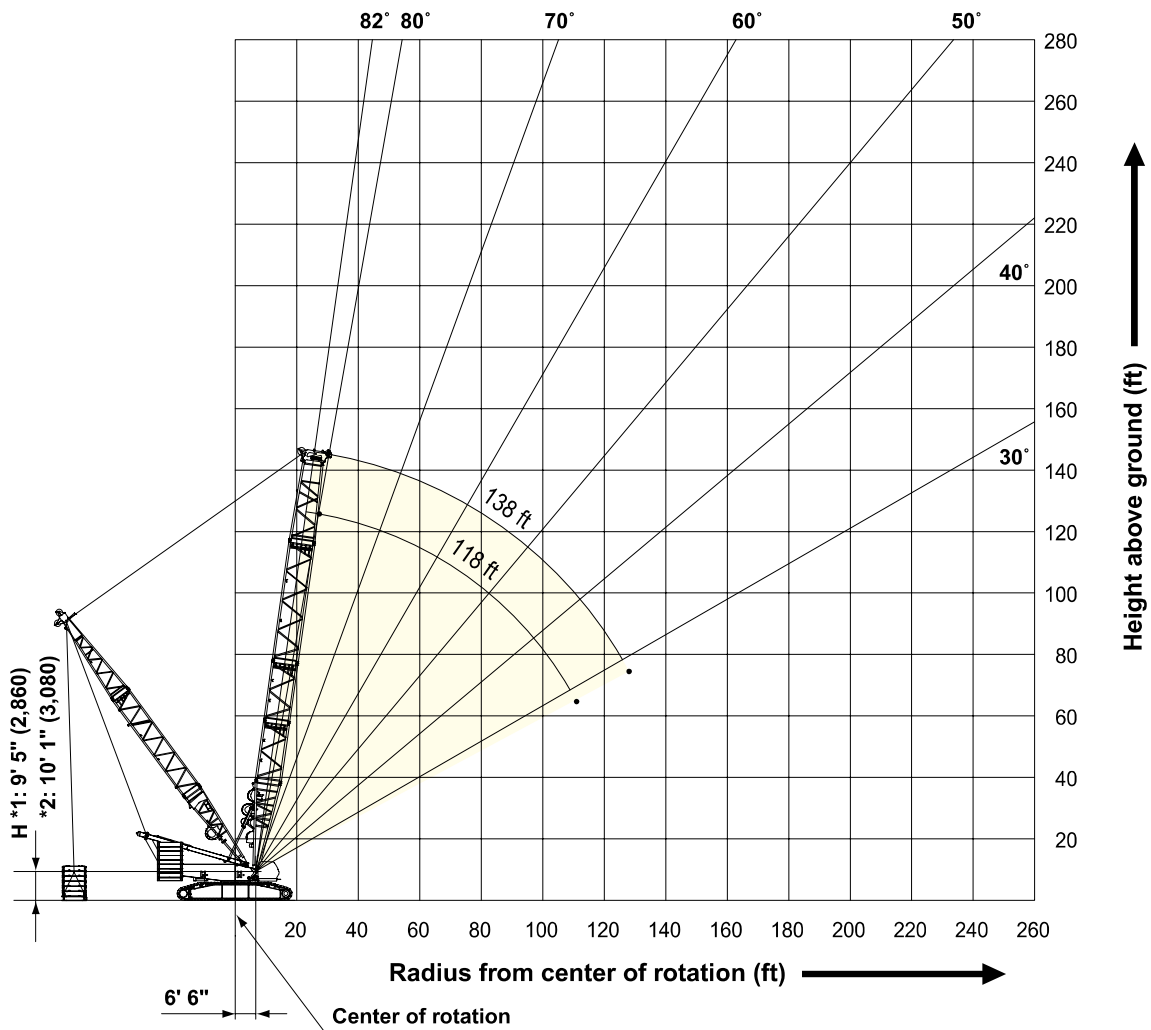


Symbol	Mast Length	Remarks
	29.5 ft (9.0 m)	Mast Base
	39.4 ft (12.0 m)	Insert Mast
	29.5 ft (9.0 m)	Mast Top

SUPER HEAVY LIFT

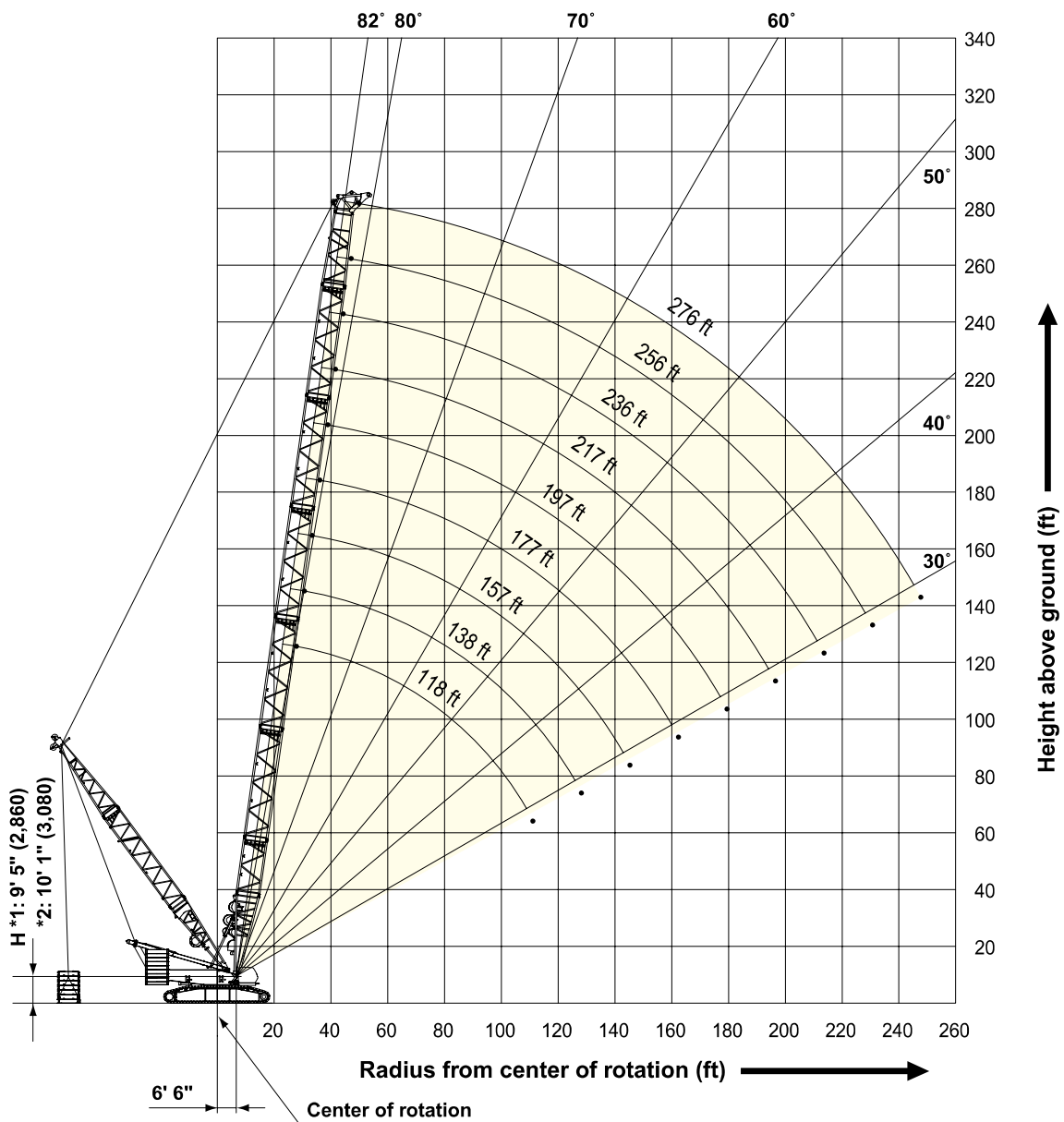
WORKING RANGES

Heavy Duty Crane Boom



- 1: Without upper/lower connecting device
- 2: With upper/lower connecting device

Luffing Boom

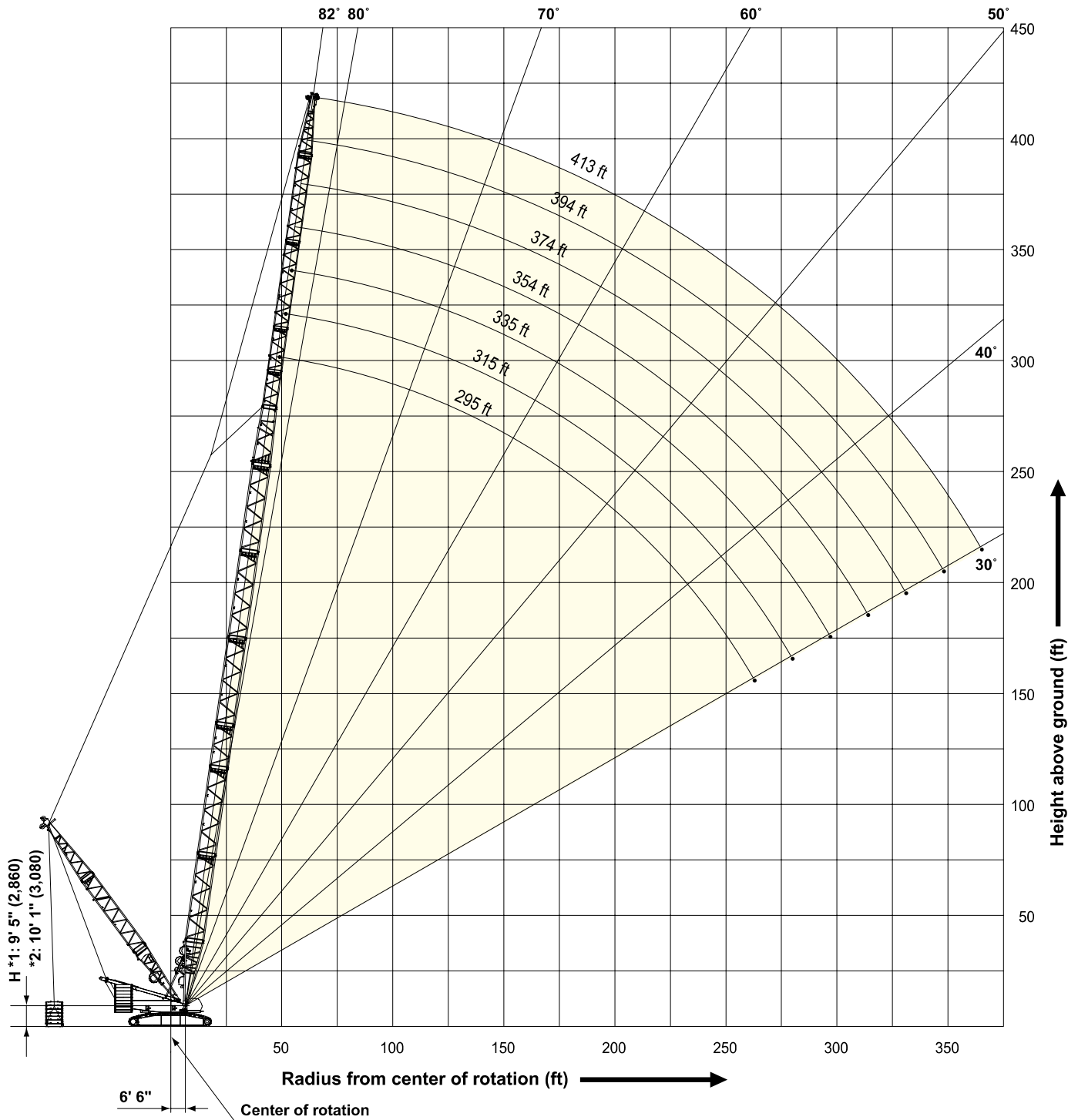


1: Without upper/lower connecting device
2: With upper/lower connecting device

SUPER HEAVY LIFT

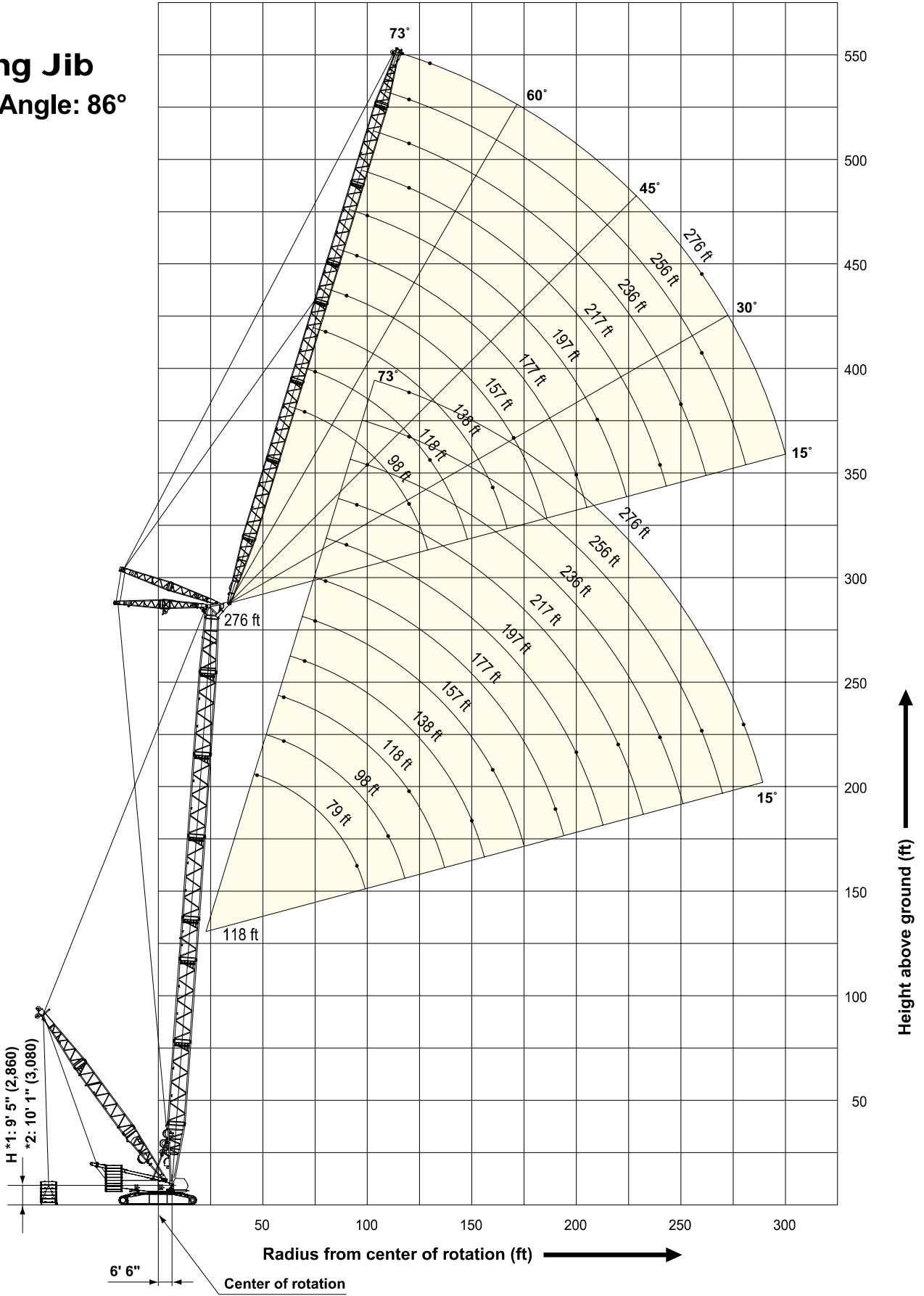
WORKING RANGES

Long Boom



1: Without upper/lower connecting device
 2: With upper/lower connecting device

Luffing Jib Boom Angle: 86°



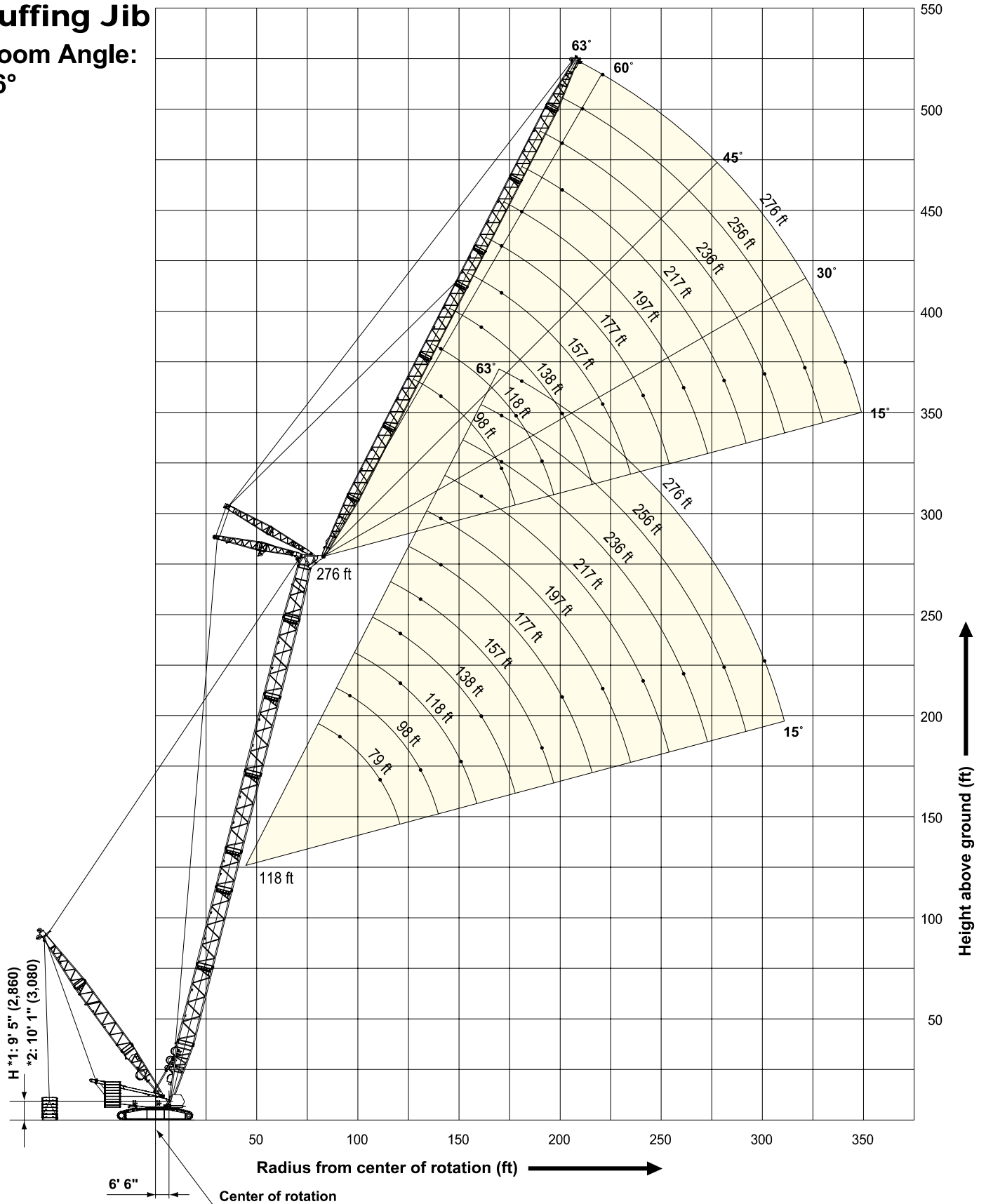
1: Without upper/lower connecting device
2: With upper/lower connecting device

SUPER HEAVY LIFT

WORKING RANGES

Luffing Jib

Boom Angle:
76°



1: Without upper/lower connecting device
2: With upper/lower connecting device

SUPER HEAVY LIFT

LIFTING CAPACITIES

Heavy Duty Crane Boom Lifting Capacities

Unit: lbs

Counterweight: 396,800 lbs, Carbody weight: 110,200 lbs, Palette weight: 551,100 lbs

118' Boom					138' Boom				
Load Radius (ft)	Boom Angle (deg.)	360 Rated Load (lbs)			Load Radius (ft)	Boom Angle (deg.)	360 Rated Load (lbs)		
		Palette Weight Radius					Palette Weight Radius		
		36 ft	42.5 ft	52.5 ft			36 ft	42.5 ft	52.5 ft
27.2	82.0	1,212,500 *	1,212,500 *	1,212,500 *	30.2	81.9	1,153,800 *	1,159,600 *	1,162,400 *
28.0	81.6	1,208,700 *	1,208,700 *	1,208,700 *	32.0	81.2	1,133,400 *	1,148,900 *	1,151,100 *
30.0	80.7	1,190,500 *	1,198,800 *	1,198,800 *	34.0	80.3	1,091,100 *	1,120,700 *	1,139,600 *
32.0	79.7	1,145,100 *	1,188,800 *	1,188,800 *	36.0	79.5	1,035,300 *	1,081,400 *	1,128,700 *
34.0	78.7	1,093,400 *	1,154,300 *	1,174,300 *	38.0	78.6	979,500 *	1,042,100 *	1,117,900 *
36.0	77.7	1,037,600 *	1,103,400 *	1,156,900 *	40.0	77.8	928,500 *	1,001,400 *	1,096,700 *
38.0	76.7	981,800 *	1,052,500 *	1,139,500 *	45.0	75.6	827,100 *	892,400 *	987,600 *
40.0	75.7	930,800 *	1,003,800 *	1,112,400 *	50.0	73.4	745,500 *	804,700 *	892,700 *
45.0	73.1	829,500 *	894,600 *	991,600 *	55.0	71.2	676,900 *	730,800 *	810,900 *
50.0	70.5	747,800 *	806,900 *	894,900 *	60.0	69.0	618,800 *	668,200 *	741,600 *
55.0	67.9	678,800 *	732,900 *	813,200 *	65.0	66.7	570,100	615,800 *	683,700 *
60.0	65.2	619,900 *	670,200 *	743,800 *	70.0	64.4	523,800	571,200 *	634,700 *
65.0	62.5	569,600	617,700 *	685,900 *	75.0	62.0	482,400	529,000 *	590,200 *
70.0	59.6	523,100	571,500 *	636,900 *	80.0	59.6	446,200	489,600 *	549,200 *
75.0	56.7	481,800	528,600 *	588,800 *	85.0	57.1	414,800	455,300 *	511,300 *
80.0	53.7	445,800	488,900 *	541,700 *	90.0	54.6	387,800	426,100 *	478,700 *
85.0	50.5	414,500	453,000 *	498,400 *	95.0	51.9	363,500	399,700 *	449,300 *
90.0	47.2	386,300	418,900 *	458,800 *	100.0	49.1	341,600	375,800 *	421,800 *
95.0	43.7	358,700	387,700 *	420,300 *	110.0	43.2	304,500	334,700 *	369,400 *
100.0	39.9	332,200	359,100 *	383,100 *	120.0	36.4	271,700	293,800 *	317,000 *
110.0	31.0	284,900	308,000 *	313,800 *	128.0	30.1	243,600	263,400 *	275,100 *
110.9	30.1	280,800	303,500 *	307,700 *					

Note: Loads enclosed in bold lines in the table require double-drum specifications. Refer to supplemental data P14.

Luffing Boom Lifting Capacities

Unit: lbs

Counterweight: 396,800 lbs, Carbody weight: 110,200 lbs, Palette weight: 551,100 lbs

118' Boom					138' Boom					157' Boom				
Load Radius (ft)	Boom Angle (deg.)	360 Rated Load (lbs)			Load Radius (ft)	Boom Angle (deg.)	360 Rated Load (lbs)			Load Radius (ft)	Boom Angle (deg.)	360 Rated Load (lbs)		
		Palette Weight Radius					Palette Weight Radius					Palette Weight Radius		
		36 ft	42.5 ft	52.5 ft			36 ft	42.5 ft	52.5 ft			36 ft	42.5 ft	52.5 ft
27.9	82.0	661,300 *	661,300 *	661,300 *	30.5	82.0	661,300 *	661,300 *	661,300 *	33.5	82.0	661,300 *	661,300 *	661,300 *
28.0	81.9	661,300 *	661,300 *	661,300 *	32.0	81.4	661,300 *	661,300 *	661,300 *	34.0	81.8	661,300 *	661,300 *	661,300 *
30.0	80.9	661,300 *	661,300 *	661,300 *	34.0	80.6	661,300 *	661,300 *	661,300 *	36.0	81.0	661,300 *	661,300 *	661,300 *
32.0	80.0	661,300 *	661,300 *	661,300 *	36.0	79.7	661,300 *	661,300 *	661,300 *	38.0	80.3	661,300 *	661,300 *	661,300 *
34.0	79.0	661,300 *	661,300 *	661,300 *	38.0	78.9	661,300 *	661,300 *	661,300 *	40.0	79.5	661,300 *	661,300 *	661,300 *
36.0	78.0	661,300 *	661,300 *	661,300 *	40.0	78.0	661,300 *	661,300 *	661,300 *	45.0	77.7	661,300 *	661,300 *	661,300 *
38.0	77.0	661,300 *	661,300 *	661,300 *	45.0	75.9	661,300 *	661,300 *	661,300 *	50.0	75.8	661,300 *	661,300 *	661,300 *
40.0	76.0	661,300 *	661,300 *	661,300 *	50.0	73.7	661,300 *	661,300 *	661,300 *	55.0	73.9	646,100 *	661,300 *	661,300 *
45.0	73.4	661,300 *	661,300 *	661,300 *	55.0	71.5	646,900 *	661,300 *	661,300 *	60.0	72.0	612,200 *	652,900 *	661,300 *
50.0	70.8	661,300 *	661,300 *	661,300 *	60.0	69.2	614,400 *	653,200 *	661,300 *	65.0	70.0	563,500 *	608,200 *	661,300 *
55.0	68.2	647,800 *	661,300 *	661,300 *	65.0	67.0	565,500 *	610,200 *	661,300 *	70.0	68.0	518,300 *	564,800 *	625,400 *
60.0	65.5	616,100 *	653,500 *	661,300 *	70.0	64.7	519,000 *	566,500 *	626,900 *	75.0	66.0	477,400 *	523,200 *	584,200 *
65.0	62.8	564,900 *	612,200 *	661,300 *	75.0	62.3	477,500 *	524,100 *	585,800 *	80.0	64.0	441,100 *	484,300 *	543,700 *
70.0	59.9	518,200 *	566,900 *	628,200 *	80.0	59.9	441,300 *	484,700 *	544,400 *	85.0	61.9	409,500 *	450,000 *	505,600 *
75.0	57.0	477,000 *	523,800 *	584,600 *	85.0	57.4	409,900 *	450,400 *	506,200 *	90.0	59.8	382,500 *	420,600 *	473,000 *
80.0	54.0	440,900 *	484,100 *	537,700 *	90.0	54.8	382,900 *	421,200 *	473,800 *	95.0	57.6	358,200 *	394,200 *	443,500 *
85.0	50.8	409,700 *	448,500 *	494,200 *	95.0	52.1	358,600 *	394,800 *	444,400 *	100.0	55.4	336,300 *	370,300 *	417,000 *
90.0	47.5	381,900 *	414,500 *	455,000 *	100.0	49.4	336,700 *	371,000 *	417,100 *	110.0	50.8	299,000 *	329,900 *	372,200 *
95.0	44.0	354,400 *	383,300 *	416,400 *	110.0	43.4	299,600 *	330,200 *	364,800 *	120.0	45.7	268,400 *	296,500 *	335,200 *
100.0	40.2	327,800 *	354,700 *	379,100 *	120.0	36.7	267,000 *	289,200 *	312,700 *	130.0	40.2	242,600 *	268,400 *	300,500 *
110.0	31.3	280,600 *	303,800 *	309,900 *	128.3	30.1	237,800 *	257,700 *	269,100 *	140.0	33.9	220,100 *	241,200 *	262,500 *
111.2	30.1	275,100 *	297,800 *	301,500 *						145.3	30.0	207,600 *	225,300 *	240,500 *

177' Boom					197' Boom					217' Boom				
Load Radius (ft)	Boom Angle (deg.)	360 Rated Load (lbs)			Load Radius (ft)	Boom Angle (deg.)	360 Rated Load (lbs)			Load Radius (ft)	Boom Angle (deg.)	360 Rated Load (lbs)		
		Palette Weight Radius					Palette Weight Radius					Palette Weight Radius		
		36 ft	42.5 ft	52.5 ft			36 ft	42.5 ft	52.5 ft			36 ft	42.5 ft	52.5 ft
36.1	82.0	617,200 *	617,200 *	617,200 *	38.7	82.0	617,200 *	617,200 *	617,200 *	41.7	82.0	617,200 *	617,200 *	617,200 *
38.0	81.4	617,200 *	617,200 *	617,200 *	40.0	81.7	617,200 *	617,200 *	617,200 *	45.0	81.1	617,200 *	617,200 *	617,200 *
40.0	80.7	617,200 *	617,200 *	617,200 *	45.0	80.2	617,200 *	617,200 *	617,200 *	50.0	79.7	617,200 *	617,200 *	617,200 *
45.0	79.1	617,200 *	617,200 *	617,200 *	50.0	78.7	617,200 *	617,200 *	617,200 *	55.0	78.4	615,900 *	617,200 *	617,200 *
50.0	77.4	617,200 *	617,200 *	617,200 *	55.0	77.2	617,000 *	617,200 *	617,200 *	60.0	77.0	604,500 *	614,000 *	617,200 *
55.0	75.7	617,200 *	617,200 *	617,200 *	60.0	75.7	607,400 *	614,500 *	617,200 *	65.0	75.6	555,800 *	597,100 *	617,200 *
60.0	74.0	608,200 *	614,800 *	617,200 *	65.0	74.2	558,600 *	599,900 *	617,200 *	70.0	74.3	513,700 *	557,300 *	605,700 *
65.0	72.3	560,700 *	601,700 *	617,200 *	70.0	72.6	515,700 *	560,200 *	607,700 *	75.0	72.9	474,200 *	517,300 *	577,500 *
70.0	70.6	516,700 *	562,200 *	609,000 *	75.0	71.1	475,900 *	519,700 *	580,300 *	80.0	71.5	437,700 *	480,400 *	538,100 *
75.0	68.9	476,300 *	521,200 *	581,900 *	80.0	69.5	439,500 *	482,200 *	540,900 *	85.0	70.1	406,000 *	445,800 *	500,700 *
80.0	67.1	440,000 *	483,100 *	541,900 *	85.0	68.0	407,700 *	447,800 *	502,900 *	90.0	68.6	378,600 *	416,400 *	467,900 *
85.0	65.3	408,400 *	448,100 *	503,800 *	90.0	66.4	380,600 *	418,300 *	470,100 *	95.0	67.2	354,100 *	389,900 *	438,500 *
90.0	63.5	381,200 *	419,100 *	471,200 *	95.0	64.7	356,100 *	391,800 *	440,700 *	100.0	65.7	332,100 *	365,900 *	411,900 *
95.0	61.7	356,900 *	392,600 *	441,900 *	100.0	63.1	334,000 *	367,900 *	414,100 *	110.0	62.8	294,600 *	325,200 *	366,900 *
100.0	59.8	334,900 *	368,800 *	415,400 *	110.0	59.7	296,600 *	327,300 *	369,100 *	120.0	59.7	263,800 *	291,700 *	329,900 *
110.0	55.9	297,600 *	328,300 *	370,400 *	120.0	56.3	265,900 *	293,700 *	332,100 *	130.0	56.6	238,000 *	263,600 *	298,800 *
120.0	51.8	266,900 *	294,800 *	333,500 *	130.0	52.6	240,000 *	265,800 *	301,000 *	140.0	53.3	216,000 *	239,800 *	272,400 *
130.0	47.4	241,100 *	266,900 *	302,300 *	140.0	48.8	218,200 *	242,000 *	274,700 *	150.0	49.8	197,200 *	219,300 *	249,500 *
140.0	42.7	219,100 *	243,000 *	275,900 *	150.0	44.7	199,100 *	221,300 *	252,000 *	160.0	46.2	180,800 *	201,500 *	229,900 *
150.0	37.6	200,200 *	222,500 *	251,500 *	160.0	40.2	182,900 *	203,700 *	232,200 *	170.0	42.3	166,300 *	185,800 *	212,400 *
160.0	31.6	183,800 *	203,100 *	222,300 *	170.0	35.3	168,400 *	187,800 *	214,600 *	180.0	38.1	153,500 *	171,900 *	197,100 *
162.4	30.0	180,100 *	197,700 *	214,500 *	179.5	30.0	156,000 *	174,600 *	192,200 *	190.0	33.4	142,000 *	159,500 *	183,300 *
										196.5	30.0	135,300 *	152,100 *	171,500 *

Note: Loads enclosed in bold lines in the table require double-drum specifications. Refer to supplemental data P14.

SUPER HEAVY LIFT

LIFTING CAPACITIES

Luffing Boom Lifting Capacities

Unit: lbs

Counterweight: 396,800 lbs, Carbody weight: 110,200 lbs, Palette weight: 551,100 lbs

236' Boom			256' Boom			276' Boom								
Load Radius (ft)	Boom Angle (deg.)	360 Rated Load (lbs)			Load Radius (ft)	Boom Angle (deg.)	360 Rated Load (lbs)			Load Radius (ft)	Boom Angle (deg.)	360 Rated Load (lbs)		
		Palette Weight Radius					Palette Weight Radius					Palette Weight Radius		
		36 ft	42.5 ft	52.5 ft			36 ft	42.5 ft	52.5 ft			36 ft	42.5 ft	52.5 ft
44.3	82.0	555,500 *	555,500 *	555,500 *	46.9	82.0	470,600 *	470,600 *	470,600 *	49.9	82.0	402,900 *	402,900 *	402,900 *
45.0	81.8	555,500 *	555,500 *	555,500 *	50.0	81.3	470,600 *	470,600 *	470,600 *	50.0	82.0	402,900 *	402,900 *	402,900 *
50.0	80.6	555,500 *	555,500 *	555,500 *	55.0	80.2	470,600 *	470,600 *	470,600 *	55.0	80.9	402,900 *	402,900 *	402,900 *
55.0	79.4	555,500 *	555,500 *	555,500 *	60.0	79.1	470,600 *	470,600 *	470,600 *	60.0	79.8	402,900 *	402,900 *	402,900 *
60.0	78.1	554,300 *	555,500 *	555,500 *	65.0	77.9	470,600 *	470,600 *	470,600 *	65.0	78.8	402,900 *	402,900 *	402,900 *
65.0	76.9	547,700 *	555,500 *	555,500 *	70.0	76.8	470,600 *	470,600 *	470,600 *	70.0	77.7	402,900 *	402,900 *	402,900 *
70.0	75.6	511,600 *	542,300 *	555,500 *	75.0	75.6	458,600 *	470,600 *	470,600 *	75.0	76.6	402,900 *	402,900 *	402,900 *
75.0	74.4	472,500 *	514,800 *	550,900 *	80.0	74.4	434,500 *	464,800 *	470,600 *	80.0	75.6	402,100 *	402,900 *	402,900 *
80.0	73.1	435,900 *	478,400 *	535,400 *	85.0	73.3	402,500 *	441,600 *	470,600 *	85.0	74.5	398,700 *	402,900 *	402,900 *
85.0	71.8	404,000 *	443,800 *	498,400 *	90.0	72.1	375,300 *	412,700 *	457,200 *	90.0	73.4	373,100 *	400,400 *	402,900 *
90.0	70.5	376,700 *	414,300 *	465,700 *	95.0	70.9	350,700 *	386,000 *	434,500 *	95.0	72.3	348,500 *	383,700 *	402,600 *
95.0	69.2	352,100 *	387,700 *	436,300 *	100.0	69.7	328,500 *	362,000 *	407,900 *	100.0	71.2	326,300 *	359,700 *	397,300 *
100.0	67.9	330,100 *	363,700 *	409,700 *	110.0	67.3	290,900 *	321,300 *	362,800 *	110.0	69.0	288,700 *	318,900 *	360,300 *
110.0	65.2	292,500 *	322,800 *	364,700 *	120.0	64.8	260,000 *	287,700 *	325,700 *	120.0	66.7	257,500 *	285,300 *	323,100 *
120.0	62.5	261,700 *	289,500 *	327,500 *	130.0	62.3	234,000 *	259,600 *	294,600 *	130.0	64.4	231,600 *	257,000 *	292,000 *
130.0	59.7	235,800 *	261,400 *	296,400 *	140.0	59.7	212,100 *	235,700 *	268,100 *	140.0	62.1	209,600 *	233,200 *	265,600 *
140.0	56.8	213,800 *	237,500 *	270,000 *	150.0	57.0	193,200 *	215,200 *	245,300 *	150.0	59.7	190,600 *	212,500 *	242,700 *
150.0	53.8	194,800 *	216,900 *	247,100 *	160.0	54.3	176,700 *	197,300 *	225,500 *	160.0	57.2	174,300 *	194,800 *	223,000 *
160.0	50.7	178,500 *	199,100 *	227,400 *	170.0	51.4	162,200 *	181,600 *	208,200 *	170.0	54.7	159,800 *	179,000 *	205,500 *
170.0	47.4	163,900 *	183,400 *	210,000 *	180.0	48.4	149,500 *	167,800 *	192,800 *	180.0	52.0	147,000 *	165,200 *	190,300 *
180.0	44.0	151,300 *	169,500 *	194,700 *	190.0	45.3	138,100 *	155,300 *	179,100 *	190.0	49.3	135,600 *	152,900 *	176,500 *
190.0	40.3	139,800 *	157,000 *	180,900 *	200.0	42.0	127,800 *	144,400 *	166,900 *	200.0	46.5	125,400 *	141,700 *	164,200 *
200.0	36.2	129,600 *	146,100 *	168,600 *	210.0	38.5	118,500 *	134,200 *	155,800 *	210.0	43.5	116,100 *	131,800 *	153,100 *
210.0	31.8	120,300 *	135,900 *	157,500 *	220.0	34.6	110,300 *	125,200 *	145,600 *	220.0	40.3	107,800 *	122,600 *	143,100 *
213.6	30.0	117,200 *	132,700 *	152,900 *	230.0	30.3	102,700 *	116,900 *	136,400 *	230.0	36.9	100,200 *	114,300 *	133,900 *
					230.6	30.0	102,200 *	116,400 *	136,000 *	240.0	33.1	93,100 *	106,900 *	125,400 *
										247.7	30.0	88,100 *	101,400 *	119,400 *

Note: Loads enclosed in bold lines in the table require double-drum specifications. Refer to supplemental data P14.

Long Boom Lifting Capacities

Unit: lbs

Counterweight: 396,800 lbs, Carbody weight: 110,200 lbs, Palette weight: 551,100 lbs x 36.0 ft to 52.5 ft

295' Boom			315' Boom			335' Boom			354' Boom		
Load Radius (ft)	Boom Angle (deg.)	360 Rated Load (lbs)	Load Radius (ft)	Boom Angle (deg.)	360 Rated Load (lbs)	Load Radius (ft)	Boom Angle (deg.)	360 Rated Load (lbs)	Load Radius (ft)	Boom Angle (deg.)	360 Rated Load (lbs)
49.2	82.0	216,000 *	51.8	82.0	216,000 *	54.8	82.0	185,100 *	57.4	82.0	185,100 *
50.0	81.8	216,000 *	55.0	81.4	216,000 *	55.0	81.9	185,100 *	60.0	81.6	185,100 *
55.0	80.8	216,000 *	60.0	80.5	216,000 *	60.0	81.1	185,100 *	65.0	80.7	185,100 *
60.0	79.8	216,000 *	65.0	79.6	216,000 *	65.0	80.2	185,100 *	70.0	79.9	185,100 *
65.0	78.9	216,000 *	70.0	78.6	216,000 *	70.0	79.3	185,100 *	75.0	79.1	185,100 *
70.0	77.9	216,000 *	75.0	77.7	216,000 *	75.0	78.4	185,100 *	80.0	78.3	185,100 *
75.0	76.9	216,000 *	80.0	76.8	215,900 *	80.0	77.6	185,100 *	85.0	77.4	184,900 *
80.0	75.9	216,000 *	85.0	75.8	215,400 *	85.0	76.7	185,100 *	90.0	76.6	178,900 *
85.0	74.9	216,000 *	90.0	74.9	208,100 *	90.0	75.8	185,100 *	95.0	75.8	172,900 *
90.0	73.9	216,000 *	95.0	73.9	200,900 *	95.0	74.9	185,100 *	100.0	74.9	167,000 *
95.0	72.8	216,000 *	100.0	73.0	193,600 *	100.0	74.0	185,100 *	110.0	73.3	155,800 *
100.0	71.8	215,100 *	110.0	71.1	178,200 *	110.0	72.2	185,100 *	120.0	71.6	144,100 *
110.0	69.8	206,200 *	120.0	69.1	161,800 *	120.0	70.4	176,300 *	130.0	69.8	133,600 *
120.0	67.7	194,600 *	130.0	67.2	145,200 *	130.0	68.6	165,900 *	140.0	68.1	124,600 *
130.0	65.6	184,900 *	140.0	65.2	129,600 *	140.0	66.7	155,100 *	150.0	66.3	117,400 *
140.0	63.4	172,800 *	150.0	63.2	115,500 *	150.0	64.9	145,400 *	160.0	64.6	111,500 *
150.0	61.2	160,900 *	160.0	61.1	104,200 *	160.0	63.0	136,900 *	170.0	62.8	105,300 *
160.0	59.0	150,400 *	170.0	59.0	96,900 *	170.0	61.0	129,200 *	180.0	60.9	100,200 *
170.0	56.7	142,000 *	180.0	56.8	91,600 *	180.0	59.0	122,100 *	190.0	59.1	95,300 *
180.0	54.3	134,200 *	190.0	54.6	86,900 *	190.0	57.0	115,100 *	200.0	57.1	90,600 *
190.0	51.9	126,900 *	200.0	52.4	82,800 *	200.0	54.9	108,800 *	210.0	55.2	85,700 *
200.0	49.3	120,500 *	210.0	50.0	79,300 *	210.0	52.8	103,800 *	220.0	53.2	81,700 *
210.0	46.7	115,500 *	220.0	47.6	76,800 *	220.0	50.6	100,200 *	230.0	51.1	78,200 *
220.0	44.0	111,800 *	230.0	45.1	74,600 *	230.0	48.4	96,600 *	240.0	49.0	75,200 *
230.0	41.1	108,200 *	240.0	42.4	72,700 *	240.0	46.0	93,200 *	250.0	46.8	72,500 *
240.0	38.0	104,900 *	250.0	39.6	70,900 *	250.0	43.6	90,100 *	260.0	44.6	69,500 *
250.0	34.7	101,800 *	260.0	36.7	69,500 *	260.0	41.0	86,600 *	270.0	42.2	67,600 *
260.0	31.1	98,400 *	270.0	33.5	68,400 *	270.0	38.3	84,400 *	280.0	39.7	66,000 *
262.8	30.1	97,400 *	279.9	30.1	67,400 *	280.0	35.4	82,800 *	290.0	37.1	64,400 *
						290.0	32.4	81,100 *	300.0	34.3	63,000 *
						296.9	30.1	79,800 *	310.0	31.3	62,000 *
									314.0	30.0	61,700 *

Note: Refer to supplemental data P14.

SUPER HEAVY LIFT

LIFTING CAPACITIES

Long Boom Lifting Capacities

Unit: lbs

Counterweight: 396,800 lbs, Carbody weight: 110,200 lbs, Palette weight: 551,100 lbs x 36.0 ft to 52.5 ft

374' Boom			394' Boom			413' Boom					
Load Radius (ft)	Boom Angle (deg.)	360 Rated Load (lbs)	Load Radius (ft)	Boom Angle (deg.)	360 Rated Load (lbs)	Load Radius (ft)	Boom Angle (deg.)	360 Rated Load (lbs)			
60.0	82.0	176,300 *	63.0	82.0	154,300 *	65.6	82.0	132,200 *			
65.0	81.2	175,100 *	65.0	81.7	154,300 *	70.0	81.4	131,200 *			
70.0	80.5	174,000 *	70.0	80.9	154,300 *	75.0	80.7	129,900 *			
75.0	79.7	172,800 *	75.0	80.2	153,600 *	80.0	80.0	128,600 *			
80.0	78.9	171,600 *	80.0	79.5	152,500 *	85.0	79.3	127,400 *			
85.0	78.1	170,400 *	85.0	78.7	151,500 *	90.0	78.6	126,100 *			
90.0	77.3	169,300 *	90.0	78.0	150,300 *	95.0	77.8	122,200 *			
95.0	76.5	168,100 *	95.0	77.2	149,100 *	100.0	77.1	117,100 *			
100.0	75.7	166,900 *	100.0	76.5	147,600 *	110.0	75.7	108,100 *			
110.0	74.2	160,700 *	110.0	75.0	140,400 *	120.0	74.3	99,200 *			
120.0	72.6	151,000 *	120.0	73.5	131,100 *	130.0	72.8	92,900 *			
130.0	70.9	141,500 *	130.0	71.9	122,500 *	140.0	71.4	88,600 *			
140.0	69.3	133,200 *	140.0	70.4	114,400 *	150.0	69.9	84,500 *			
150.0	67.7	124,500 *	150.0	68.8	107,900 *	160.0	68.4	80,500 *			
160.0	66.0	116,400 *	160.0	67.3	102,900 *	170.0	66.9	76,700 *			
170.0	64.3	111,200 *	170.0	65.7	98,300 *	180.0	65.4	73,300 *			
180.0	62.6	106,700 *	180.0	64.1	94,600 *	190.0	63.9	70,200 *			
190.0	60.8	102,400 *	190.0	62.4	91,000 *	200.0	62.3	67,600 *			
200.0	59.1	98,100 *	200.0	60.8	87,600 *	210.0	60.7	65,200 *			
210.0	57.3	94,100 *	210.0	59.1	84,600 *	220.0	59.1	63,200 *			
220.0	55.4	91,100 *	220.0	57.4	82,100 *	230.0	57.5	61,400 *			
230.0	53.5	88,200 *	230.0	55.6	79,800 *	240.0	55.8	59,800 *			
240.0	51.6	85,400 *	240.0	53.8	77,600 *	250.0	54.1	58,300 *			
250.0	49.6	82,700 *	250.0	52.0	75,500 *	260.0	52.4	57,100 *			
260.0	47.6	80,200 *	260.0	50.1	73,800 *	270.0	50.6	55,900 *			
270.0	45.4	78,300 *	270.0	48.2	72,200 *	280.0	48.8	54,900 *			
280.0	43.2	76,700 *	280.0	46.2	70,900 *	290.0	46.9	54,000 *			
290.0	40.9	75,400 *	290.0	44.2	69,700 *	300.0	45.0	52,900 *			
300.0	38.5	74,200 *	300.0	42.0	68,700 *	310.0	43.0	52,100 *			
310.0	36.0	73,100 *	310.0	39.8	67,700 *	320.0	40.9	51,200 *			
320.0	33.3	70,800 *	320.0	37.4	66,900 *	330.0	38.7	50,200 *			
330.0	30.4	67,400 *	330.0	35.0	65,700 *	340.0	36.4	49,200 *			
331.0	30.0	67,000 *	340.0	32.3	62,500 *	350.0	34.0	48,700 *			
			348.1	30.0	59,900 *	360.0	31.4	48,200 *			
						365.2	30.0	48,000 *			

Note: Refer to supplemental data P14.

Luffing Jib Lifting Capacities

Unit: lbs

Counterweight: 396,800 lbs, Carbody weight: 110,200 lbs, Palette weight: 286,600 lbs x 52.5 ft

118' Boom													
Load Radius (ft)	79' Jib		138' Jib		177' Jib		217' Jib		256' Jib		276' Jib		Load Radius (ft)
	Boom Angle (deg.)		Boom Angle (deg.)		Boom Angle (deg.)		Boom Angle (deg.)		Boom Angle (deg.)		Boom Angle (deg.)		
	86	76	86	76	86	76	86	76	86	76	86	76	
47.2	440,900 *												47.2
50	419,900 *												50
55	390,200 *												55
60	371,700 *												60
65	361,400 *												65
70	352,400 *												70
75	346,000 *												75
80	338,700 *												80
85	322,600 *												85
90	295,600 *	332,700 *											90
95	252,500 *	323,500 *											95
100		312,000 *											100
110		280,800 *											110
120													120
130													130
140													140
150													150
160													160
170													170
180													180
190													190
200													200
210													210
220													220
230													230
240													240
250													250
260													260
270													270
280													280
290													290
300													300

138' Boom													
Load Radius (ft)	79' Jib		138' Jib		177' Jib		217' Jib		256' Jib		276' Jib		Load Radius (ft)
	Boom Angle (deg.)		Boom Angle (deg.)		Boom Angle (deg.)		Boom Angle (deg.)		Boom Angle (deg.)		Boom Angle (deg.)		
	86	76	86	76	86	76	86	76	86	76	86	76	
55	403,600 *												55
60	388,200 *												60
65	375,600 *												65
70	366,200 *												70
75	356,500 *												75
80	343,700 *												80
85	323,700 *												85
90	300,900 *												90
95	266,800 *												95
100		325,300 *											100
110		307,500 *											110
120		276,600 *											120
130		251,500 *											130
140													140
150													150
160													160
170													170
180													180
190													190
200													200
210													210
220													220
230													230
240													240
250													250
260													260
270													270
280													280
290													290
300													300

Note: Loads enclosed in bold lines in the table require double-drum specifications. Refer to supplemental data P15 and P16.

SUPER HEAVY LIFT

LIFTING CAPACITIES

Unit: lbs

Luffing Jib Lifting Capacities

Counterweight: 396,800 lbs, Carbody weight: 110,200 lbs, Palette weight: 286,600 lbs x 52.5 ft

157' Boom													
Load Radius (ft)	79' Jib		138' Jib		177' Jib		217' Jib		256' Jib		276' Jib		Load Radius (ft)
	Boom Angle (deg.)		Boom Angle (deg.)		Boom Angle (deg.)		Boom Angle (deg.)		Boom Angle (deg.)		Boom Angle (deg.)		
	86	76	86	76	86	76	86	76	86	76	86	76	
55	414,200 *												55
60	398,400 *												60
65	385,500 *												65
70	370,600 *												70
75	352,300 *												75
80	332,100 *		258,700 *										80
85	313,300 *		250,700 *										85
90	296,300 *		233,600 *										90
95	275,400 *		225,000 *										95
100		320,000 *	216,400 *										100
110		272,100 *	199,600 *					146,900 *					110
120		247,300 *	183,800 *					144,600 *					120
130			169,200 *					139,400 *					130
140			155,900 *	219,200 *				133,800 *			107,000 *		140
150			144,100 *	185,900 *				127,800 *			103,700 *		150
160			172,900 *	172,900 *	150,800 *			121,600 *			100,100 *		160
170			161,200 *	185,900 *	131,500 *			115,200 *			96,400 *		170
180			107,700 *	146,800 *	123,100 *	168,700 *	109,100 *	102,800 *	150,400 *		88,700 *		180
190			101,100 *	137,600 *	115,100 *	157,100 *	92,000 *	92,000 *	81,000 *	108,100 *	81,200 *		190
200			129,500 *	129,500 *	107,700 *	146,800 *	87,200 *	124,600 *	77,300 *	102,900 *	72,200 *	83,500 *	200
210			122,200 *	122,200 *	101,100 *	137,600 *	82,500 *	117,200 *	73,700 *	98,000 *	69,200 *	80,000 *	210
220			78,200 *	109,600 *	96,900 *	141,700 *	96,900 *	141,700 *	84,800 *	111,200 *	78,400 *		220
230								100,900 *	81,000 *	108,100 *	75,200 *	72,400 *	230
240			93,000 *	63,800 *	87,200 *	124,600 *	78,200 *	109,600 *	70,200 *	93,500 *	66,100 *	76,100 *	240
250			85,600 *	60,900 *				85,600 *	60,900 *	82,100 *	56,700 *	66,000 *	250
260			57,700 *	63,800 *	60,900 *	82,100 *	57,700 *	63,800 *	85,600 *	60,300 *	69,200 *	63,000 *	260
270									73,700 *	43,600 *	60,300 *		270
280									68,300 *	36,900 *	57,800 *		280
290									63,200 *		55,400 *		290
300											53,200 *		300

177' Boom													
Load Radius (ft)	79' Jib		138' Jib		177' Jib		217' Jib		256' Jib		276' Jib		Load Radius (ft)
	Boom Angle (deg.)		Boom Angle (deg.)		Boom Angle (deg.)		Boom Angle (deg.)		Boom Angle (deg.)		Boom Angle (deg.)		
	86	76	86	76	86	76	86	76	86	76	86	76	
60	392,300 *												60
65	371,200 *												65
70	350,600 *												70
75	330,900 *												75
80	312,000 *												80
85	294,200 *												85
90	278,300 *												90
95	263,900 *												95
100		296,600 *											100
110		266,700 *											110
120		242,500 *											120
130		155,200 *											130
140		142,800 *											140
150		131,900 *											150
160		169,100 *											160
170		157,700 *											170
180		147,500 *											180
190		138,400 *											190
200													200
210													210
220													220
230													230
240													240
250													250
260													260
270													270
280													280
290													290
300													300
310													310
320													320

Note: Loads enclosed in bold lines in the table require double-drum specifications. Refer to supplemental data P15 and P16.

Luffing Jib Lifting Capacities

Unit: lbs

Counterweight: 396,800 lbs, Carbody weight: 110,200 lbs, Palette weight: 286,600 lbs x 52.5 ft

197' Boom													
Load Radius (ft)	79' Jib		138' Jib		177' Jib		217' Jib		256' Jib		276' Jib		Load Radius (ft)
	Boom Angle (deg.)		Boom Angle (deg.)		Boom Angle (deg.)		Boom Angle (deg.)		Boom Angle (deg.)		Boom Angle (deg.)		
	86	76	86	76	86	76	86	76	86	76	86	76	
60	352,400 *												60
65	334,600 *												65
70	317,200 *												70
75	300,400 *		223,600 *										75
80	284,300 *		216,600 *										80
85	269,200 *		209,400 *										85
90	255,300 *		202,000 *			165,000 *							90
95	242,700 *		194,600 *			160,900 *							95
100			187,300 *			156,600 *		127,500 *					100
110			172,800 *			147,700 *		122,600 *					110
120		237,900 *	159,400 *			138,700 *		117,300 *		95,500 *		86,100 *	120
130		217,600 *	146,900 *			129,900 *		111,800 *		92,300 *		83,700 *	130
140			135,600 *			121,400 *		106,100 *		88,900 *		81,100 *	140
150			125,600 *			113,300 *		100,300 *		85,200 *		78,300 *	150
160				192,900 *		105,900 *	161,200 *	94,800 *		81,500 *		75,200 *	160
170				178,100 *		99,000 *	150,000 *	89,400 *		77,700 *		72,300 *	170
180				165,600 *		92,700 *	140,100 *	84,400 *		74,000 *		69,400 *	180
190				154,500 *		87,200 *	131,400 *	79,700 *		70,600 *		66,400 *	190
200				144,500 *			123,600 *	75,300 *		67,200 *	102,800 *	63,400 *	200
210				135,600 *			116,600 *	71,100 *		64,000 *	100,500 *	60,500 *	210
220							110,100 *	67,300 *		60,900 *	97,400 *	57,700 *	220
230										57,800 *	92,800 *	55,200 *	230
240										94,000 *	88,800 *	52,700 *	240
250										89,100 *	84,800 *	49,800 *	250
260										80,700 *	80,700 *	44,800 *	260
270										83,600 *	76,500 *	37,000 *	270
280											72,700 *	30,300 *	280
290											67,700 *	57,700 *	290
300											62,400 *	55,300 *	300
310												52,000 *	310
320												43,800 *	320

217' Boom														
Load Radius (ft)	79' Jib		138' Jib		177' Jib		217' Jib		256' Jib		276' Jib		Load Radius (ft)	
	Boom Angle (deg.)		Boom Angle (deg.)		Boom Angle (deg.)		Boom Angle (deg.)		Boom Angle (deg.)		Boom Angle (deg.)			
	86	76	86	76	86	76	86	76	86	76	86	76		
65	305,900 *												65	
70	290,400 *												70	
75	275,400 *		206,400 *										75	
80	261,100 *		200,000 *										80	
85	247,500 *		193,300 *										85	
90	235,000 *		186,200 *			152,100 *							90	
95	223,500 *		179,300 *			148,500 *							95	
100			172,500 *			145,500 *		120,700 *					100	
110			159,400 *			137,100 *		115,800 *					110	
120		232,400 *	147,000 *			128,700 *		110,500 *		89,800 *			120	
130		212,500 *	135,500 *			120,300 *		105,000 *		86,600 *		77,800 *	130	
140			125,200 *			112,300 *		99,500 *		83,200 *		75,200 *	140	
150			116,100 *			104,900 *		93,900 *		79,600 *		72,300 *	150	
160				173,700 *		98,000 *	154,300 *	88,700 *		76,000 *		69,400 *	160	
170				161,400 *		91,600 *	146,100 *	83,700 *		72,400 *		66,600 *	170	
180				140,600 *		85,800 *	136,400 *	78,900 *		68,900 *		63,700 *	180	
190				132,000 *		80,600 *	127,600 *	74,400 *		65,500 *		60,700 *	190	
200							120,200 *	70,200 *		62,200 *	97,600 *	58,000 *	200	
210							113,400 *	66,400 *		108,100 *	95,300 *	55,300 *	84,500 *	210
220							107,000 *	62,900 *		101,800 *	93,200 *	52,600 *	81,400 *	220
230										96,100 *	53,200 *	50,100 *	77,200 *	230
240										90,900 *	50,700 *	47,800 *	73,500 *	240
250										86,200 *	48,400 *	45,600 *	70,100 *	250
260										81,900 *	45,900 *	41,200 *	66,800 *	260
270											73,900 *	33,700 *	63,800 *	270
280											70,200 *	27,000 *	61,200 *	280
290											66,800 *	21,200 *	58,500 *	290
300											62,400 *		55,900 *	300
310													52,500 *	310
320													43,400 *	320

Note: Loads enclosed in bold lines in the table require double-drum specifications. Refer to supplemental data P15 and P16.

SUPER HEAVY LIFT

LIFTING CAPACITIES

Unit: lbs

Luffing Jib Lifting Capacities

Counterweight: 396,800 lbs, Carbody weight: 110,200 lbs, Palette weight: 286,600 lbs x 52.5 ft

236' Boom														
Load Radius (ft)	79' Jib		138' Jib		177' Jib		217' Jib		256' Jib		276' Jib		Load Radius (ft)	
	Boom Angle (deg.)		Boom Angle (deg.)		Boom Angle (deg.)		Boom Angle (deg.)		Boom Angle (deg.)		Boom Angle (deg.)			
	86	76	86	76	86	76	86	76	86	76	86	76		
65	282,000 *												65	
70	268,700 *												70	
75	255,800 *												75	
80	243,200 *		184,700 *										80	
85	231,100 *		178,700 *										85	
90	220,100 *		172,600 *		143,600 *								90	
95	209,900 *		166,500 *		140,000 *								95	
100			160,400 *		136,300 *			112,100 *					100	
110			148,600 *		128,600 *			107,600 *					110	
120	226,600 *		137,500 *		120,800 *			102,800 *		84,600 *			120	
130	207,200 *		127,300 *		113,300 *			97,700 *		81,600 *		73,200 *	130	
140			117,800 *	182,900 *	106,000 *			92,500 *		78,400 *		70,800 *	140	
150			109,400 *	168,800 *	99,100 *			87,500 *		75,000 *		68,100 *	150	
160			102,700 *	156,800 *	92,700 *			82,800 *		71,600 *		65,400 *	160	
170				146,200 *	86,800 *	141,800 *		78,200 *		68,300 *		62,500 *	170	
180				136,700 *	81,500 *	132,300 *		73,800 *	119,300 *	65,000 *		59,600 *	180	
190				128,300 *	76,600 *	123,900 *		69,700 *	113,200 *	61,800 *		57,100 *	190	
200				120,900 *		116,600 *		65,700 *	109,800 *	58,700 *	92,600 *	54,400 *	200	
210						109,800 *		62,100 *	104,400 *	55,800 *	90,600 *	52,000 *	80,600 *	210
220						103,600 *		58,900 *	98,300 *	53,000 *	88,600 *	49,600 *	79,500 *	220
230						98,100 *		92,800 *	92,800 *	50,400 *	87,300 *	47,300 *	78,800 *	230
240						93,100 *		87,900 *	87,900 *	48,000 *	83,500 *	44,600 *	75,200 *	240
250								83,300 *	83,300 *	45,800 *	79,200 *	41,900 *	71,700 *	250
260								79,000 *	79,000 *	42,700 *	75,000 *	37,300 *	68,300 *	260
270											71,000 *	30,000 *	65,100 *	270
280											67,500 *	23,400 *	62,300 *	280
290											64,100 *		59,600 *	290
300											60,200 *		56,900 *	300
310													53,000 *	310
320													42,700 *	320
330													33,200 *	330

256' Boom														
Load Radius (ft)	98' Jib		138' Jib		177' Jib		217' Jib		256' Jib		276' Jib		Load Radius (ft)	
	Boom Angle (deg.)		Boom Angle (deg.)		Boom Angle (deg.)		Boom Angle (deg.)		Boom Angle (deg.)		Boom Angle (deg.)			
	86	76	86	76	86	76	86	76	86	76	86	76		
70	222,500 *												70	
75	213,500 *												75	
80	204,500 *												80	
85	195,600 *		170,300 *										85	
90	187,000 *		165,000 *										90	
95	178,800 *		159,300 *										95	
100	170,800 *		148,200 *		128,800 *			104,400 *					100	
110	155,500 *		137,400 *		125,400 *			100,100 *					110	
120	139,400 *		127,200 *		111,100 *			95,500 *		79,100 *			120	
130		199,200 *	117,900 *		104,100 *			90,800 *		76,200 *		68,400 *	130	
140		182,200 *	109,400 *		97,300 *			86,000 *		73,100 *		65,900 *	140	
150		165,100 *	101,600 *		91,100 *			81,300 *		69,900 *		63,200 *	150	
160		148,300 *	95,400 *	151,700 *	85,400 *			76,700 *		66,700 *		60,700 *	160	
170				139,300 *	80,000 *	137,300 *		72,400 *		63,500 *		58,100 *	170	
180				127,100 *	75,000 *	127,600 *		68,200 *	112,300 *	60,400 *		55,500 *	180	
190				116,200 *	70,600 *	117,500 *		64,000 *	109,600 *	57,400 *		52,900 *	190	
200				106,100 *	67,100 *	108,600 *		60,800 *	105,800 *	54,500 *		50,400 *	200	
210						100,300 *		57,600 *	100,700 *	51,800 *	85,600 *	48,000 *	76,100 *	210
220						92,700 *		54,600 *	95,100 *	49,100 *	83,300 *	45,700 *	75,100 *	220
230						85,700 *			89,700 *	46,600 *	80,800 *	43,500 *	74,200 *	230
240						79,000 *			84,900 *	44,400 *	79,500 *	41,500 *	72,300 *	240
250									80,400 *	42,400 *	76,200 *	38,200 *	70,200 *	250
260									76,200 *	39,000 *	72,200 *	33,000 *	68,000 *	260
270									72,400 *		68,400 *	26,000 *	65,600 *	270
280									68,800 *		64,900 *	19,800 *	63,100 *	280
290											61,600 *		60,700 *	290
300											57,800 *		56,800 *	300
310											52,400 *		50,400 *	310
320											42,700 *		40,900 *	320
330													31,900 *	330

Note: Loads enclosed in bold lines in the table require double-drum specifications. Refer to supplemental data P15 and P16.

Luffing Jib Lifting Capacities

Unit: lbs

Counterweight: 396,800 lbs, Carbody weight: 110,200 lbs, Palette weight: 286,600 lbs x 52.5 ft

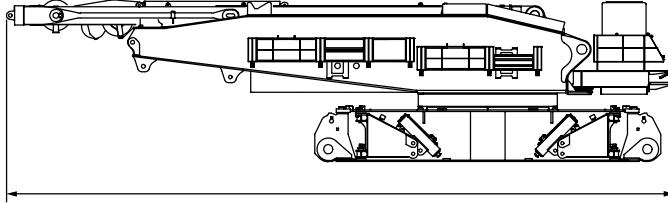
276' Boom													
Load Radius (ft)	98' Jib		138' Jib		177' Jib		217' Jib		256' Jib		276' Jib		Load Radius (ft)
	Boom Angle (deg.)		Boom Angle (deg.)		Boom Angle (deg.)		Boom Angle (deg.)		Boom Angle (deg.)		Boom Angle (deg.)		
	86	76	86	76	86	76	86	76	86	76	86	76	
75	193,400 *		165,300 *										75
80	181,800 *		160,300 *										80
85	171,200 *		155,100 *										85
90	161,600 *												90
95	152,600 *		149,400 *		120,400 *								95
100	144,400 *		143,400 *		117,300 *								100
110	129,300 *		131,400 *		110,900 *								110
120	115,600 *		119,800 *		104,400 *			86,600 *		72,800 *			120
130			109,000 *		98,000 *			82,400 *		70,100 *		64,300 *	130
140		158,500 *	99,200 *		91,900 *			78,200 *		67,200 *		62,000 *	140
150		141,700 *	90,500 *		86,200 *			74,000 *		64,200 *		59,500 *	150
160		127,200 *	82,200 *	129,300 *	80,800 *			69,900 *		61,300 *		57,000 *	160
170		113,500 *		117,600 *	75,900 *	116,200 *		66,100 *		58,300 *		54,400 *	170
180				107,100 *	70,900 *	106,400 *		62,400 *		55,400 *		52,000 *	180
190				97,700 *	65,200 *	97,600 *		58,900 *		52,700 *		49,600 *	190
200				89,200 *	59,600 *	90,100 *	55,700 *	96,300 *		50,200 *		47,400 *	200
210						92,600 *	83,000 *	92,600 *	78,900 *	47,700 *		45,200 *	210
220						76,600 *	52,900 *	88,700 *	45,300 *	77,000 *	43,100 *	70,600 *	220
230						70,500 *	47,700 *	84,500 *	43,100 *	74,600 *	40,900 *	69,100 *	230
240						65,000 *	45,700 *	80,400 *	41,100 *	73,300 *	39,000 *	68,100 *	240
250								76,300 *	39,200 *	71,100 *	34,500 *	66,500 *	250
260								71,100 *	35,500 *	68,400 *	28,500 *	64,500 *	260
270								64,600 *		65,300 *		62,300 *	270
280								57,800 *		62,000 *		59,800 *	280
290										57,300 *		56,900 *	290
300										52,200 *		52,900 *	300
310										46,900 *		47,300 *	310
320										40,000 *		38,500 *	320
330												30,200 *	330
340												22,100 *	340

Note: Loads enclosed in bold lines in the table require double-drum specifications. Refer to supplemental data P15 and P16.

TRANSPORTATION PLAN

Base Machine

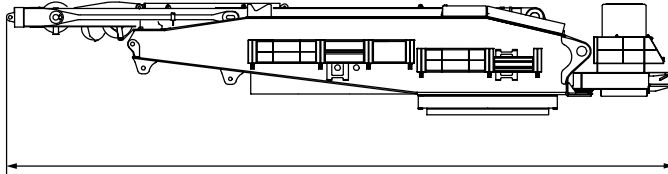
Base machine with mast and lower translifter without upper/lower connecting devices.



Weight	141,000 lbs
Width	9' 10"
Height	11' 2"
(Machine)	
Length	46' 9"

Upper Structure

Upper structure with mast and upper/lower connecting devices.



Weight	99,900 lbs
Width	9' 10"
Height	7' 9"
(Machine)	
Length	46' 9"

Upper translifter: 5,300 lbs

Lower translifter: 5,100 lbs

Upper connecting device: 2,000 lbs

Lower connecting device: 5,500 lbs

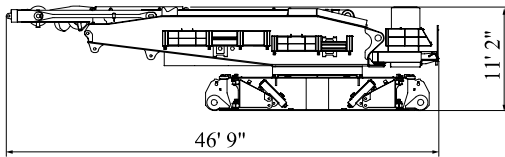
HYDRAULIC CRAWLER CRANE PARTS AND ATTACHMENTS

Dimensions: ft-in (mm) Weight: lbs (kg)

Base Machine

With mast and lower transfliter without upper/lower connecting devices.

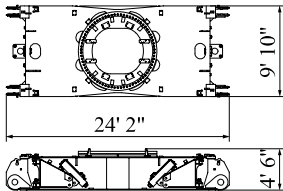
Weight: 141,000 lbs (64,000 kg) Width: 9' 10" (3,000 mm)



Carbody

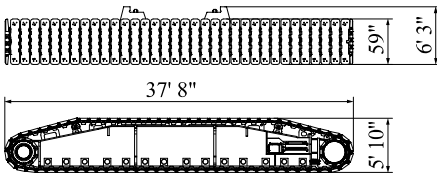
With upper/lower connecting devices.

Weight: 49,900 lbs (22,610 kg) Width: 9' 10" (2,990 mm)



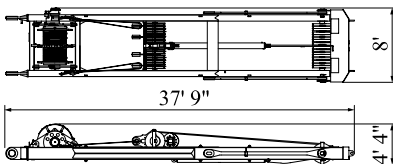
Crawler

Weight: 88,200 lbs (40,000 kg) Width: 59" (1,500 mm)



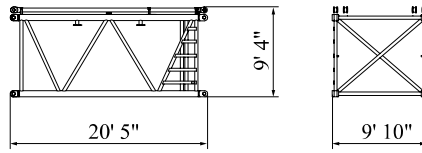
Crane Mast (Standard)

Weight: 27,500 lbs (12,460 kg)



19.7 ft (6 m) Insert Boom

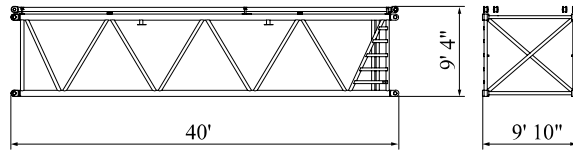
With 19.7 ft (6 m) guy line x 4
Weight: 8,300 lbs (3,760 kg)



39.4 ft (12 m) Insert Boom

With 39.4 ft (12 m) guy line x 4

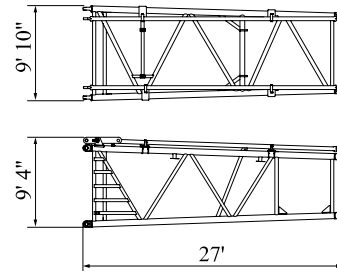
Weight: 14,500 lbs (6,570 kg)



26.2 ft (8 m) Tapered Boom

With 26.2 ft (8 m) guy line x 2

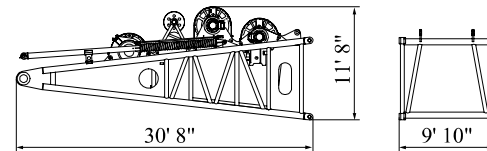
Weight: 11,400 lbs (5,150 kg)



29.5 ft (9 m) Boom Base

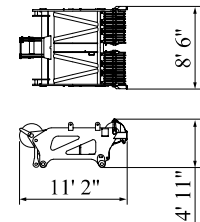
With H1, H2 and W2 winches including ropes, guide sheave, and boom backstop

Weight: 62,700 lbs (28,440 kg)



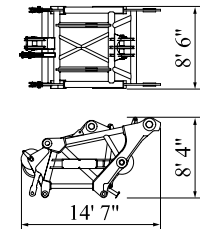
Heavy Boom Top

Weight: 10,800 lbs (4,910 kg)



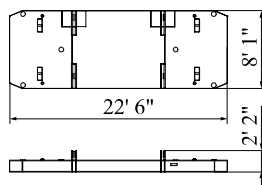
Luffing Boom Top

Weight: 12,200 lbs (5,520 kg)



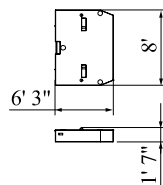
Base Counterweight

Weight: 44,100 lbs (20,000 kg)



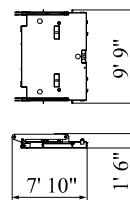
Counterweight

Weight: 22,100 lbs (10,000 kg)



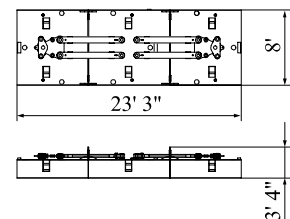
Base Carbody Weight

Weight: 11,900 lbs (5,400 kg)



Base Pallet Weight

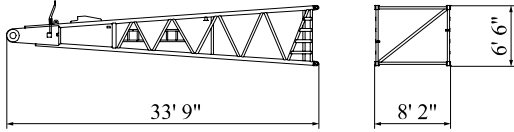
Weight: 24,300 lbs (11,000 kg)



Dimensions: ft-in (mm) Weight: lbs (kg)

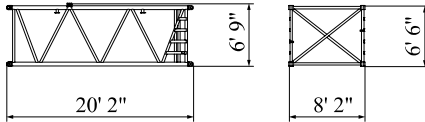
32.8 ft (10 m) Jib Base

Weight: 8,300 lbs (3,780 kg)



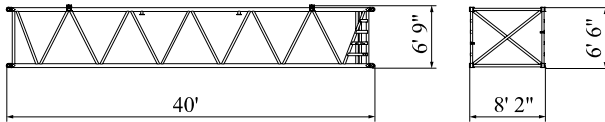
19.7 ft (6 m) Insert Jib

Weight: 3,200 lbs (1,470 kg)



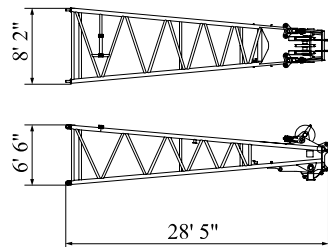
39.4 ft (12 m) Insert Jib

Weight: 5,900 lbs (2,680 kg)



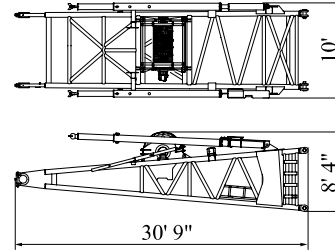
26.2 ft (8 m) Jib Top

Weight: 8,100 lbs (3,690 kg)



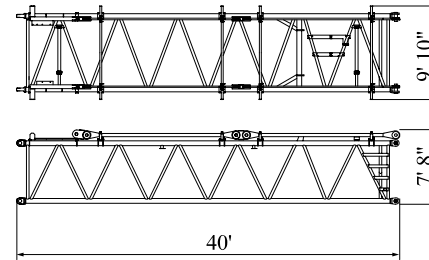
29.5 ft (8 m) Mast Base

Weight: 30,200 lbs (13,700 kg)



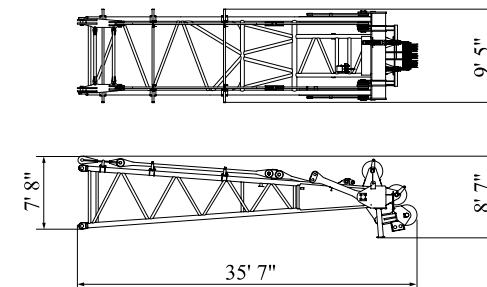
39.4 ft (12 m) Insert Mast

With guy line
Weight: 12,500 lbs (5,650 kg)



29.5 ft (9 m) Mast Top

With guy line
Weight: 22,200 lbs (10,080 kg)



Other Attachments

Attachments	Weight	Dimensions (L x W x H)
Hanger sheave	4,410 lbs (2,010 kg)	9' (2,760 mm) x 7' (2,130 mm) x 2' 6" (760 mm)
16.4 ft (5 m) insert boom for long boom	3,900 lbs (1,790 kg)	17' (5,180 mm) x 8' 2" (2,490 mm) x 7' 4" (2,230 mm)
Rear strut base	4,400 lbs (1,990 kg)	22' 5" (6,820 mm) x 8' 6" (2,590 mm) x 5' 4" (1,620 mm)
Rear strut top	5,300 lbs (2,410 kg)	23' 2" (7,060 mm) x 5' (1,530 mm) x 4' 7" (1,390 mm)
Front strut base	4,100 lbs (1,840 kg)	24' 6" (7,460 mm) x 5' 5" (1,640 mm) x 4' 4" (1,330 mm)
Front strut top	6,700 lbs (3,040 kg)	26' 6" (8,080 mm) x 5' (1,530 mm) x 6' 10" (2,090 mm)
Auxiliary sheave	1,400 lbs (650 kg)	7' 10" (2,380 mm) x 3' 8" (1,130 mm) x 3' (910 mm)

Note: Estimated weights may vary ± 2%.



HYDRAULIC CRAWLER CRANE
SL6000

Note: Standard equipment may vary depending on your areas or countries.

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