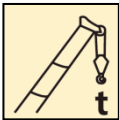


# XCA275\_U ALL TERRAIN CRANE

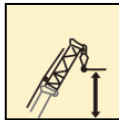
## Technical specifications



275 USt



239.5 ft



354.3 ft

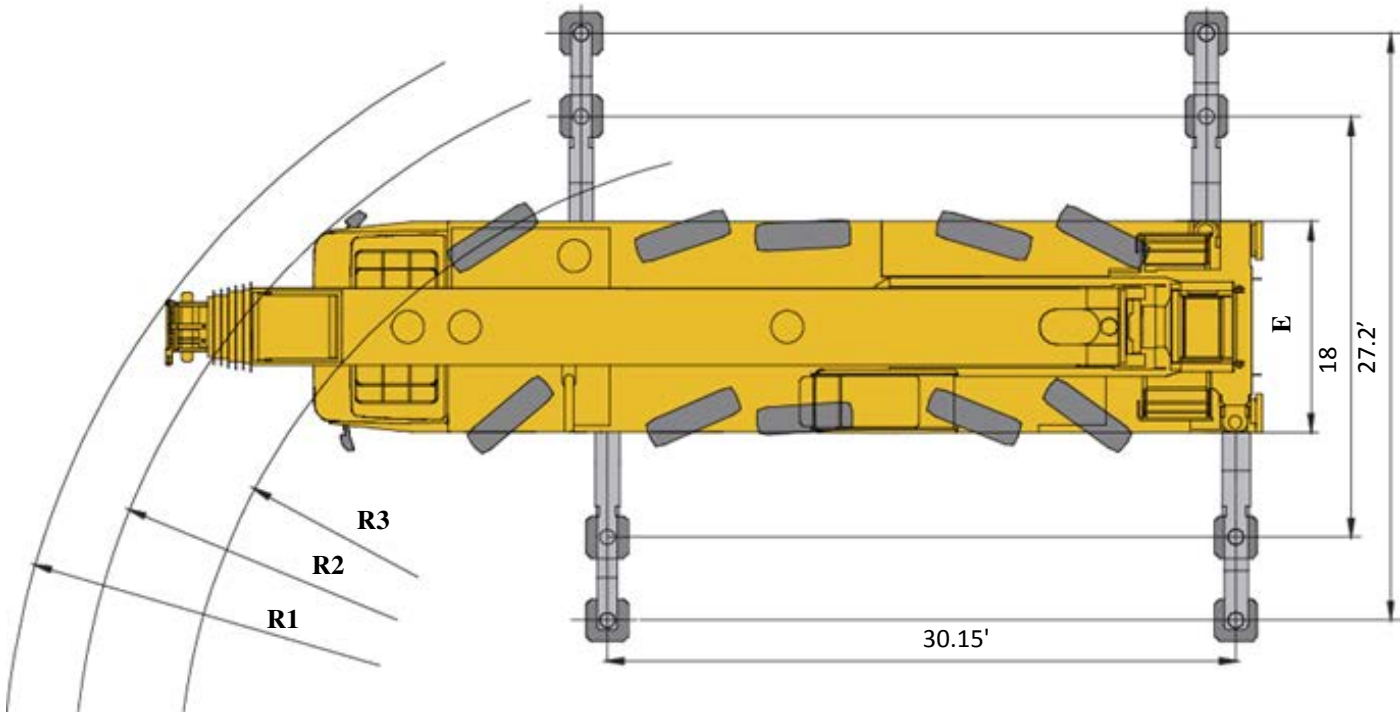
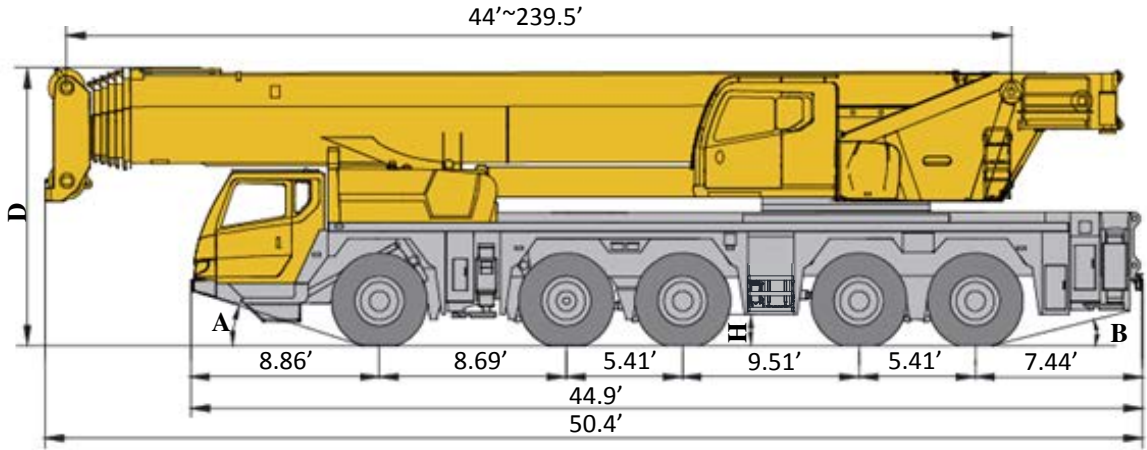


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# Dimensions




	A	B	D	E	R1	R2	R3	H
445/95 R 25 ( 16.00 R 25 )	19°	18°	13.2'	9.8'	38.55'	35.27'	30.35'	1.2'
525/80 R25 (20.00 R 25)	19°	18°	13.2'	10.1'	39.5'	37.72'	32.8'	1.2'

## Technical specifications

 Chassis		
<b>Frame</b>	Designed and manufactured by XCMG, it is made of high strength steel with fully covered walking surface and anti-torsion box-typed structure.	●
<b>Outrigger</b>	Four outriggers arranged in H-shape are hydraulically controlled by control levers. Double-stage outrigger beam is adopted. There is an electric control panel fitted at each side of the chassis, and the level gauge, illuminator and speed button are equipped on each control panel. There is a check valve fitted in each outrigger cylinder, and a double-way hydraulic valve fitted in each outrigger jack.	●
<b>Engine</b>	OM471LA.E4-1, in-line, 6-cylinder, water cooled, electrical diesel engine, manufactured by Daimler, with max net power of 523.0 bhp /1700 rpm, compliant with EU Stage IV, EPA / CARB Tier 4 final standard. Fuel tank capacity : 156 US gal	●
	OM471LA.E5-1, in-line, 6-cylinder, water cooled, electrical diesel engine, manufactured by Daimler, with max net power of 523.0 bhp /1700 rpm, compliant with EU Stage V, EPA /CARB Tier 4 final standard. Fuel tank capacity : 156 US gal	○
<b>Hydraulic system</b>	The pump set, directly connected to the PTO port of the engine, controls the outriggers, steering, suspension and independent hydraulic cooling system.	●
<b>Transmission</b>	Germany ZF automatic transmission with a retarder brake, 12 forward gears and 2 reverse gears.	●
<b>Transfer case</b>	Mechanical transfer case made by Zhuzhou Gear is equipped with emergency steering oil pump.	●
<b>Axles</b>	High strength axles with reliable performance, made by Chongqing Dajiang , equipped with pneumatically controlled disc brakes.	●
<b>Suspension</b>	Hydro-pneumatic suspension is adopted for all axles, providing good shock absorbing effect. Functions of automatic leveling, suspension lifting/lowering, unlocked/blocked suspension switch-over, etc. are available.	●


<b>Tires</b>	10 tires and 1 spare tire, each axle is equipped with single tire, manufactured by Double Coin, with large bearing capacity. Tire specifications: 525/80R25 (20.5R25) Tire specifications: 445/95R25 (16.00R25)	● ○
<b>Brake</b>	Service brake: double-circuit air pressure brake, acting on all wheels. Parking brake: spring-loaded brake, acting on the wheels of axles 2-5 . Auxiliary brake: engine exhaust brake and engine retarder brake, and transmission retarder brake, featuring safety and reliability and extending the service life of the brake friction discs.	●
<b>Steering</b>	All axles steering, with advanced electro-hydraulic proportional steering control technology applied to ensure various steering modes to meet the requirements under various operation modes.	●
<b>Driver cab</b>	New full dimension steel structure cab, with suspension connecting structure adopted, is equipped with shock absorbers at the rear of the cab. Safety glass, electrically operated door window lifters, adjustable seats, electrical adjustable mirrors, steering wheel adjustable in height and angle, reversing display and large screen liquid crystal display & player are equipped. New combined central control panel is reasonably arranged in arc shape, presenting a human-oriented design concept. Heating & air-conditioning are standard.	●
<b>Electrical system</b>	24 V DC	●

 Superstructure		
<b>Frame</b>	Designed and manufactured by XCMG, made of high strength steel.	●
<b>Hydraulic system</b>	The variable pump driven by chassis engine is used for lifting, luffing, telescoping and slewing operations. Electro-hydraulic change valve is adopted and matched perfectly and stably with plunger variable pump. Air-cooled hydraulic oil cooler effectively reduces the temperature of oil in the system.	●

## Technical specifications

<b>Operating mode</b>	Pilot electric proportional control and stepless speed regulation are available. Main crane movements are controlled through two control levers at left and right sides.	●
<b>Main winch system</b>	Driven by a hydraulic motor with a planetary gear reducer, a normally closed brake, a balanced valve and a Lebus grooved drum equipped. International first-class brand wire rope with one rope end directly installed in rope socket, which improves rope replacing speed and makes replacement easy and fast.	●
<b>Auxiliary winch system</b>	Driven by a hydraulic motor with a planetary gear reducer, a normally closed brake, a balanced valve and a Lebus grooved drum equipped.	○
<b>Hook block</b>	176.4 USt hook block	○
	93.7 USt hook block	●
	44.1 USt hook block	●
	13.8 USt hook block	●
<b>LMI</b>	When the actual load moment is approaching overloading value, audible and visual warning will be sent out, and the dangerous operation will be automatically stopped ahead of overloading. Overload memory function (black box) and fault self-diagnosis function are available.	●
<b>Operator cab</b>	Large arc glass, sliding door, adjustable seat with 20° tilting are adopted. Safety glass, top protective rails, LMI, electric control box, electric windshield wipers, engine accelerator pedal, engine start switch and windshield visor, etc. are also available. Heating & air conditioning are standard.	●
<b>Slewing system</b>	A single-row, four-point contact-ball external toothed slewing bearing is driven by hydraulic motor, with built-in planetary gear reducer and constant-closed brake equipped, and may continuously slew 360°. Power control and free slewing function as well as stepless speed regulation are available.	●
<b>Mechanical locking mechanism</b>	For mechanical locking of slewing bearing in the range of 360°.	●

<b>Wireless remote control device</b>	It is used for remote control of crane movements, in order to improve the convenience and safety of operation.	●
<b>Safety devices</b>	Hydraulic balance valve, hydraulic relief valve, hydraulic double-way valve and LMI are available. Lowering limiter is equipped to prevent rope over-releasing. Anti-two block is fitted on the boom head to prevent rope over-winding. Anemometer is equipped to check whether aerial wind velocity is in safe working range. Winch monitoring device is equipped to monitor the winch status in real time.	●
<b>Combined counterweight</b>	Total weight is 176370 lb. Seven counterweight combinations of 22046 lb, 44093 lb, 66139lb, 88185 lb, 110231 lb, 149914 lb and 176370 lb are available.	●
<b>Electrical system</b>	24 V DC.	●

	<b>Boom &amp; jib system</b>	
<b>Boom</b>	7-section, U-shape cross section, welding structure. Single-cylinder pinning telescoping system. One double-acting cylinder with safe valve is used to control the telescoping movements of each boom section. Various telescoping modes are available. Boom length: 44.0 ft ~ 239.5 ft.	●
<b>Auxiliary sheave</b>	Installed at the boom top, used for single line operation. Its lifting performance is the same as that of boom, but the max. lifting load could not exceed 12.6 USt.	●
<b>Jib</b>	Lattice structure consists of a boom extension of 26.2 ft, a connecting bracket, an offsetting bracket, two jib sections, and two jib extensions of 13.12 ft and 26.2 ft. Three offset angles of 0°, 20° and 40° are available. Jib length: 39.4 ft~144.3 ft.	○

**Product parts list is as mentioned above. Please refer to the product quotation for specific parts.**

**Symbol explanation:**

- —it means the standard configuration;
- —it means the optional configuration.

# Weight



Axle	1	2	3	4	5	Total weight
lb	27380 lb	27380 lb	27380 lb	27442 lb	27442 lb	137024 lb

1) Superstructure: counterweight, auxiliary sheave, hook block, jib, auxiliary winch, main winch roller bracket and turntable ladders are not included;

Chassis: outrigger floats, spare tire, spare tire bracket and removable ladder are not included.

Driving type: 10x8;

Tire specification: 525/80R25

2) The gross vehicle weight and axle load given in the table are the values when 525/80R25 tires are installed; the GVW is decreased by 1520 lb and each axle load is decreased by 304 lb if the optional 445/95R25 tires are fitted.



Hook block	Parts of line	Hook block weight	Remarks
176.4 USt	14	4189 lb	Double hook, Optional
93.7 USt	7	2205 lb	Double hook, Standard
44.1 USt	3	1543 lb	Single hook, Standard
13.8 USt	1	1014 lb	Single hook, Standard

# Working speed



mph



445/95 R 25  
( 16.00 R 25 )  
525/80 R 25  
( 20.5 R 25 )

0.6 ~ 49.7  
0.6 ~ 49.7

60%  
60%

Note: the max. travel speed is possible only when the boom is at the rear of the crane and supported by a boom dolly .



**Superstructure**

**Working speed**

**Max. single line pull**

**Rope diameter/ length**



0-426.5 ft/min, single line, 4th layer

12.6 USt

0.075 ft/1082.7 ft



0-426.5 ft/min, single line, 4th layer

12.6 USt

0.075 ft/852.8 ft



0-1.5 r/min



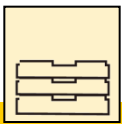
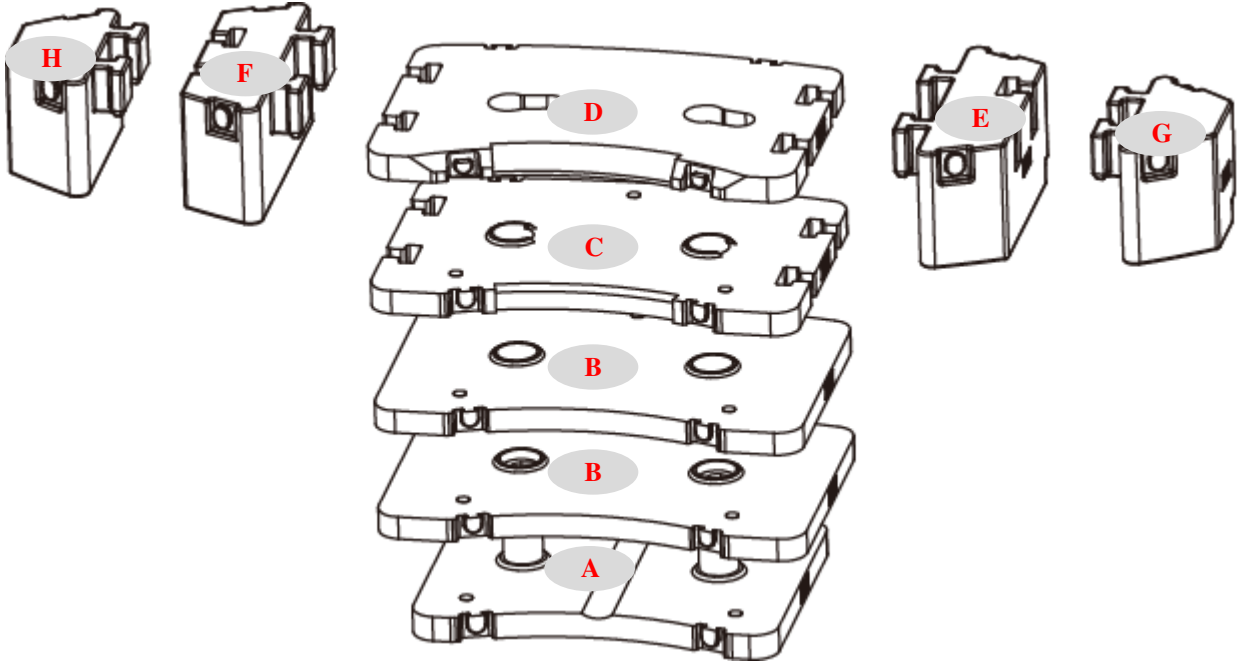
Approx. 55s for luffing the boom from -0.5° to 82°



Approx. 750s for extending the boom from 44.0 ft to 239.5 ft



# Counterweight



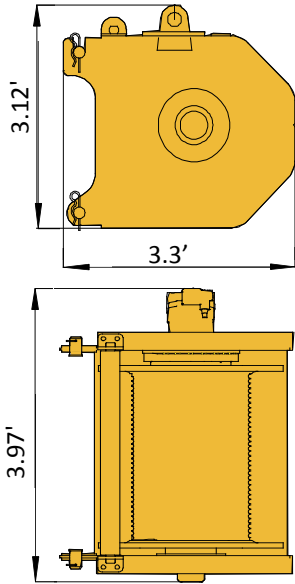
Counterweight	A	B	C	D	E	F	G	H
Dimensions (L×W×H) (ft)	9.81×7.71×3.36	11.48×7.71×0.73	11.48×7.71×0.76	11.48×7.55×0.73	7.24×3.12×3.41	7.24×3.12×3.41	5.23×3.31×3.41	5.23×3.31×3.41
Weight (lb)	22046	22046	22046	22046	19841	19841	13227	13227

Operation mode	176370 lb	149912 lb	110229 lb	88184 lb	66138 lb	44092 lb	22046 lb
Combinations	A+B×2+C+D+E+F+G+H	A+B×2+C+D+E+F	A+B×2+C+D	A+B×2+C	A+B×2	A+B	A

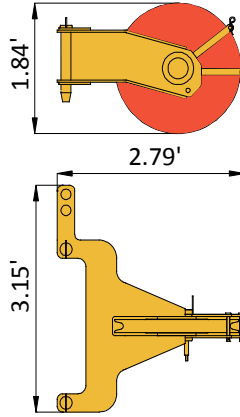


# Dimensions and weight of parts transported

**Auxiliary winch (rope included) 4696 lb**

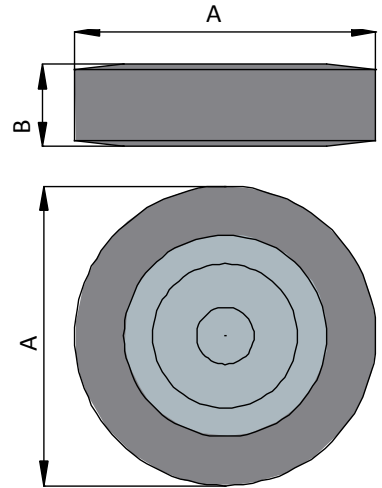


**Auxiliary sheave 311 lb**

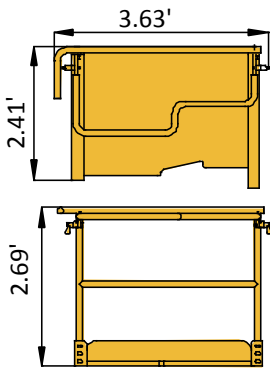


**Spare tire**

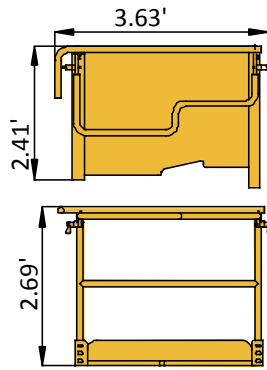
	A	B	Weight
445/95R25	4.87'	16"	562 lb
525/95R25	4.87'	20.5"	765 lb



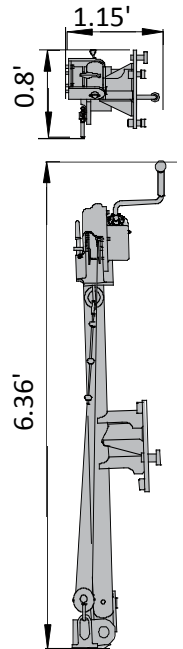
**Ladder at the left side of turntable 30.9 lb**



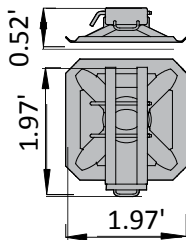
**Ladder at the right side of turntable 35.3 lb**



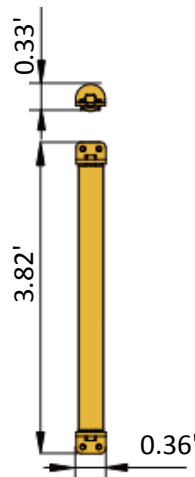
**Bracket of spare tire 141 lb**



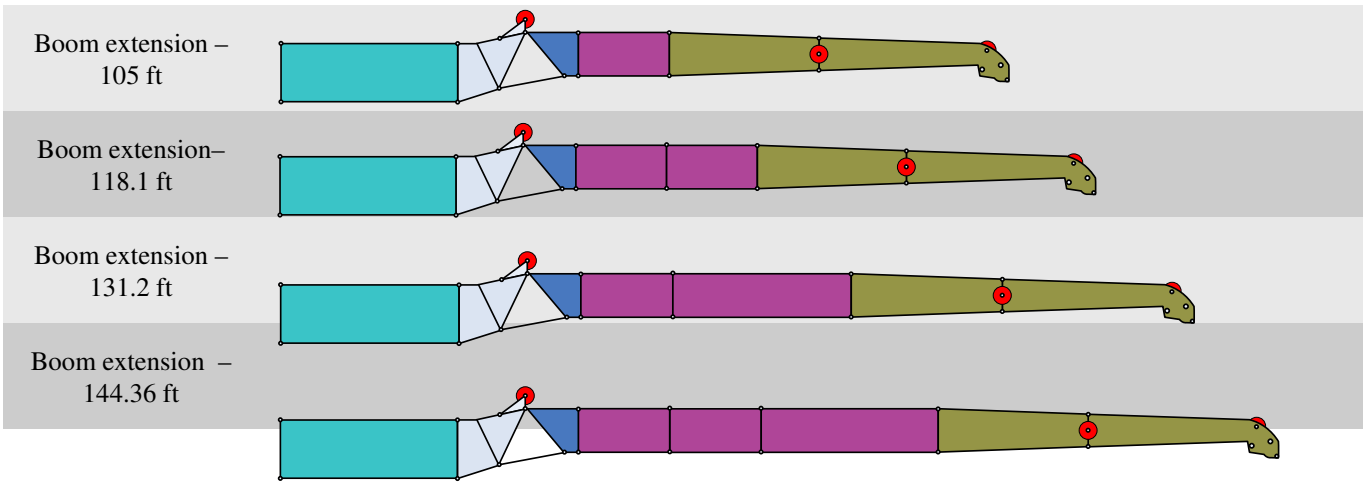
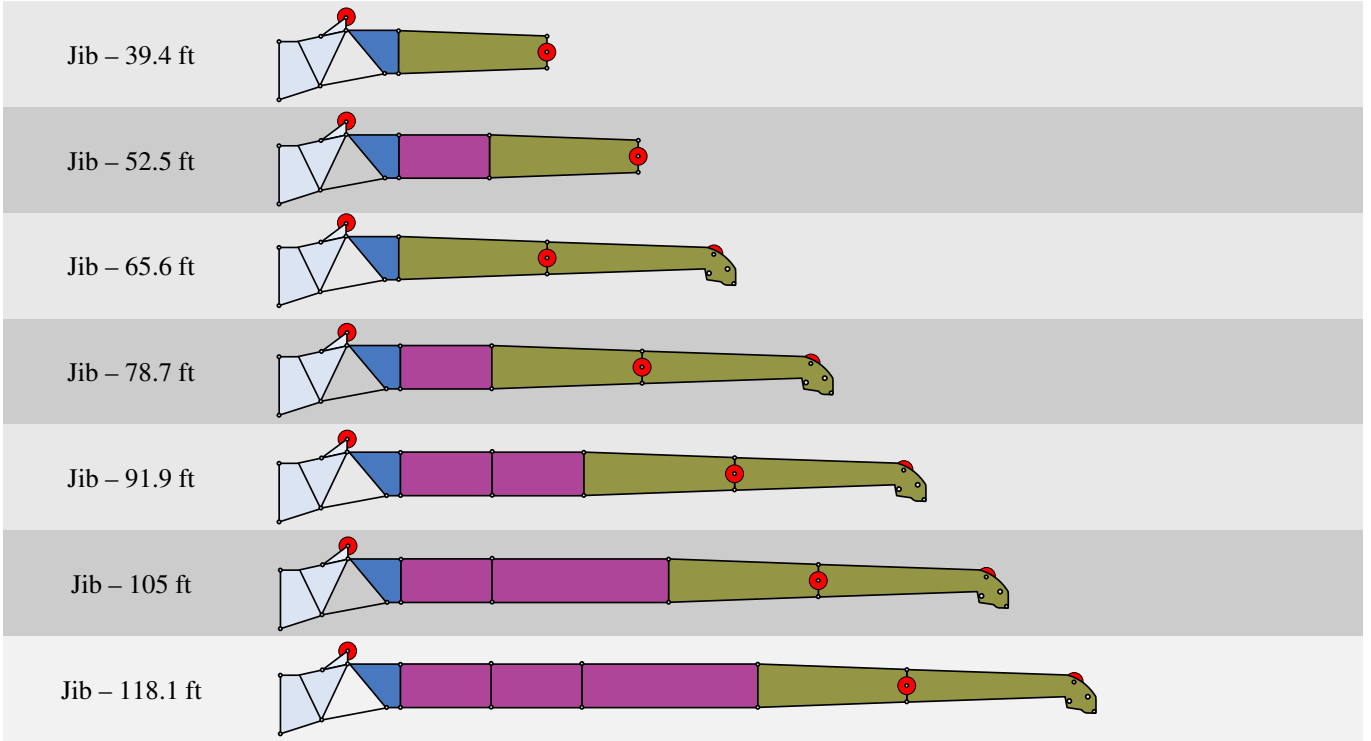
**Outrigger floats 4×139 lb=555.6 lb**










**Main winch roller bracket 19.8 lb**



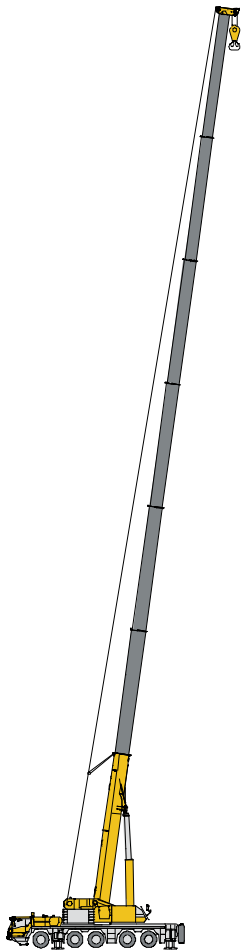
# Boom / Jib combinations



## Boom / Jib combinations

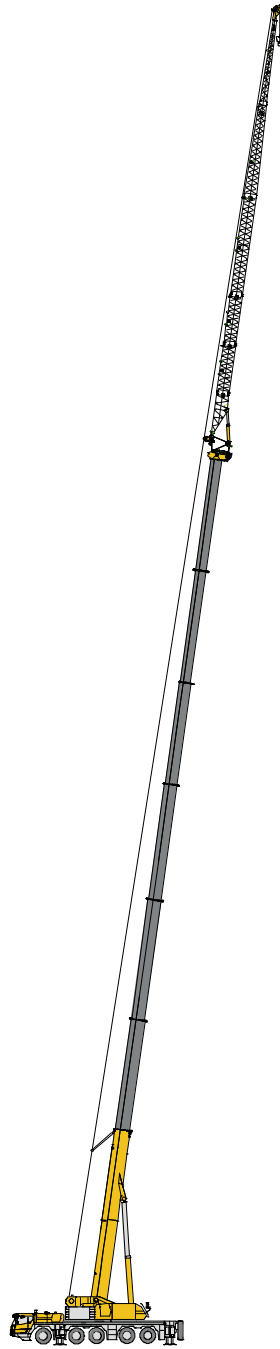
Component	Structure	Dimensions (L×W×H) (ft)	Weight (lb)
Connecting bracket		8.20×3.28×7.22	806.9
Offsetting bracket		12.47×3.28×4.92	1153.0
Boom extension		26.90×3.28×5.25	1329.4
1 <sup>st</sup> jib section assembly		24.93×2.95×3.28	1263.2
2 <sup>nd</sup> jib section assembly		26.57×1.64×2.62	899.5
Jib extension I		26.57×2.95×3.94	1190.5
Jib extension II		13.45×2.95×3.61	707.7

## Boom / Jib combinations



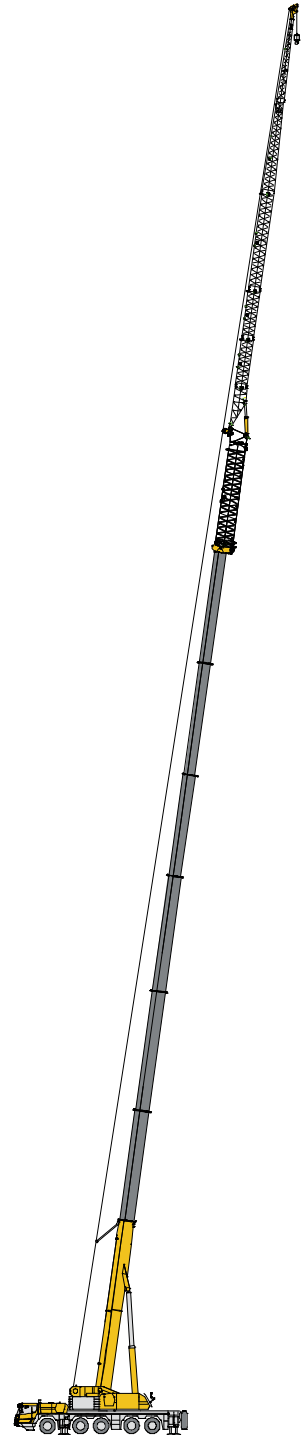
**Boom**

T : 44.0~239.5 ft



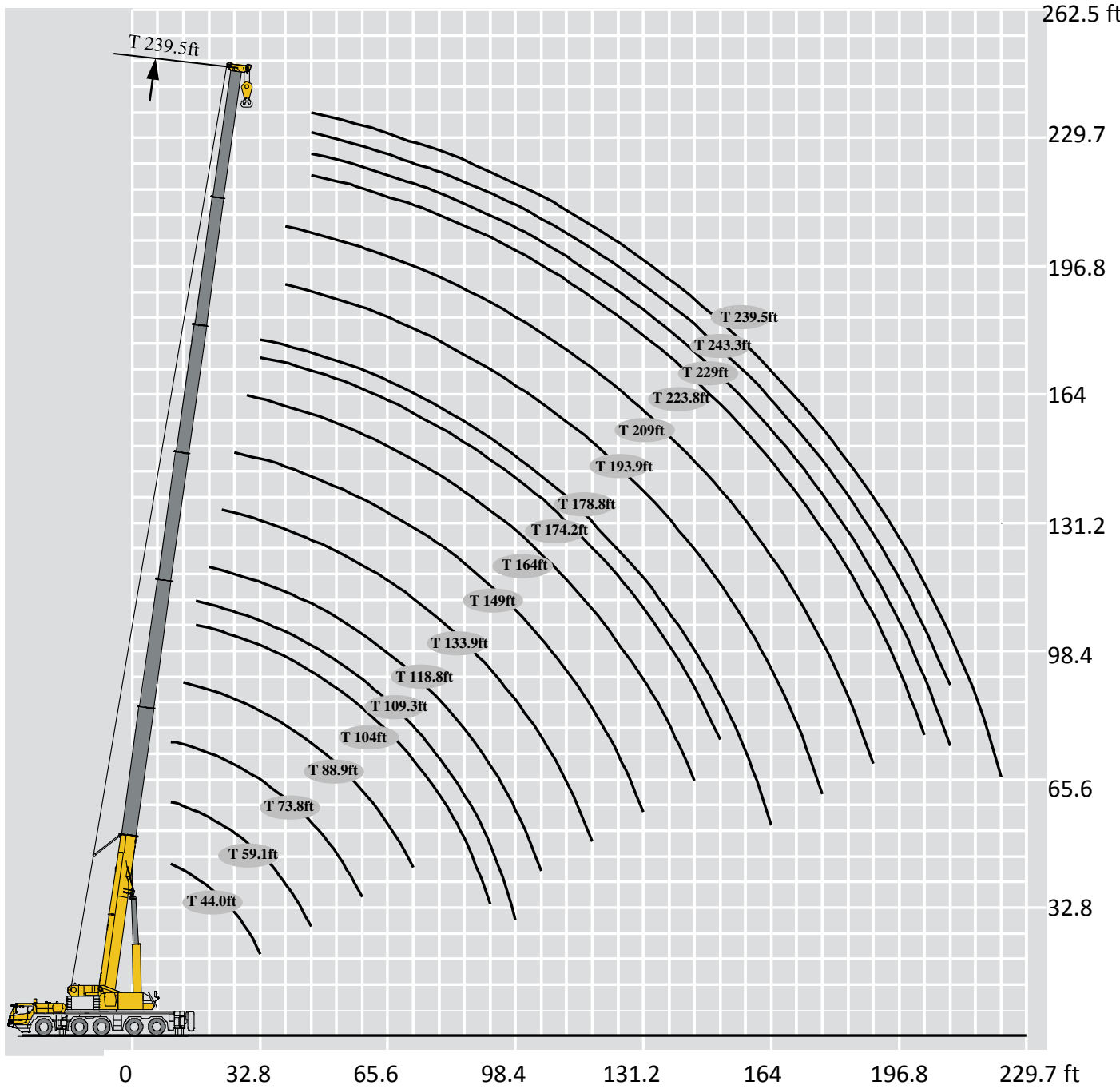
**Jib**

T : 59.1~239.5 ft  
J : 39.4~118.1 ft

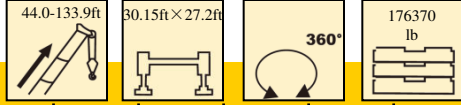


**Boom extension**

T : 193.9~223.8 ft  
I : 26.2 ft  
J : 78.7~118.1 ft



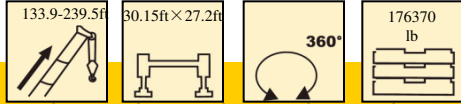
Lifting load chart



Height (ft)	Pounds × 1000															Code
	44.0ft	59.1ft	59.1ft	59.1ft	73.8ft	73.8ft	73.8ft	73.8ft	73.8ft	73.8ft	88.9ft	88.9ft	88.9ft	88.9ft	104ft	
8	550*															8
9.8	330.7	147.5	330.7	330.7	315.3	315.3	110.0	157.2	308.6							9.8
11.5	330.7	139.3	319.7	319.7	308.6	308.6	102.3	150.8	308.6							11.5
13.1	308.6	132.5	308.6	308.6	295.4	293.2	96.1	144.2	297.6	266.8	105.6	153.0	266.8			13.1
14.8	297.6	125.7	286.6	284.4	277.8	277.8	90.4	137.6	280.0	266.8	95.7	145.9	266.8			14.8
16.4	269.0	119.9	271.2	269.0	262.3	260.1	85.1	131.6	264.6	254.4	88.0	140.2	259.9	218.3	16.4	16.4
19.7	233.7	109.3	238.1	238.1	233.7	233.0	76.7	121.9	235.9	225.1	79.1	131.2	230.2	218.3	19.7	19.7
23.0	209.4	101.4	209.4	209.4	209.4	207.2	70.1	113.3	211.6	201.3	72.1	122.8	207.0	198.4	23.0	23.0
26.2	187.4	93.5	187.4	187.4	187.4	187.4	64.4	106.5	189.6	182.5	65.9	115.3	188.5	180.1	26.2	26.2
29.5	169.8	87.7	169.8	169.8	169.8	169.8	59.1	99.0	172.0	166.7	60.4	108.9	172.4	164.9	29.5	29.5
32.8	143.3	82.2	154.3	154.3	154.3	152.1	55.3	91.0	155.6	152.1	56.0	103.0	156.5	151.9	32.8	32.8
39.4		74.3	130.7	128.7	125.4	123.2	48.5	79.1	129.2	123.0	48.7	90.2	130.3	127.0	39.4	39.4
45.9		67.5	107.4	105.8	102.7	100.7	43.2	69.2	103.6	100.3	43.2	80.2	107.6	104.5	45.9	45.9
52.5					88.2	86.0	38.6	61.5	93.3	84.0	38.4	71.9	91.0	88.2	52.5	52.5
59.1					76.1	73.9	35.3	55.8	80.0	71.2	34.8	65.0	78.0	75.4	59.1	59.1
65.6											61.1	31.5	59.7	70.3	65.6	65.6
72.2											54.5	29.1	55.1	61.3	72.2	72.2
78.7															78.7	78.7
85.3															85.3	85.3
91.9															91.9	91.9
Code	000000	000001	001000	010000	110000	200000	000002	000011	011000	210000	000021	000111	011100	111100	Code	Code

Height (ft)	Pounds × 1000															Code
	104ft	104ft	104ft	104ft	104ft	109.3ft	118.8ft	118.8ft	118.8ft	118.8ft	118.8ft	133.9ft	133.9ft	133.9ft		
16.4	218.3	75.8	114.9	147.0	218.3	72.1									16.4	16.4
19.7	209.9	68.3	103.8	137.6	212.1	65.0	176.4	176.4	70.8	80.9	115.7				19.7	19.7
23.0	188.1	62.2	93.5	130.1	193.6	59.1	176.4	173.3	65.0	75.2	106.3	141.8	145.5	63.9	23.0	23.0
26.2	170.2	57.1	84.9	122.4	178.1	54.5	176.1	158.3	60.2	69.7	97.2	133.6	145.5	58.6	26.2	26.2
29.5	155.9	52.5	78.0	115.7	164.0	50.3	161.6	145.5	56.0	64.8	89.1	127.0	139.6	54.2	29.5	29.5
32.8	142.9	48.5	72.3	110.2	151.9	46.5	148.6	135.1	52.0	60.2	81.1	121.7	128.7	50.5	32.8	32.8
39.4	123.5	42.1	62.8	100.1	131.2	40.6	128.1	116.6	45.6	52.5	70.3	112.2	111.6	44.1	39.4	39.4
45.9	101.2	37.0	55.6	89.7	108.9	35.7	105.8	102.1	40.8	46.5	61.7	103.6	98.3	39.0	45.9	45.9
52.5	84.9	33.3	49.6	80.7	92.2	31.7	89.5	85.8	36.4	41.7	54.9	90.6	87.1	35.1	52.5	52.5
59.1	72.3	30.0	44.5	73.6	79.6	28.9	76.9	73.4	33.1	37.7	49.6	78.0	74.7	31.7	59.1	59.1
65.6	62.2	27.3	40.6	67.7	69.4	26.2	67.0	63.5	30.2	34.2	44.8	68.1	64.8	28.9	65.6	65.6
72.2	53.4	25.1	37.3	62.6	61.1	23.8	60.2	55.1	27.8	31.3	40.8	60.2	56.7	26.7	72.2	72.2
78.7	47.6	22.9	34.2	57.3	55.6	21.8	53.4	48.5	25.6	28.7	37.5	53.6	50.0	24.9	78.7	78.7
85.3	41.2	21.4	31.7	52.5	49.2	20.3	46.7	43.4	23.8	26.7	34.4	47.6	43.7	23.1	85.3	85.3
91.9	35.9	19.8	29.5	47.0	43.4	18.7	41.4	37.7	22.5	24.9	32.0	42.3	38.1	21.6	91.9	91.9
98.4						17.6	36.8	33.1	20.7	23.1	29.5	37.5	33.5	20.3	98.4	98.4
105.0							32.8	29.1	19.6	21.6	27.8	33.5	29.5	19.2	105.0	105.0
111.5												31.5	27.6	18.1	111.5	111.5
118.1												28.2	24.3	17.2	118.1	118.1
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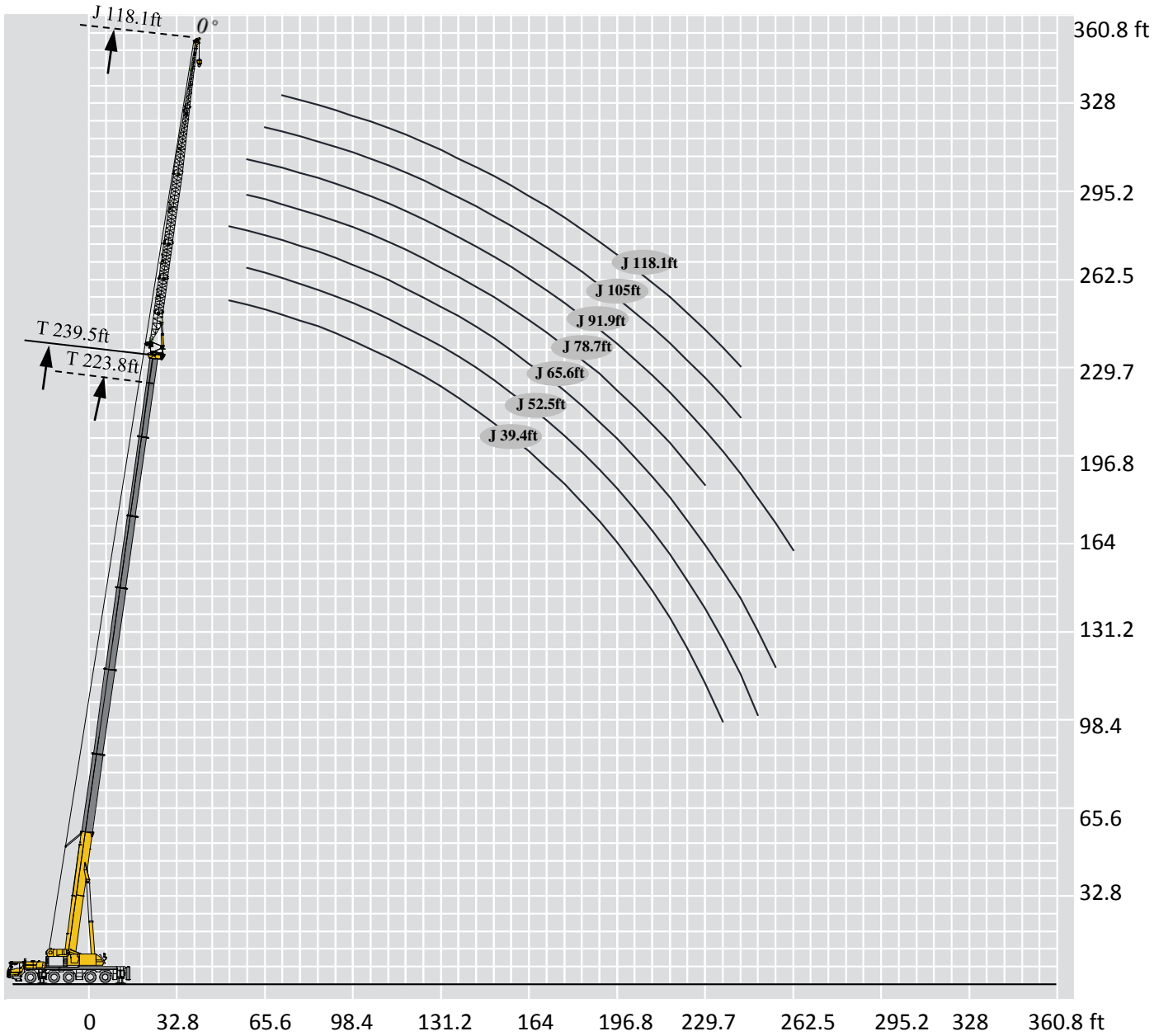
Lifting load chart



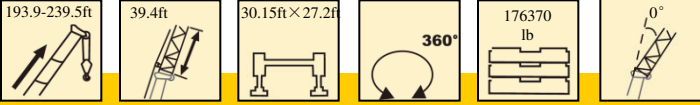
	Pounds × 1000															
	133.9ft	133.9ft	149ft	149ft	149ft	149ft	164ft	164ft	164ft	164ft	164ft	174.2ft	178.8ft	178.8ft		
23.0	85.3	126.2														23.0
26.2	79.2	115.9	121.3	118.8	61.5	73.9										26.2
29.5	73.2	105.9	121.3	109.1	58.4	68.1	106.9	100.5	97.4	57.5	84.4					29.5
32.8	68.3	98.1	114.6	101.0	54.2	63.5	99.2	93.7	90.2	54.2	78.5	49.4	68.8	79.4	32.8	32.8
39.4	59.4	83.7	100.5	87.1	47.6	55.3	86.0	81.1	78.3	47.6	68.6	43.2	67.0	74.7	39.4	39.4
45.9	52.2	73.8	89.1	76.7	42.3	49.2	76.3	71.2	68.6	42.3	61.1	38.4	60.0	67.0	45.9	45.9
52.5	46.6	65.4	80.0	67.9	38.1	44.1	68.3	63.7	61.1	37.9	54.9	34.6	53.8	60.0	52.5	52.5
59.1	42.2	58.4	72.3	61.1	34.6	39.9	61.5	57.1	55.1	34.6	49.6	31.5	48.7	54.2	59.1	59.1
65.6	38.3	53.3	65.9	55.3	31.7	36.6	56.2	52.2	50.0	31.7	45.2	28.7	44.3	49.2	65.6	65.6
72.2	34.9	48.4	58.2	50.5	29.1	33.7	51.8	47.6	45.6	29.1	41.9	26.5	40.8	45.2	72.2	72.2
78.7	31.9	44.2	51.6	46.5	27.1	31.3	47.8	43.7	41.9	27.1	39.0	24.5	37.7	41.7	78.7	78.7
85.3	29.3	40.6	45.9	42.3	25.4	29.3	44.3	40.6	38.8	25.1	36.2	22.7	35.1	38.6	85.3	85.3
91.9	27.1	37.6	40.3	36.8	24.0	27.3	40.1	37.5	35.9	23.6	33.7	21.4	32.8	35.9	91.9	91.9
98.4	25.2	34.9	35.7	32.2	22.5	25.8	35.5	34.0	33.5	22.3	31.7	20.1	30.6	33.5	98.4	98.4
105.0	23.4	32.5	32.2	28.2	21.2	24.3	31.5	30.0	29.5	20.9	30.0	18.7	28.9	31.5	105.0	105.0
111.5	21.7	30.3	29.1	24.7	20.1	22.9	29.3	26.5	26.0	19.8	28.4	17.9	27.1	28.4	111.5	111.5
118.1	20.4	26.5	26.7	21.8	19.0	21.6	27.1	23.6	23.1	19.0	26.9	17.0	25.6	25.4	118.1	118.1
124.7			24.7	20.5	18.1	20.5	24.3	20.7	20.3	18.1	25.6	16.1	24.3	22.7	124.7	124.7
131.2			22.3	18.1	17.2	19.6	20.9	19.6	19.2	17.2	23.8	15.2	22.0	20.3	131.2	131.2
137.8							18.7	17.6	17.4	16.3	21.6	14.3	19.8	18.1	137.8	137.8
144.4							17.2	16.1	15.2	15.7	19.6	13.9	17.9	16.1	144.4	144.4
150.9												13.4	16.1	14.3	150.9	150.9
157.5													14.3	12.8	157.5	157.5
164.0													13.0	12.3	164.0	164.0
Code	002211	021111	211111	222100	001222	002221	221111	222110	222200	002222	022211	003333	122220	222111	Code	Code

	178.8ft	178.8ft	178.8ft	193.9ft	193.9ft	193.9ft	193.9ft	193.9ft	209ft	209ft	209ft	223.8ft	229ft	234.3ft	239.5ft	
39.4	75.0	54.5	63.5													39.4
45.9	71.0	50.5	58.4	50.3	53.1	61.3	59.1	48.7	43.4	48.7	46.3					45.9
52.5	63.5	45.4	52.0	46.7	49.4	60.2	58.6	45.6	43.4	46.7	45.9	41.9	38.1	35.3		52.5
59.1	56.4	41.0	46.7	43.9	46.3	54.0	52.7	41.2	42.3	44.8	45.9	39.2	36.4	34.2	32.6	59.1
65.6	51.1	37.3	42.5	41.0	43.0	48.9	47.6	37.7	39.5	42.8	42.5	37.0	35.3	32.8	30.9	65.6
72.2	46.3	34.4	38.8	37.9	40.3	44.8	43.7	34.6	36.2	39.7	38.8	35.5	34.6	32.0	29.5	72.2
78.7	42.3	31.7	35.7	35.1	37.7	41.2	39.7	32.0	33.5	36.4	35.7	32.8	32.0	30.6	29.5	78.7
85.3	39.0	29.5	33.3	32.6	35.5	38.4	36.8	29.5	31.1	33.7	32.8	30.2	29.3	28.2	26.7	85.3
91.9	35.9	27.6	31.1	30.6	33.3	35.5	34.0	27.6	28.9	31.5	30.6	28.0	27.3	26.0	24.9	91.9
98.4	33.5	25.6	29.1	28.7	31.3	33.1	31.7	25.6	26.7	29.3	28.7	26.0	25.1	24.3	23.6	98.4
105.0	31.1	24.0	27.1	26.9	29.5	30.9	29.8	24.0	25.1	27.6	26.5	24.3	23.6	22.7	22.0	105.0
111.5	29.1	22.7	25.6	25.1	28.0	29.1	28.0	22.7	23.6	25.8	24.9	22.9	22.3	21.4	20.7	111.5
118.1	27.3	21.4	24.0	24.0	26.0	27.3	26.2	21.4	22.5	24.3	23.4	21.8	20.9	20.1	19.4	118.1
124.7	24.5	20.5	22.7	22.7	24.7	26.0	24.5	20.5	21.2	23.1	22.0	20.5	19.8	19.0	18.5	124.7
131.2	21.8	19.6	21.6	21.6	23.6	24.0	23.4	19.4	20.3	21.8	20.9	19.6	18.7	18.1	17.4	131.2
137.8	19.4	18.5	20.7	20.7	22.5	21.6	20.9	18.5	19.4	20.7	20.1	18.7	17.9	17.2	16.5	137.8
144.4	17.2	17.6	19.6	19.8	20.5	19.6	18.7	17.6	18.5	19.8	18.7	17.6	17.0	16.3	15.7	144.4
150.9	15.4	17.0	18.7	19.0	18.5	17.6	17.0	17.0	17.6	18.5	17.9	16.8	16.1	15.4	15.0	150.9
157.5	13.7	16.3	18.1	18.5	16.8	16.4	15.2	16.1	17.0	16.8	16.1	16.1	15.2	14.8	14.3	157.5
164.0	11.9	15.7	17.2	17.6	15.0	15.5	13.4	15.7	16.3	15.2	14.6	15.4	14.8	14.1	13.7	164.0
170.6	11.7	15.2	15.7	16.1	13.7	14.9	12.1	15.0	15.4	13.7	13.0	14.3	14.1	13.4	13.0	170.6
177.2				14.8	12.1	14.2	10.6	14.8	14.1	12.3	11.7	12.8	13.0	13.0	12.6	177.2
183.7				13.4	11.0	13.6	9.5	13.9	12.8	11.7	10.6	11.7	11.7	11.7	11.7	183.7
190.3									11.7	11.0	10.4	10.4	10.6	10.6	10.6	190.3
196.9									10.6	10.6	9.7	9.5	9.5	9.5	9.5	196.9
203.4												8.8	8.6	8.6	8.6	203.4
210.0												8.4	7.9	7.5	7.5	210.0
216.5													7.3	7.1	7.1	216.5
223.1															6.6	223.1
Code	222210	012222	022221	112222	221122	222112	222211	022222	122222	222122	222221	222222	332222	333322	333333	Code








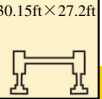
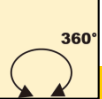
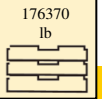


Lifting load chart






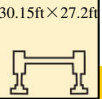
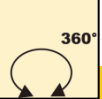
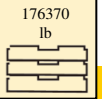


Pounds × 1000

	88.9ft	104.0ft	118.8ft	133.9ft	193.9ft	193.9ft	209ft	209ft	223.8ft	239.5ft	
	39.4ft	39.4ft	39.4ft	39.4ft	39.4ft	39.4ft	39.4ft	39.4ft	39.4ft	39.4ft	
23.0	46.4										23.0
26.2	43.2	46.2	48.9								26.2
29.5	38.8	43.6	46.8	47.0							29.5
32.8	35.1	39.5	43.4	45.7							32.8
39.4	29.7	33.4	36.9	39.9							39.4
45.9	25.6	28.8	31.9	34.4	27.2	31.3	23.1	25.4			45.9
52.5	23.6	25.2	28.0	30.3	26.0	30.9	23.1	25.3	20.3	16.1	52.5
59.1	21.9	23.6	25.0	27.1	24.0	30.5	22.8	24.5	20.3	16.1	59.1
65.6	19.9	22.4	23.3	24.6	23.0	29.4	21.9	23.5	20.3	16.1	65.6
72.2	17.9	20.3	22.5	23.5	21.9	27.9	21.1	21.8	20.3	16.1	72.2
78.7	16.3	18.4	20.6	22.8	20.8	26.3	20.2	20.8	20.1	16.1	78.7
85.3	15.1	16.9	18.9	20.9	19.7	24.4	19.3	19.9	19.8	16.1	85.3
91.9	13.9	15.6	17.5	19.3	18.5	23.0	18.3	19.0	19.2	16.1	91.9
98.4	12.9	14.5	16.1	18.1	17.4	21.8	17.0	18.1	17.6	15.7	98.4
105.0	12.1	13.6	15.2	16.9	16.4	20.6	15.7	17.2	16.8	15.0	105.0
111.5	11.4	12.8	14.3	15.7	15.4	19.4	14.6	16.3	15.8	14.5	111.5
118.1	10.6	12.0	13.6	14.8	14.5	18.4	13.6	15.4	15.1	13.5	118.1
124.7		11.3	12.8	14.1	13.6	17.4	12.7	14.6	14.3	12.5	124.7
131.2		10.7	12.0	13.	12.8	16.4	11.8	13.9	13.4	11.6	131.2
137.8			11.4	12.6	12.1	15.5	11.1	13.2	12.6	10.9	137.8
144.4			10.9	12.1	11.5	14.6	10.3	12.5	11.8	10.2	144.4
150.9				11.5	10.8	13.8	9.7	11.9	11.1	9.7	150.9
157.5				11.1	10.2	13.0	9.2	11.3	10.8	9.3	157.5
164.0					9.7	12.2	8.6	10.7	10.1	8.6	164.0
170.6					9.2	11.5	8.1	10.2	9.9	8.2	170.6
177.2					8.7	10.8	7.6	9.5	9.5	7.7	177.2
183.7					8.3	10.4	7.2	9.0	9.0	7.5	183.7
190.3					7.8	9.9	6.8	8.1	8.2	7.1	190.3
196.9					7.5	9.5	6.4	7.2	7.7	6.6	196.9
203.4					7.1	9.0	6.1	6.3	7.5	6.4	203.4
210.0					6.7	8.2	5.6	5.4	7.1	6.2	210.0
216.5					6.4	7.3	5.4	4.7	6.8	5.7	216.5
223.1							5.1	3.9	6.4	5.5	223.1
229.7							4.8	3.3	6.2	5.3	229.7
236.2									5.3	5.1	236.2
242.8										4.4	242.8
Code	111000	111100	211100	221100	112222	222211	122222	222221	222222	333333	Code



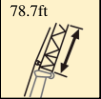
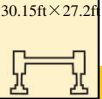
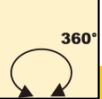
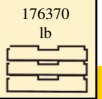


Lifting load chart

	 193.9ft		 193.9ft		 209ft		 209ft		 223.8ft		 239.5ft			
	52.5ft		52.5ft		52.5ft		52.5ft		52.5ft		52.5ft			
	45.9	21.3	24.4	19.4	20.9	17.9	13.9	65.6	20.3	23.2	19.1	20.5		17.7
45.9	21.3	24.4											45.9	
52.5	21.1	24.1	19.4	20.9									52.5	
59.1	20.8	23.7	19.2	20.7	17.9	13.9							59.1	
65.6	20.3	23.2	19.1	20.5	17.7	14.1	65.6						65.6	
72.2	19.4	22.8	18.7	20.3	17.6	14.1	72.2						72.2	
78.7	18.6	22.2	18.0	20.0	17.4	14.1	78.7						78.7	
85.3	17.8	21.7	17.3	19.6	16.8	14.1	85.3						85.3	
91.9	17.0	21.2	16.6	18.9	16.3	14.1	91.9						91.9	
98.4	16.1	20.5	15.8	17.9	16.1	14.2	98.4						98.4	
105.0	15.4	19.4	14.7	17.3	15.1	13.7	105.0						105.0	
111.5	14.6	18.4	13.6	16.4	14.6	13.3	111.5						111.5	
118.1	13.7	17.3	12.6	15.7	14.0	12.6	118.1						118.1	
124.7	12.9	16.5	11.8	14.8	13.4	11.7	124.7						124.7	
131.2	12.2	15.6	11.0	14.0	12.6	10.9	131.2						131.2	
137.8	11.6	14.8	10.3	13.3	11.7	10.1	137.8						137.8	
144.4	10.9	14.0	9.6	12.5	11.0	9.5	144.4						144.4	
150.9	10.3	13.3	9.0	11.7	10.3	8.8	150.9						150.9	
157.5	9.7	12.6	8.4	11.0	9.7	8.1	157.5						157.5	
164.0	9.2	11.9	7.8	10.3	9.1	7.6	164.0						164.0	
170.6	8.7	11.2	7.4	9.7	8.5	7.1	170.6						170.6	
177.2	8.2	10.2	6.9	9.1	8.0	6.6	177.2						177.2	
183.7	7.8	9.1	6.5	8.5	7.5	6.2	183.7						183.7	
190.3	7.4	8.0	6.2	8.1	7.1	5.7	190.3						190.3	
196.9	7.1	7.1	5.7	7.5	6.6	5.3	196.9						196.9	
203.4	6.7	6.2	5.4	6.6	6.3	5.0	203.4						203.4	
210.0	6.4	5.3	5.1	5.8	5.9	4.6	210.0						210.0	
216.5	6.1	4.6	4.8	5.0	5.6	4.3	216.5						216.5	
223.1	5.7	3.8	4.4	4.3	4.9	4.0	223.1						223.1	
229.7	5.5	3.2	4.3	3.6	4.2	3.7	229.7						229.7	
236.2			4.0	2.9	3.5	3.4	236.2						236.2	
242.8			3.7	2.3	2.9	2.8	242.8						242.8	
249.3					2.4	2.2	249.3						249.3	
Code	112222	222211	122222	222221	222222	333333	Code							




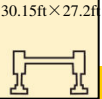
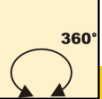
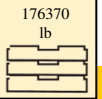


Lifting load chart

							Pounds × 1000	
	193.9ft	193.9ft	209ft	209ft	223.8ft	239.5ft		
	65.6ft	65.6ft	65.6ft	65.6ft	65.6ft	65.6ft		
45.9	13.9	14.9						45.9
52.5	13.9	15.0	12.8	13.6	12.2			52.5
59.1	14.0	15.0	12.7	13.7	12.3	11.2		59.1
65.6	14.1	15.2	12.8	13.8	12.4	11.2		65.6
72.2	14.2	15.3	12.9	13.8	12.4	11.2		72.2
78.7	14.2	15.0	13.0	13.9	12.5	11.3		78.7
85.3	13.9	14.2	13.1	13.9	12.6	11.4		85.3
91.9	13.0	13.2	13.2	13.7	12.7	11.5		91.9
98.4	12.2	12.4	12.9	12.9	12.8	11.7		98.4
105.0	11.4	11.6	12.2	12.2	12.6	11.7		105.0
111.5	10.8	11.0	11.5	11.5	12.1	11.6		111.5
118.1	10.2	10.3	10.9	10.9	11.9	11.5		118.1
124.7	9.7	9.8	10.4	10.4	11.5	11.3		124.7
131.2	9.3	9.3	10.0	9.9	11.0	10.7		131.2
137.8	8.9	8.9	9.6	9.4	10.6	10.1		137.8
144.4	8.5	8.5	9.2	9.0	10.1	9.5		144.4
150.9	8.1	8.1	8.7	8.6	9.7	9.0		150.9
157.5	7.8	7.8	8.2	8.4	9.5	8.6		157.5
164.0	7.5	7.5	7.7	8.0	9.3	7.7		164.0
170.6	7.2	7.2	7.1	7.7	8.6	7.3		170.6
177.2	7.0	6.9	6.8	7.5	8.2	6.8		177.2
183.7	6.8	6.7	6.4	7.2	7.9	6.4		183.7
190.3	6.6	6.5	6.0	7.0	7.7	6.2		190.3
196.9	6.4	6.3	5.6	6.8	7.3	5.7		196.9
203.4	6.2	6.1	5.3	6.6	6.8	5.5		203.4
210.0	6.0	5.9	5.0	6.5	6.3	5.3		210.0
216.5	5.9	5.7	4.6	5.8	6.0	4.9		216.5
223.1	5.7	5.5	4.4	5.3	5.7	4.6		223.1
229.7	5.4	5.1	4.1	5.1	5.3	4.4		229.7
236.2	5.3	5.1	3.9	4.2	4.9	4.2		236.2
242.8	4.9	2.7	3.6	3.5	4.4	4.0		242.8
249.3			3.4	3.1	4.2	3.5		249.3
255.9			3.2		3.7	3.1		255.9
Code	112222	222211	122222	222221	222222	333333		Code



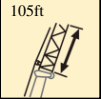
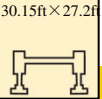
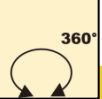



Lifting load chart

	 193.9ft		 78.7ft		 30.15ft × 27.2ft		 360°		 176370 lb		 0°		Pounds × 1000		
	193.9ft	193.9ft	209ft	209ft	223.8ft	239.5ft									
	78.7ft	78.7ft	78.7ft	78.7ft	78.7ft	78.7ft									
52.5	12.8	13.9												52.5	
59.1	12.9	14.0	11.7	12.6	11.3									59.1	
65.6	12.8	14.0	11.8	12.6	11.3	10.2								65.6	
72.2	12.6	13.7	11.8	12.7	11.4	10.2								72.2	
78.7	12.3	13.4	11.7	12.4	11.2	10.2								78.7	
85.3	12.0	13.1	11.5	12.1	11.1	10.1								85.3	
91.9	11.8	12.8	11.3	11.9	10.9	9.9								91.9	
98.4	11.5	12.3	11.1	11.6	10.7	9.8								98.4	
105.0	11.3	11.5	10.9	11.4	10.5	9.7								105.0	
111.5	10.7	10.8	10.7	11.2	10.3	9.6								111.5	
118.1	10.1	10.3	10.5	10.7	10.2	9.4								118.1	
124.7	9.7	9.8	10.3	10.2	10.0	9.3								124.7	
131.2	9.2	9.3	9.8	9.8	9.8	9.2								131.2	
137.8	8.8	8.9	9.4	9.4	9.7	9.1								137.8	
144.4	8.4	8.5	8.7	8.9	9.5	8.7								144.4	
150.9	8.1	8.1	8.1	8.6	9.1	8.1								150.9	
157.5	7.8	7.8	7.6	8.3	8.8	7.4								157.5	
164.0	7.5	7.5	7.1	7.9	8.2	7.1								164.0	
170.6	7.2	7.2	6.6	7.7	7.8	6.6								170.6	
177.2	7.0	6.9	6.2	7.4	7.2	6.2								177.2	
183.7	6.7	6.7	5.8	7.2	6.8	5.7								183.7	
190.3	6.5	6.4	5.5	7.0	6.4	5.5								190.3	
196.9	6.4	6.3	5.1	6.8	6.0	5.1								196.9	
203.4	6.1	6.1	4.8	6.5	5.6	4.9								203.4	
210.0	5.9	5.9	4.5	6.1	5.2	4.6								210.0	
216.5	5.6	5.7	4.2	5.8	4.9	4.2								216.5	
223.1	5.3	4.9	3.8	5.5	4.6	4.2								223.1	
229.7	5.1	4.3	3.7	5.3	4.3	3.7								229.7	
236.2	4.8	3.6	3.4	5.1		3.5								236.2	
242.8	4.6	3.0				3.3								242.8	
249.3	4.4	2.4												249.3	
Code	112222	222211	122222	222221	222222	333333								Code	

Lifting load chart




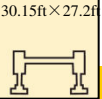
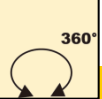
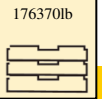


	 193.9~239.5ft		 91.9ft		 30.15ft × 27.2ft		 360°		 176370 lb		 0°		Pounds × 1000		
	193.9ft		193.9ft		209ft		209ft		223.8ft		239.5ft				
	91.9ft		91.9ft		91.9ft		91.9ft		91.9ft		91.9ft				
52.5	11.2	12.3												52.5	
59.1	10.9	12.0			10.4		10.9		9.8					59.1	
65.6	10.7	11.7			10.1		10.7		9.6		8.6			65.6	
72.2	10.5	11.4			10.0		10.5		9.5		8.6			72.2	
78.7	10.2	11.1			9.7		10.2		9.3		8.5			78.7	
85.3	10.0	10.8			9.6		10.1		9.1		8.3			85.3	
91.9	9.8	10.5			9.4		9.8		9.0		8.2			91.9	
98.4	9.6	10.3			9.2		9.6		8.8		8.1			98.4	
105.0	9.4	10.0			9.0		9.4		8.7		8.0			105.0	
111.5	9.1	9.8			8.8		9.2		8.5		7.9			111.5	
118.1	8.9	9.5			8.7		9.0		8.4		7.8			118.1	
124.7	8.7	9.1			8.5		8.8		8.2		7.7			124.7	
131.2	8.5	8.7			8.3		8.6		8.1		7.6			131.2	
137.8	8.1	8.3			8.2		8.4		7.9		7.5			137.8	
144.4	7.9	7.9			8.0		8.3		7.8		7.3			144.4	
150.9	7.5	7.6			7.8		7.9		7.7		7.2			150.9	
157.5	7.1	7.2			7.7		7.7		7.6		7.0			157.5	
164.0	7.0	6.9			7.4		7.4		7.4		6.5			164.0	
170.6	6.6	6.7			7.1		7.1		7.2		6.0			170.6	
177.2	6.4	6.4			6.8		6.8		6.8		5.6			177.2	
183.7	6.2	6.3			6.6		6.6		6.3		5.5			183.7	
190.3	6.1	6.1			6.4		6.4		6.0		5.1			190.3	
196.9	5.8	5.8			6.2		6.2		5.7		4.9			196.9	
203.4	5.7	5.7			6.0		6.0		5.4		4.6			203.4	
210.0	5.5	5.5			5.7		5.8		5.1		4.3			210.0	
216.5	5.3	5.4			5.4		5.5		4.8		4.0			216.5	
223.1	5.0	5.2			5.0		5.2		4.5		3.8			223.1	
229.7	4.8	4.5			4.7		4.9		4.3		3.5			229.7	
236.2	4.5	3.8			4.3		4.7		4.1		3.3			236.2	
242.8	4.3	3.2			4.0		4.4		3.9		3.1			242.8	
249.3	4.0	2.6			3.8		4.2		3.5		2.9			249.3	
255.9	3.8				3.5		4.0		3.3					255.9	
262.5							3.8							262.5	
Code	112222	222211			122222		222221		222222		333333			Code	

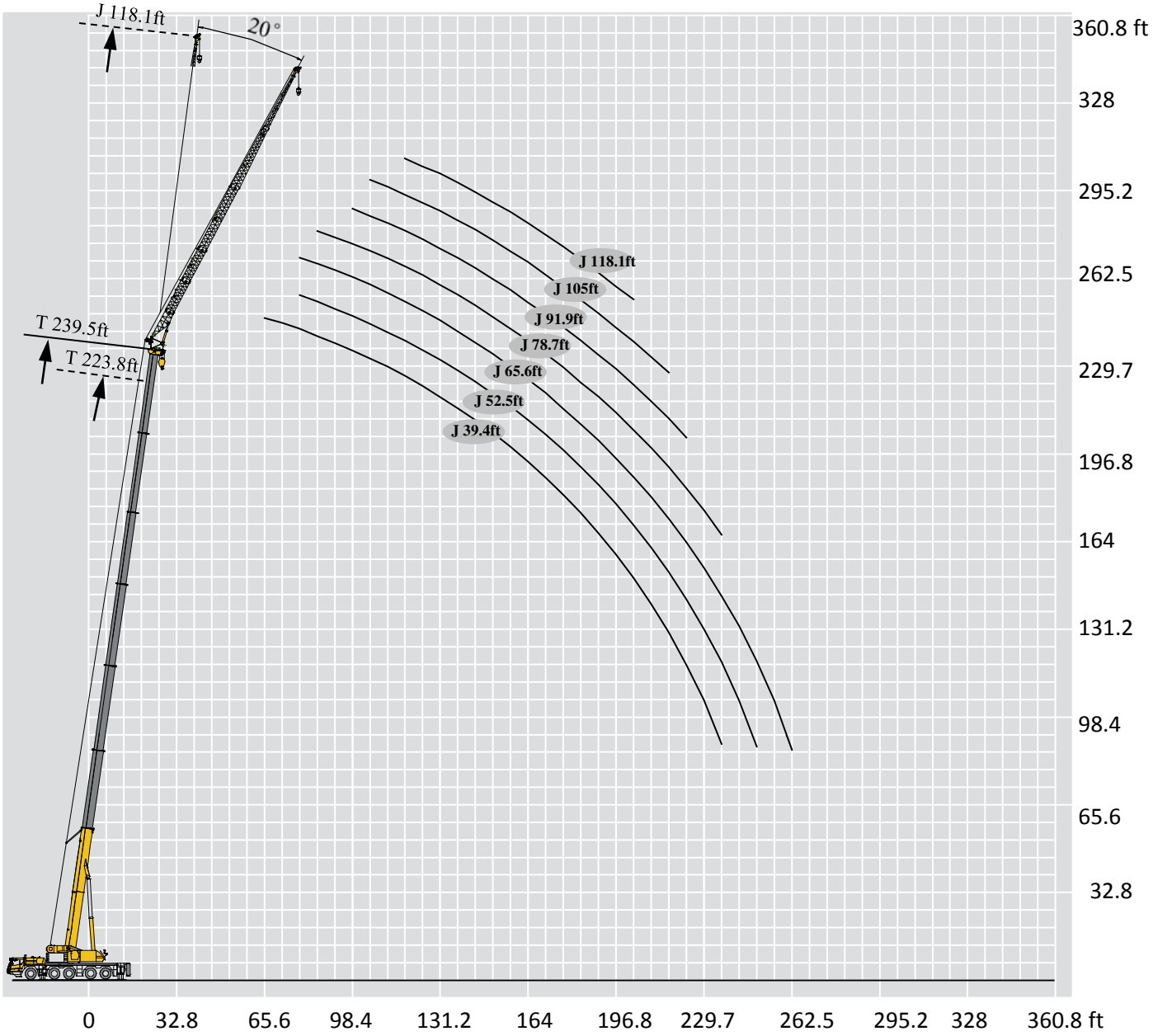
Lifting load chart

	 193.9ft		 105ft		 30.15ft × 27.2ft		 360°		 176370lb		 0°		Pounds × 1000		
	193.9ft		193.9ft		209ft		209ft		223.8ft						
	105ft	105ft	105ft	105ft	105ft	105ft	105ft	105ft							
52.5	9.4	10.4											52.5		
59.1	9.2	10.1			8.7		9.2						59.1		
65.6	9.0	9.8			8.5		9.0		8.1				65.6		
72.2	8.8	9.6			8.4		8.8		8.0				72.2		
78.7	8.6	9.4			8.2		8.6		7.8				78.7		
85.3	8.4	9.1			8.0		8.4		7.7				85.3		
91.9	8.2	8.8			7.9		8.2		7.5				91.9		
98.4	8.0	8.6			7.7		8.1		7.4				98.4		
105.0	7.8	8.4			7.5		7.9		7.2				105.0		
111.5	7.6	8.2			7.4		7.7		7.1				111.5		
118.1	7.5	8.0			7.2		7.5		7.0				118.1		
124.7	7.3	7.8			7.1		7.4		6.9				124.7		
131.2	7.1	7.6			6.9		7.2		6.7				131.2		
137.8	6.9	7.4			6.8		7.1		6.6				137.8		
144.4	6.8	7.2			6.7		6.9		6.5				144.4		
150.9	6.7	7.0			6.5		6.8		6.4				150.9		
157.5	6.5	6.8			6.4		6.6		6.3				157.5		
164.0	6.4	6.7			6.3		6.5		6.2				164.0		
170.6	6.2	6.5			6.2		6.3		6.0				170.6		
177.2	6.1	6.4			5.9		6.2		5.7				177.2		
183.7	6.0	6.1			5.5		5.8		5.3				183.7		
190.3	5.8	6.0			5.1		5.3		5.0				190.3		
196.9	5.6	5.7			4.7		5.0		4.6				196.9		
203.4	5.3	5.5			4.6		4.8		4.3				203.4		
210.0	4.9	5.4			4.4		4.7		4.0				210.0		
216.5	4.6	5.0			4.2		4.5		3.8				216.5		
223.1	4.3	4.7			4.0		4.2		3.5				223.1		
229.7	4.1	4.3			3.7		4.2		3.2				229.7		
236.2	3.8	4.0			3.3		4.0		3.0				236.2		
242.8	3.6	3.7			3.1		3.7		2.7				242.8		
249.3	3.3	3.5			2.8		3.5						249.3		
255.9	3.1	3.3			2.7								255.9		
262.5	2.9				2.5								262.5		
269.0	2.8				2.2								269.0		
Code	112222	222211			122222		222221		222222				Code		



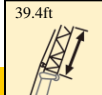
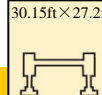

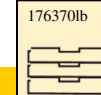
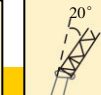



Lifting load chart

	 193.9ft		 118.1ft		 193.9ft		 209ft		 209ft		 223.8ft																																
	118.1ft		118.1ft		118.1ft		118.1ft		118.1ft		118.1ft																																
	59.1	65.6	72.2	78.7	85.3	91.9	98.4	105.0	111.5	118.1	124.7	131.2		137.8	144.4	150.9	157.5	164.0	170.6	177.2	183.7	190.3	196.9	203.4	210.0	216.5	223.1	229.7	236.2	242.8	249.3	255.9	262.5	269.0	275.6	Code							
	7.7	7.6	7.4	7.2	7.0	6.9	6.7	6.5	6.4	6.3	6.2	6.1	6.0	5.9	5.8	5.7	5.6	5.5	5.4	5.3	5.2	5.1	5.0	4.9	4.8	4.7	4.6	4.6	4.4	4.4	4.2	4.2	4.0	3.8	3.7	3.6	3.5	3.4	3.2	2.9	2.8	112222	
	8.5	8.3	8.1	7.9	7.6	7.4	7.2	7.0	6.9	6.7	6.6	6.4	6.3	6.1	6.0	5.9	5.7	5.5	5.4	5.3	5.2	5.1	5.0	4.9	4.8	4.7	4.6	4.6	4.4	4.4	4.2	4.2	4.0	3.9	3.7	3.5	3.3	3.1	3.1	2.8	2.7	2.3	222211
	7.2	7.6	7.4	7.2	7.1	6.9	6.8	6.6	6.6	6.4	6.3	6.1	6.0	5.9	5.8	5.7	5.6	5.5	5.5	5.4	5.3	5.1	5.0	4.9	4.9	4.6	4.6	4.4	4.4	4.2	4.2	4.0	3.7	3.5	3.3	3.1	2.7	2.7	2.3	222221			
	6.7	6.5	6.4	6.3	6.3	6.3	6.0	6.0	5.9	5.7	5.7	5.7	5.7	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.3	5.3	5.1	4.9	4.9	4.6	4.6	4.4	4.4	4.2	4.2	4.0	3.7	3.5	3.3	3.1	2.9	2.9	2.8	2.7	222222		




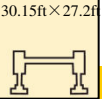
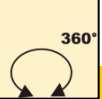
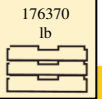




Lifting load chart



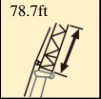
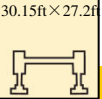
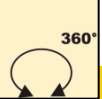
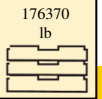


													Pounds × 1000		
	88.9ft	104.0ft	118.8ft	133.9ft	193.9ft	193.9ft	209ft	209ft	223.8ft	239.5ft					
	39.4ft	39.4ft	39.4ft	39.4ft	39.4ft	39.4ft	39.4ft	39.4ft	39.4ft	39.4ft	39.4ft	39.4ft	39.4ft		
26.2	22.2														
29.5	21.3	22.0													
32.8	20.5	21.2													
39.4	19.1	19.8	20.3	20.8											
45.9	17.9	18.6	19.1	19.6											
	16.7	17.4	18.1	18.6											
59.1	15.9	16.6	17.3	17.7	22.5	26.1	21.4	25.0					59.1		
65.6	15.0	15.9	16.5	17.0	21.3	25.2	20.6	24.0	19.8				65.6		
72.2	14.3	15.2	15.7	16.3	20.4	24.8	19.8	23.0	19.2	17.2	72.2				
78.7	13.7	14.5	15.1	15.6	19.3	24.4	19.1	22.0	18.6	16.7	78.7				
85.3	13.1	13.9	14.5	15.0	18.4	23.6	18.3	20.9	17.9	16.2	85.3				
91.9	12.7	13.5	14.1	14.7	17.4	22.3	17.5	19.9	17.3	16.1	91.9				
98.4	12.5	13.0	13.6	14.1	16.6	21.1	16.7	18.9	16.7	15.2	98.4				
105.0	12.1	12.9	13.1	13.8	15.8	20.1	16.0	17.9	16.0	14.4	105.0				
111.5		12.6	12.9	13.4	15.1	19.0	15.3	16.6	15.2	13.2	111.5				
118.1		12.4	12.6	13.1	14.3	17.8	14.4	15.3	14.1	12.3	118.1				
124.7		12.1	12.4	12.9	13.5	16.6	13.6	14.4	13.4	11.7	124.7				
131.2			12.1	12.7	12.7	15.6	12.7	13.4	12.6	11.2	131.2				
137.8				12.4	12.1	15.0	12.0	12.5	11.9	10.4	137.8				
144.4				12.2	11.4	14.1	11.2	11.7	11.5	9.9	144.4				
150.9					10.8	13.4	10.6	11.0	10.8	9.5	150.9				
157.5					10.2	12.8	9.9	10.3	10.4	8.8	157.5				
164.0					9.7	12.1	9.3	9.6	9.7	8.4	164.0				
170.6					9.1	11.7	8.8	9.0	9.3	7.9	170.6				
177.2					8.7	11.0	8.3	8.4	9.0	7.7	177.2				
183.7					8.3	10.8	7.8	7.9	8.6	7.3	183.7				
190.3					7.8	10.4	7.5	7.4	8.2	7.1	190.3				
196.9					7.5	8.8	7.0	7.0	7.9	6.6	196.9				
203.4					7.1	7.9	6.7	6.5	7.7	6.4	203.4				
210.0					6.8	6.8	5.7	5.5	7.3	6.2	210.0				
216.5							5.3	4.9	7.1	6.0	216.5				
223.1							4.9	4.4	6.4	5.5	223.1				
229.7									5.5	5.1	229.7				
236.2									4.4	4.4	236.2				
Code	111000	111100	211100	221100	112222	222211	122222	222221	222222	333333	Code				






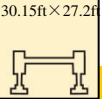
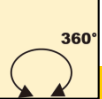
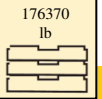


Lifting load chart

							Pounds × 1000		
	193.9ft	193.9ft	209ft	209ft	223.8ft	239.5ft			
	65.6ft	65.6ft	65.6ft	65.6ft	65.6ft	65.6ft			
65.6	9.9	10.1						65.6	
72.2	9.5	9.6		9.7	9.7			72.2	
78.7	9.2	9.2		9.3	9.3	9.5		78.7	
85.3	8.8	8.9		9.0	9.0	9.1	9.1	85.3	
91.9	8.5	8.5		8.7	8.7	8.8	8.9	91.9	
98.4	8.2	8.3		8.4	8.4	8.5	8.7	98.4	
105.0	7.9	8.0		8.1	8.2	8.3	8.5	105.0	
111.5	7.7	7.7		7.9	7.9	8.1	8.3	111.5	
118.1	7.5	7.5		7.7	7.6	7.9	8.1	118.1	
124.7	7.3	7.2		7.5	7.5	7.7	7.9	124.7	
131.2	7.1	7.1		7.3	7.3	7.5	7.8	131.2	
137.8	6.9	6.9		7.2	7.1	7.4	7.7	137.8	
144.4	6.7	6.7		7.0	6.9	7.2	7.5	144.4	
150.9	6.6	6.6		6.9	6.8	7.1	7.4	150.9	
157.5	6.4	6.4		6.7	6.7	7.0	7.1	157.5	
164.0	6.3	6.3		6.6	6.6	6.9	6.7	164.0	
170.6	6.2	6.2		6.5	6.4	6.8	6.2	170.6	
177.2	6.1	6.1		6.4	6.4	6.7	5.7	177.2	
183.7	6.0	5.9		6.3	6.3	6.4	5.5	183.7	
190.3	6.0	5.8		6.2	6.2	6.0	5.3	190.3	
196.9	5.9	5.8		6.2	6.1	5.6	4.9	196.9	
203.4	5.9	5.8		5.9	5.9	5.2	4.6	203.4	
210.0	5.8	5.7		5.5	5.6	5.1	4.4	210.0	
216.5	5.8	5.7		5.2	5.2	4.9	4.0	216.5	
223.1	5.7	5.5		4.9	4.9	4.4		223.1	
229.7	5.4	4.7		4.6	4.5	4.2		229.7	
236.2	5.2	3.9		4.4	4.1	4.0		236.2	
242.8				4.2	3.7	3.7		242.8	
249.3				4.0	3.5	3.5		249.3	
255.9						3.1		255.9	
262.5						2.9		262.5	
Code	112222	222211		122222	222221	222222		333333	Code

Lifting load chart



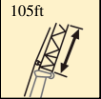
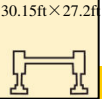
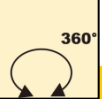
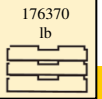



							Pounds × 1000		
	193.9ft	193.9ft	209ft	209ft	223.8ft	239.5ft			
	78.7ft	78.7ft	78.7ft	78.7ft	78.7ft	78.7ft			
72.2	9.5	9.6						72.2	
78.7	9.1	9.2		9.0	9.3			78.7	
85.3	8.8	8.9		8.8	8.9	9.0		85.3	
91.9	8.5	8.5		8.6	8.6	8.7	8.5	91.9	
98.4	8.2	8.2		8.3	8.4	8.5	8.4	98.4	
105.0	7.9	7.9		8.0	8.1	8.2	8.3	105.0	
111.5	7.6	7.7		7.8	7.8	7.9	8.1	111.5	
118.1	7.4	7.4		7.6	7.6	7.7	7.9	118.1	
124.7	7.2	7.2		7.4	7.4	7.5	7.7	124.7	
131.2	7.0	7.0		7.2	7.2	7.4	7.6	131.2	
137.8	6.8	6.8		7.0	7.0	7.3	7.5	137.8	
144.4	6.7	6.6		6.8	6.9	7.0	7.3	144.4	
150.9	6.5	6.5		6.7	6.7	7.0	7.2	150.9	
157.5	6.4	6.3		6.6	6.6	6.8	6.7	157.5	
164.0	6.2	6.2		6.5	6.4	6.7	6.2	164.0	
170.6	6.1	6.1		6.4	6.3	6.6	5.7	170.6	
177.2	6.0	5.9		6.3	6.2	6.3	5.3	177.2	
183.7	5.9	5.8		6.2	6.1	5.9	4.9	183.7	
190.3	5.8	5.7		6.0	6.0	5.5	4.5	190.3	
196.9	5.7	5.7		5.7	5.9	5.1	4.1	196.9	
203.4	5.7	5.6		5.3	5.5	4.8	3.7	203.4	
210.0	5.6	5.5		5.0	5.1	4.4	3.4	210.0	
216.5	5.6	5.4		4.6	4.7	4.0		216.5	
223.1	5.4	5.4		4.4	4.4	3.7		223.1	
229.7	5.1	5.1		4.1	4.0	3.4		229.7	
236.2	4.8	4.5		3.8	3.8	3.1		236.2	
242.8	4.5	3.8		3.6	3.5			242.8	
249.3	4.3	3.0		3.3	3.2			249.3	
255.9				3.1	2.9			255.9	
262.5				2.8	2.6			262.5	
Code	112222	222211		122222	222221	222222		333333	Code

Lifting load chart




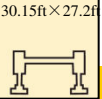
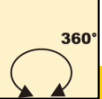
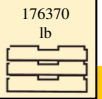



	 193.9ft	 193.9ft	 209ft	 209ft	 223.8ft	 239.5ft	
	91.9ft	91.9ft	91.9ft	91.9ft	91.9ft	91.9ft	
	Pounds × 1000						
85.3	8.0	8.2					85.3
91.9	7.9	7.9	7.7	7.8			91.9
98.4	7.6	7.6	7.5	7.7	7.4		98.4
105.0	7.3	7.3	7.4	7.4	7.2	6.8	105.0
111.5	7.1	7.1	7.2	7.2	7.0	6.7	111.5
118.1	6.8	6.9	7.0	7.0	6.9	6.6	118.1
124.7	6.6	6.7	6.8	6.8	6.8	6.5	124.7
131.2	6.5	6.5	6.6	6.6	6.7	6.4	131.2
137.8	6.3	6.3	6.5	6.5	6.6	6.3	137.8
144.4	6.1	6.1	6.3	6.3	6.4	6.3	144.4
150.9	5.9	5.9	6.1	6.1	6.3	6.2	150.9
157.5	5.8	5.8	6.0	6.0	6.2	6.1	157.5
164.0	5.7	5.6	5.9	5.9	6.1	5.8	164.0
170.6	5.6	5.5	5.8	5.8	6.0	5.3	170.6
177.2	5.5	5.4	5.6	5.6	5.8	4.9	177.2
183.7	5.3	5.3	5.6	5.5	5.4	4.5	183.7
190.3	5.2	5.2	5.5	5.4	5.1	4.1	190.3
196.9	5.2	5.1	5.1	5.3	4.7	3.7	196.9
203.4	5.1	5.0	4.8	5.1	4.3		203.4
210.0	5.0	4.9	4.5	4.7	4.0		210.0
216.5	4.9	4.9	4.2	4.4	3.6		216.5
223.1	4.8	4.8	3.9	4.1	3.3		223.1
229.7	4.5	4.7	3.6	3.7			229.7
236.2	4.3	4.4	3.4	3.3			236.2
242.8	4.0	4.1	3.1	3.1			242.8
249.3	3.8	3.5	2.8	2.8			249.3
255.9	3.5	2.9					255.9
262.5	3.3	2.2					262.5
Code	112222	222211	122222	222221	222222	333333	Code

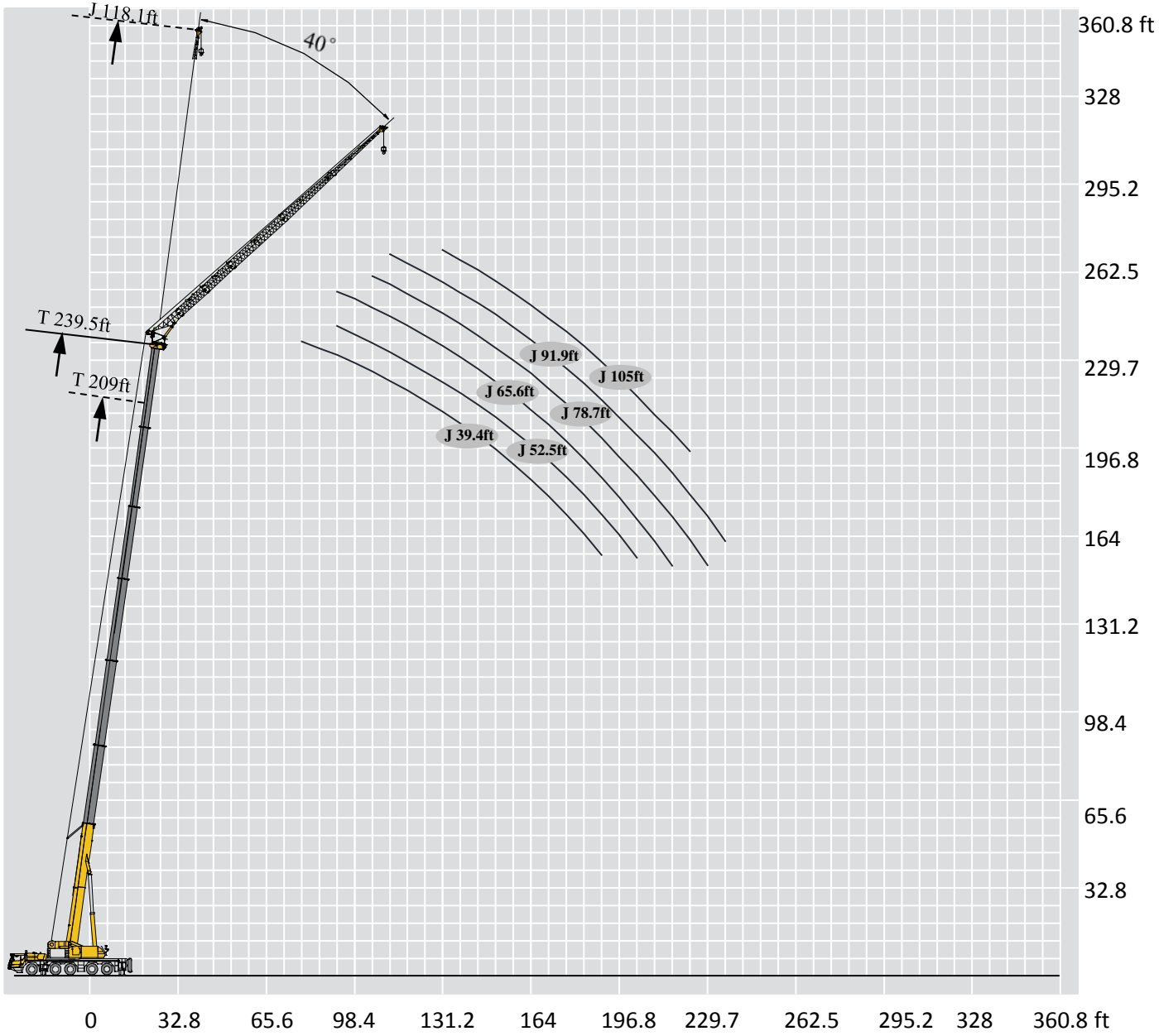


Lifting load chart

									
	193.9ft	193.9ft	209ft	209ft	223.8ft				
	105ft	105ft	105ft	105ft	105ft				
91.9	6.5	6.9						91.9	
98.4	6.4	6.8						98.4	
105.0	6.3	6.6						105.0	
111.5	6.2	6.4						111.5	
118.1	6.0	6.2						118.1	
124.7	5.9	5.9						124.7	
131.2	5.8	5.8						131.2	
137.8	5.6	5.6						137.8	
144.4	5.4	5.4						144.4	
150.9	5.3	5.3						150.9	
157.5	5.1	5.1						157.5	
164.0	5.0	5.0						164.0	
170.6	4.9	4.8						170.6	
177.2	4.8	4.8						177.2	
183.7	4.7	4.6						183.7	
190.3	4.6	4.5						190.3	
196.9	4.5	4.4						196.9	
203.4	4.4	4.4						203.4	
210.0	4.3	4.3						210.0	
216.5	4.3	4.2						216.5	
223.1	4.2	4.1						223.1	
229.7	4.1	4.1						229.7	
236.2	3.9	4.0						236.2	
242.8	3.6	3.9						242.8	
249.3	3.4	3.6						249.3	
255.9	3.2	3.3						255.9	
262.5	3.0	2.8						262.5	
269.0	2.8	2.2						269.0	
275.6	2.5							275.6	
Code	112222	222211		122222		222221		222222	Code

Lifting load chart

															
	193.9ft		193.9ft		209ft		209ft		223.8ft						
	118.1ft	118.1ft	118.1ft	118.1ft	118.1ft	118.1ft	118.1ft	118.1ft							
98.4	5.3	5.5											98.4		
105.0	5.2	5.4			5.0		5.2						105.0		
111.5	5.1	5.3			4.9		5.1						111.5		
118.1	5.0	5.2			4.8		5.0		4.7				118.1		
124.7	4.9	5.1			4.7		4.9		4.6				124.7		
131.2	4.7	5.0			4.6		4.8		4.5				131.2		
137.8	4.6	4.9			4.5		4.7		4.5				137.8		
144.4	4.6	4.7			4.5		4.6		4.4				144.4		
150.9	4.5	4.6			4.4		4.5		4.3				150.9		
157.5	4.4	4.6			4.3		4.4		4.2				157.5		
164.0	4.3	4.4			4.3		4.4		4.2				164.0		
170.6	4.2	4.4			4.2		4.3		4.1				170.6		
177.2	4.0	4.2			4.1		4.2		4.0				177.2		
183.7	4.0	4.2			4.1		4.1		4.0				183.7		
190.3	3.9	4.2			4.0		4.0		3.9				190.3		
196.9	3.8	4.2			3.9		3.9		3.9				196.9		
203.4	3.7	4.0			3.9		3.8		3.6				203.4		
210.0	3.6	4.0			3.7		3.7		3.6				210.0		
216.5	3.6	3.7			3.4		3.7		3.5				216.5		
223.1	3.5	3.7			3.1		3.4		3.3				223.1		
229.7	3.4	3.4							3.1				229.7		
236.2	3.3	3.3							2.9				236.2		
242.8	3.2	3.3							2.6				242.8		
249.3	2.9	3.2							2.2				249.3		
Code	112222	222211			122222		222221		222222				Code		



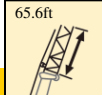
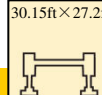

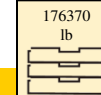
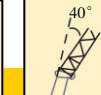





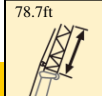
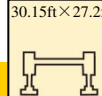

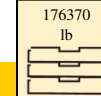
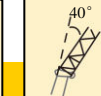

Lifting load chart

Lifting height (ft)	Pounds × 1000										Lifting height (ft)
	88.9ft	104.0ft	118.8ft	133.9ft	193.9ft	193.9ft	209ft	209ft	223.8ft	239.5ft	
	39.4ft	39.4ft	39.4ft	39.4ft	39.4ft	39.4ft	39.4ft	39.4ft	39.4ft	39.4ft	
39.4	15.9										
45.9	15.4	15.7	15.7								
52.5	15.1	15.3	15.4	15.5							
59.1	14.7	15.0	15.2	15.2							
65.6	14.4	14.7	15.0	15.0	20.0	20.3					65.6
72.2	14.2	14.5	14.7	14.8	19.1	20.0	18.8	19.7			72.2
78.7	14.0	14.3	14.5	14.6	18.3	20.0	18.1	19.5	18.0		78.7
85.3	13.9	14.0	14.3	14.3	17.4	19.9	17.4	19.3	17.3	15.8	85.3
91.9	13.9	14.0	14.0	14.2	16.6	19.6	16.7	19.1	16.7	15.3	91.9
98.4		13.8	13.9	14.1	15.9	19.3	16.0	18.6	16.1	14.9	98.4
105.0			13.9	13.9	15.2	19.1	15.3	17.6	15.5	14.1	105.0
111.5			13.9	13.9	14.6	18.6	14.7	16.4	14.7	13.0	111.5
118.1				13.9	14.0	17.4	14.2	15.3	13.9	12.1	118.1
124.7					13.4	16.5	13.5	14.3	13.2	11.7	124.7
131.2					12.7	16.1	12.7	13.4	12.6	10.8	131.2
137.8					12.0	15.4	11.9	12.5	11.9	10.1	137.8
144.4					11.3	14.8	11.2	11.7	11.2	9.9	144.4
150.9					10.8	13.9	10.5	11.0	10.8	9.5	150.9
157.5					10.2	13.2	10.0	10.3	10.4	9.0	157.5
164.0					9.6	12.8	9.4	9.6	9.5	8.4	164.0
170.6					9.2	12.1	8.9	9.1	8.6	7.9	170.6
177.2							8.4	8.4	8.2	7.5	177.2
183.7							7.9	7.9	7.9	7.1	183.7
190.3									7.3	6.6	190.3
196.9										6.4	196.9
203.4										6.0	203.4
Code	111000	111100	211100	221100	112222	222211	122222	222221	222222	333333	Code



Lifting height (ft)	Pounds × 1000						Lifting height (ft)
	193.9ft	193.9ft	209ft	209ft	223.8ft	239.5ft	
	52.5ft	52.5ft	52.5ft	52.5ft	52.5ft	52.5ft	
78.7	14.4	14.8					78.7
85.3	14.1	14.6	13.8	14.3			85.3
91.9	13.9	14.3	13.7	14.1	13.5		91.9
98.4	13.6	14.1	13.6	13.9	13.4	12.7	98.4
105.0	13.2	13.9	13.2	13.7	13.2	12.4	105.0
111.5	12.8	13.8	12.8	13.5	12.8	12.1	111.5
118.1	12.3	13.5	12.4	13.3	12.5	11.4	118.1
124.7	11.8	13.4	12.1	13.2	11.9	10.6	124.7
131.2	11.4	13.3	11.5	12.4	11.1	9.8	131.2
137.8	11.0	13.2	10.9	11.8	10.4	9.2	137.8
144.4	10.6	12.7	10.2	11.0	9.9	8.8	144.4
150.9	10.2	11.9	9.7	10.3	9.5	8.6	150.9
157.5	9.7	11.2	9.3	9.7	9.0	8.2	157.5
164.0	9.2	10.5	8.8	9.5	8.6	7.5	164.0
170.6	8.7	9.9	8.4	8.8	7.9	6.8	170.6
177.2	8.3	9.4	7.9	8.4	7.5	6.6	177.2
183.7	7.9	8.7	7.7	8.2	7.1	6.4	183.7
190.3			7.3	7.7	6.8	6.2	190.3
196.9			6.3	6.4	6.2	6.0	196.9
203.4					6.0	5.7	203.4
210.0						5.5	210.0
216.5						5.1	216.5
Code	112222	222211	122222	222221	222222	333333	Code



Lifting load chart

	 193.9ft		 193.9ft		 209ft		 209ft		 223.8ft		 239.5ft		
	65.6ft		65.6ft		65.6ft		65.6ft		65.6ft		65.6ft		
	85.3	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.0	6.9	6.9	6.9	
91.9	6.9	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	91.9	
98.4	6.8	6.8	6.8	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	98.4	
105.0	6.7	6.7	6.7	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	105.0	
111.5	6.6	6.6	6.6	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	111.5	
118.1	6.5	6.5	6.5	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	118.1	
124.7	6.4	6.4	6.4	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	124.7	
131.2	6.3	6.3	6.3	6.4	6.4	6.4	6.4	6.4	6.5	6.5	6.6	131.2	
137.8	6.2	6.2	6.2	6.4	6.3	6.3	6.3	6.4	6.4	6.4	6.5	137.8	
144.4	6.2	6.1	6.1	6.3	6.3	6.3	6.3	6.4	6.4	6.4	6.5	144.4	
150.9	6.2	6.1	6.1	6.3	6.2	6.2	6.2	6.4	6.4	6.4	6.5	150.9	
157.5	6.1	6.1	6.1	6.2	6.2	6.2	6.2	6.3	6.3	6.3	6.5	157.5	
164.0	6.1	6.0	6.0	6.2	6.1	6.1	6.1	6.3	6.3	6.3	6.5	164.0	
170.6	6.0	6.0	6.0	6.2	6.1	6.1	6.1	6.2	6.2	6.2	6.5	170.6	
177.2	6.0	6.0	6.0	6.2	6.1	6.1	6.1	6.2	6.2	6.2	6.4	177.2	
183.7	6.0	5.7	5.7	6.0	6.1	6.1	6.1	6.2	6.2	6.2	6.2	183.7	
190.3	6.0	5.7	5.7	6.0	6.0	6.0	6.0	6.2	6.2	6.2	5.7	190.3	
196.9	6.0	5.7	5.7	6.0	6.0	6.0	6.0	6.0	6.0	6.0	5.3	196.9	
203.4				6.0	6.0	6.0	6.0	6.0	6.0	6.0	4.9	203.4	
210.0				5.7	5.7	5.7	5.7	5.6	5.6	5.6	4.4	210.0	
216.5								5.2	5.2	5.2	4.0	216.5	
223.1											3.6	223.1	
229.7											3.3	229.7	
Code	112222	222211	122222	222221	222222	333333	Code						




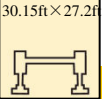

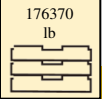


	 193.9ft		 193.9ft		 209ft		 209ft		 223.8ft		 239.5ft		
	78.7ft		78.7ft		78.7ft		78.7ft		78.7ft		78.7ft		
	91.9	6.0	6.1	6.0	6.0	6.0	6.0	6.0	5.9	0.0	5.9	0.0	
98.4	5.9	5.9	5.9	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	98.4	
105.0	5.8	5.8	5.8	5.9	5.9	5.9	5.9	5.9	5.9	5.9	0.0	105.0	
111.5	5.7	5.7	5.7	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.9	111.5	
118.1	5.6	5.6	5.6	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.8	118.1	
124.7	5.5	5.5	5.5	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.7	124.7	
131.2	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.7	131.2	
137.8	5.4	5.4	5.4	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.6	137.8	
144.4	5.3	5.3	5.3	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.6	144.4	
150.9	5.3	5.2	5.2	5.4	5.3	5.3	5.3	5.4	5.4	5.4	5.5	150.9	
157.5	5.2	5.2	5.2	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.5	157.5	
164.0	5.2	5.1	5.1	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.5	164.0	
170.6	5.2	5.1	5.1	5.3	5.2	5.2	5.2	5.3	5.3	5.3	5.5	170.6	
177.2	5.2	5.1	5.1	5.3	5.2	5.2	5.2	5.3	5.3	5.3	5.4	177.2	
183.7	5.2	5.1	5.1	5.3	5.2	5.2	5.2	5.3	5.3	5.3	5.1	183.7	
190.3	5.2	5.1	5.1	5.3	5.2	5.2	5.2	5.3	5.3	5.3	4.7	190.3	
196.9	5.2	5.1	5.1	5.3	5.2	5.2	5.2	5.2	5.2	5.2	4.2	196.9	
203.4	5.2	5.1	5.1	5.2	5.2	5.2	5.2	4.9	4.9	4.9	3.9	203.4	
210.0	5.3	5.1	5.1	5.0	5.1	5.1	5.1	4.5	4.5	4.5	3.6	210.0	
216.5				4.7	4.8	4.8	4.8	4.2	4.2	4.2	3.2	216.5	
223.1								3.8	3.8	3.8		223.1	
229.7								3.5	3.5	3.5		229.7	
Code	112222	222211	122222	222221	222222	333333	Code						

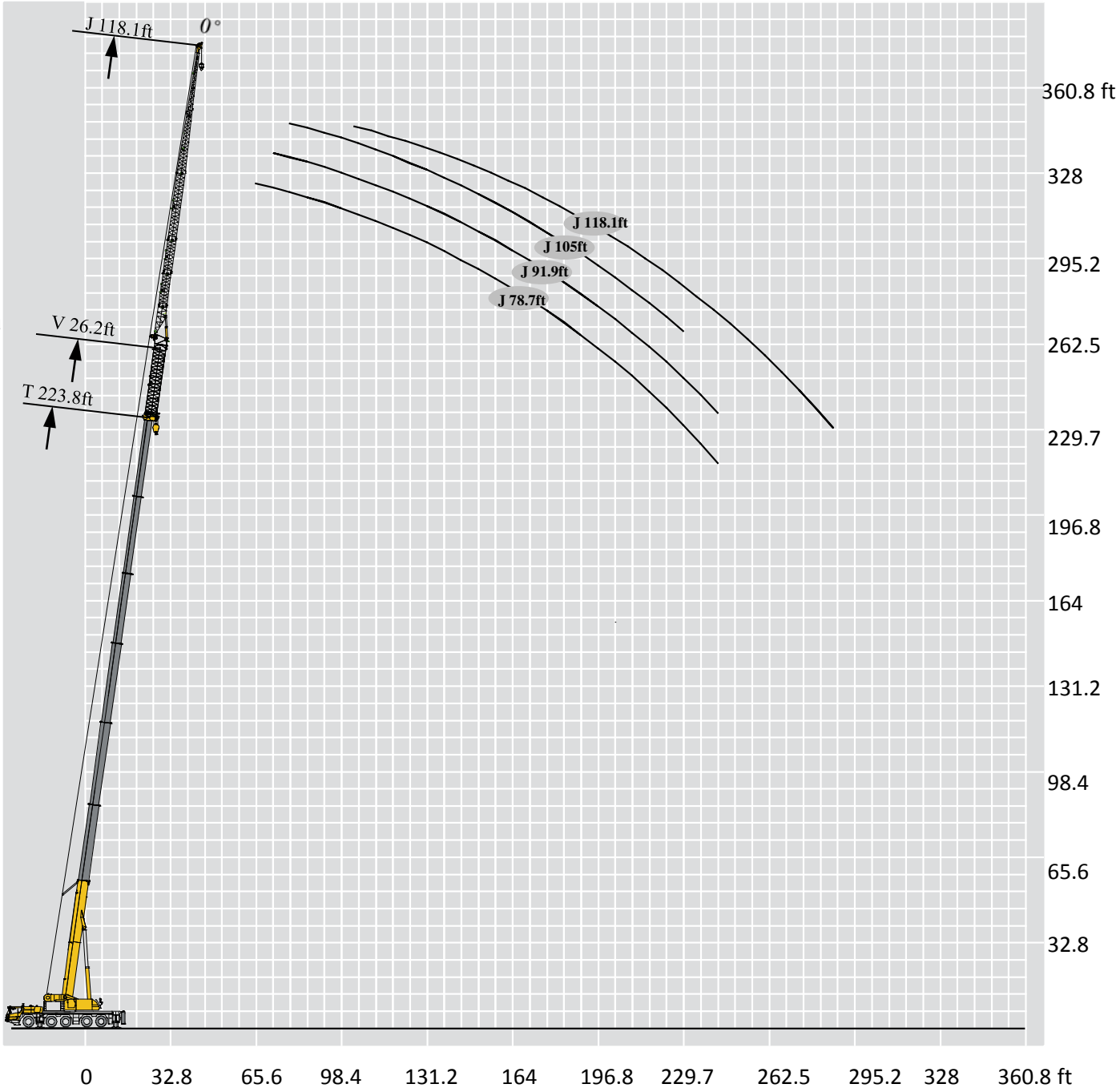
Lifting load chart

	193.9-239.5ft		91.9ft		30.15ft×27.2ft		360°		176370 lb		40°		Pounds×1000		
	193.9ft		193.9ft		209ft		209ft		223.8ft		239.5ft				
	91.9ft		91.9ft		91.9ft		91.9ft		91.9ft		91.9ft				
105.0	5.3	5.4												105.0	
111.5	5.2	5.2			5.3	5.3			5.3					111.5	
118.1	5.1	5.2			5.2	5.2			5.2					118.1	
124.7	5.0	5.0			5.1	5.1			5.1		5.1			124.7	
131.2	5.0	4.9			5.0	5.0			5.0		5.1	5.1		131.2	
137.8	4.9	4.9			5.0	4.9			5.0		5.0	5.1		137.8	
144.4	4.8	4.8			4.9	4.9			4.9		4.9	5.0		144.4	
150.9	4.7	4.7			4.8	4.8			4.8		4.9	5.0		150.9	
157.5	4.7	4.6			4.8	4.7			4.8		4.8	4.9		157.5	
164.0	4.7	4.6			4.7	4.7			4.7		4.8	4.9		164.0	
170.6	4.6	4.6			4.7	4.7			4.7		4.8	4.9		170.6	
177.2	4.6	4.5			4.7	4.6			4.6		4.7	4.9		177.2	
183.7	4.5	4.5			4.7	4.6			4.6		4.7	4.7		183.7	
190.3	4.5	4.4			4.7	4.6			4.6		4.7	4.3		190.3	
196.9	4.5	4.4			4.7	4.6			4.6		4.7	3.9		196.9	
203.4	4.5	4.4			4.7	4.6			4.4		4.4	3.6		203.4	
210.0	4.5	4.4			4.6	4.6			4.1					210.0	
216.5	4.6	4.4			4.2	4.5			3.7					216.5	
223.1	4.7	4.5			3.9	4.1			3.5					223.1	
229.7					3.7	3.8			3.1					229.7	
236.2									2.8					236.2	
Code	112222	222211			122222	222221			222222		333333			Code	

	193.9-223.8ft		105ft		30.15ft×27.2ft		360°		176370 lb		40°		Pounds×1000		
	193.9ft		193.9ft		209ft		209ft		223.8ft						
	105ft		105ft		105ft		105ft		105ft						
118.1	4.5	4.5												118.1	
124.7	4.4	4.4			4.5	4.4			4.4					124.7	
131.2	4.3	4.3			4.4	4.4			4.4		4.4			131.2	
137.8	4.3	4.3			4.3	4.3			4.3		4.4			137.8	
144.4	4.2	4.2			4.2	4.2			4.2		4.3			144.4	
150.9	4.1	4.1			4.2	4.2			4.2		4.2			150.9	
157.5	4.0	4.0			4.1	4.1			4.1		4.2			157.5	
164.0	4.0	4.0			4.1	4.0			4.0		4.1			164.0	
170.6	3.9	3.9			4.0	4.0			4.0		4.1			170.6	
177.2	3.9	3.9			4.0	3.9			3.9		4.1			177.2	
183.7	3.9	3.8			3.9	3.9			3.9		4.0			183.7	
190.3	3.8	3.8			3.9	3.9			3.9		4.0			190.3	
196.9	3.8	3.8			3.9	3.9			3.9		4.0			196.9	
203.4	3.8	3.8			3.9	3.9			3.9		4.0			203.4	
210.0	3.8	3.8			3.9	3.8			3.8		3.9			210.0	
216.5	3.8	3.8			3.9	3.8			3.8		3.6			216.5	
223.1	3.8	3.8			3.7	3.8			3.8		3.2			223.1	
229.7	3.9	3.8			3.4	3.6			3.6					229.7	
236.2	3.9	3.8			3.1	3.3			3.3					236.2	
242.8					2.9	3.0			3.0					242.8	
Code	112222	222211			122222	222221			222222					Code	



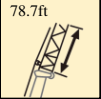
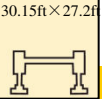
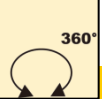
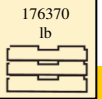


Lifting load chart

	 193.9-209ft	 118.1ft	 30.15ft×27.2ft	 360°	 176370 lb	 40°	Pounds × 1000	
	193.9ft	193.9ft	209ft	209ft				
	118.1ft	118.1ft	118.1ft	118.1ft				
131.2	3.7	3.7						131.2
137.8	3.6	3.6			3.6		3.6	137.8
144.4	3.5	3.5			3.5		3.6	144.4
150.9	3.4	3.5			3.5		3.5	150.9
157.5	3.4	3.4			3.4		3.4	157.5
164.0	3.3	3.3			3.4		3.4	164.0
170.6	3.3	3.2			3.3		3.3	170.6
177.2	3.2	3.2			3.3		3.3	177.2
183.7	3.2	3.2			3.3		3.2	183.7
190.3	3.1	3.1			3.2		3.2	190.3
196.9	3.1	3.1			3.2		3.2	196.9
203.4	3.1	3.1			3.2		3.1	203.4
210.0	3.1	3.0			3.2		3.1	210.0
216.5	3.1	3.0			3.1		3.1	216.5
223.1	3.1	3.0			3.1		3.1	223.1
229.7	3.1	3.0			3.0		3.1	229.7
236.2	3.1	3.0					3.0	236.2
242.8	3.1	3.0						242.8
249.3	3.0	3.0						249.3
Code	112222	222211			122222		222221	Code



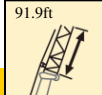
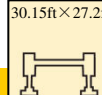

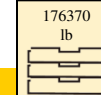
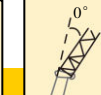





Lifting load chart



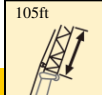
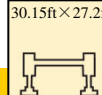

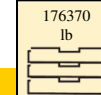
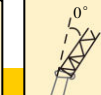

	 193.9 +26.2ft	 193.9 +26.2ft	 209 +26.2ft	 209+26.2ft	 223.8+26.2ft		
	78.7ft	78.7ft	78.7ft	78.7ft	78.7ft		
52.5	10.1	11.2					52.5
59.1	10.1	11.0	9.4	10.1			59.1
65.6	9.9	11.1	9.3	10.0	8.9		65.6
72.2	9.8	10.9	9.3	9.9	8.8		72.2
78.7	9.7	10.7	9.1	9.8	8.6		78.7
85.3	9.5	10.6	9.0	9.6	8.5		85.3
91.9	9.3	10.4	8.8	9.5	8.4		91.9
98.4	9.1	10.1	8.7	9.3	8.3		98.4
105.0	8.9	9.9	8.5	9.1	8.2		105.0
111.5	8.5	9.7	8.4	8.9	8.0		111.5
118.1	8.2	9.5	8.1	8.8	7.9		118.1
124.7	7.9	9.3	7.8	8.6	7.7		124.7
131.2	7.6	9.1	7.6	8.4	7.5		131.2
137.8	7.3	8.9	7.3	8.3	7.3		137.8
144.4	7.1	8.6	7.0	8.1	7.0		144.4
150.9	6.8	8.4	6.8	8.0	6.8		150.9
157.5	6.6	8.2	6.6	7.8	6.6		157.5
164.0	6.3	8.0	6.4	7.7	6.4		164.0
170.6	6.1	7.7	6.1	7.3	6.1		170.6
177.2	5.9	7.5	5.9	6.9	6.0		177.2
183.7	5.7	7.2	5.7	6.4	5.6		183.7
190.3	5.4	7.0	5.5	6.0	5.3		190.3
196.9	5.2	6.7	5.3	5.5	4.9		196.9
203.4	5.0	6.5	4.9	5.1	4.6		203.4
210.0	4.8	6.0	4.5	4.8	4.3		210.0
216.5	4.5	5.7	4.2	4.4	4.1		216.5
223.1	4.3	5.3	3.9	4.1	3.8		223.1
229.7	4.0	4.9	3.5	3.7	3.6		229.7
236.2	3.8	4.4	3.1	3.4	3.4		236.2
242.8	3.6	4.2	2.9	3.2	3.2		242.8
249.3	3.4	3.5	2.6	3.1	2.9		249.3
255.9	3.2	3.1	2.2	2.9	2.6		255.9
262.5	3.0	2.6		2.4			262.5
269.0	2.8	2.4					269.0
275.6	2.6						275.6
Code	112222	222211	122222	222221	222222		Code

Lifting load chart

	 193.9 +26.2ft	 193.9 +26.2ft	 209 +26.2ft	 209+26.2ft	 223.8+26.2ft		
	91.9ft	91.9ft	91.9ft	91.9ft	91.9ft		
59.1	8.4	9.4					59.1
65.6	8.3	9.3	7.8	8.3			65.6
72.2	8.2	9.1	7.7	8.2	7.3		72.2
78.7	8.0	8.9	7.6	8.1	7.2		78.7
85.3	7.9	8.7	7.5	8.0	7.1		85.3
91.9	7.8	8.6	7.4	7.9	7.0		91.9
98.4	7.7	8.4	7.3	7.7	7.0		98.4
105.0	7.6	8.3	7.2	7.6	6.9		105.0
111.5	7.4	8.1	7.1	7.5	6.8		111.5
118.1	7.3	8.0	7.0	7.4	6.7		118.1
124.7	7.0	7.8	6.9	7.3	6.6		124.7
131.2	6.8	7.7	6.7	7.2	6.5		131.2
137.8	6.5	7.5	6.5	7.1	6.4		137.8
144.4	6.3	7.4	6.3	7.0	6.2		144.4
150.9	6.1	7.3	6.1	6.8	6.0		150.9
157.5	5.8	7.1	5.8	6.7	5.8		157.5
164.0	5.6	6.9	5.6	6.6	5.6		164.0
170.6	5.4	6.8	5.4	6.4	5.5		170.6
177.2	5.2	6.6	5.3	6.2	5.3		177.2
183.7	5.0	6.4	5.1	6.0	5.1		183.7
190.3	4.8	6.2	4.9	5.5	4.8		190.3
196.9	4.6	6.0	4.6	5.2	4.5		196.9
203.4	4.5	5.8	4.3	4.9	4.2		203.4
210.0	4.3	5.6	4.1	4.6	3.9		210.0
216.5	4.1	5.4	3.9	4.3	3.6		216.5
223.1	4.0	5.2	3.6	3.9	3.4		223.1
229.7	3.7	4.7	3.4	3.7	3.1		229.7
236.2	3.5	4.1	3.2	3.4	2.5		236.2
242.8	3.3	3.5	3.0	3.2	2.3		242.8
249.3	3.1	2.9	2.8	3.0			249.3
255.9	2.9	2.3		2.8			255.9
262.5	2.7	2.2		2.6			262.5
269.0	2.5			2.4			269.0
275.6	2.4			2.2			275.6
Code	112222	222211	122222	222221	222222		Code




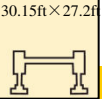
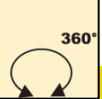
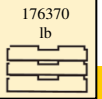


Pounds × 1000

Lifting load chart

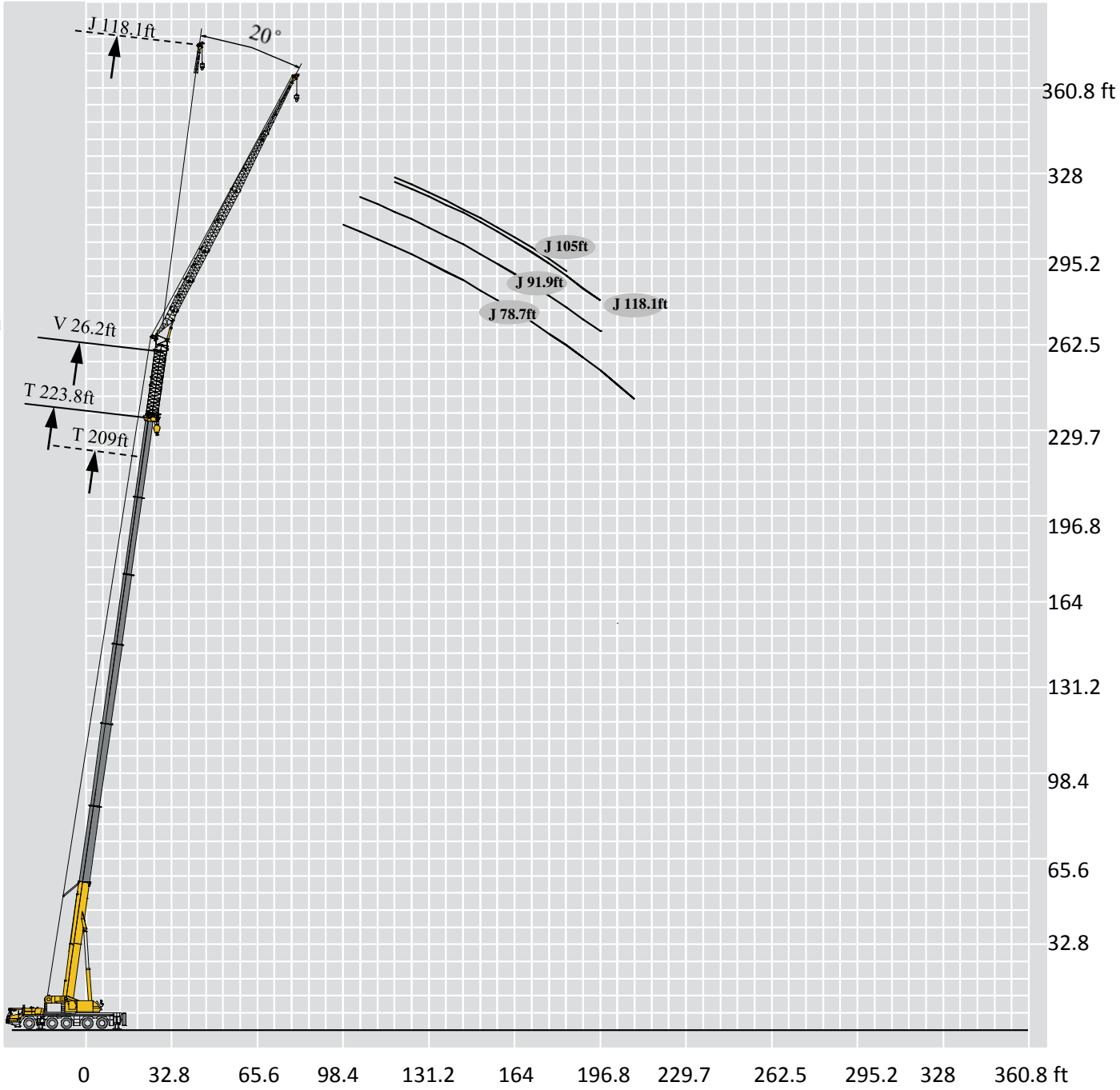
	 193.9 +26.2ft	 193.9 +26.2ft	 209 +26.2ft	 209 +26.2ft	 223.8 +26.2ft		
	105ft	105ft	105ft	105ft	105ft		
65.6	7.5	8.3					65.6
72.2	7.4	8.2	6.9	7.4			72.2
78.7	7.3	8.1	6.9	7.3	6.5		78.7
85.3	7.1	7.9	6.8	7.2	6.4		85.3
91.9	7.0	7.8	6.7	7.1	6.3		91.9
98.4	6.9	7.6	6.6	7.0	6.2		98.4
105.0	6.8	7.5	6.5	6.9	6.2		105.0
111.5	6.7	7.3	6.4	6.7	6.1		111.5
118.1	6.6	7.2	6.3	6.6	6.0		118.1
124.7	6.5	7.0	6.2	6.5	5.9		124.7
131.2	6.4	6.9	6.1	6.5	5.8		131.2
137.8	6.3	6.8	6.0	6.4	5.8		137.8
144.4	6.1	6.6	5.9	6.2	5.7		144.4
150.9	5.9	6.5	5.8	6.1	5.6		150.9
157.5	5.6	6.4	5.6	6.0	5.6		157.5
164.0	5.5	6.3	5.4	5.9	5.2		164.0
170.6	5.2	6.2	5.1	5.7	5.1		170.6
177.2	5.0	6.0	4.7	5.5	5.1		177.2
183.7	4.8	5.9	4.6	5.3	4.9		183.7
190.3	4.6	5.6	4.4	5.1	4.5		190.3
196.9	4.3	5.2	4.3	4.8	4.2		196.9
203.4	4.0	4.7	4.0	4.5	3.5		203.4
210.0	4.0	4.9	3.3	4.2	3.1		210.0
216.5	3.7	4.6	3.1	3.9			216.5
223.1	3.7	4.6	2.9	3.3			223.1
229.7	3.5	4.3	2.4	2.6			229.7
236.2	3.3	4.0		2.2			236.2
242.8	3.1	3.8					242.8
249.3	2.9	3.1					249.3
255.9	2.7						255.9
Code	112222	222211	122222	222221	222222		Code

Pounds × 1000



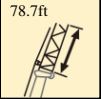
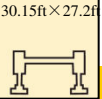
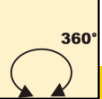
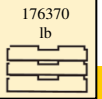


Lifting load chart

	 193.9+26.2ft	 193.9 +26.2ft	 209 +26.2ft	 209+26.2ft	 223.8+26.2ft		
	118.1ft	118.1ft	118.1ft	118.1ft	118.1ft		
72.2	6.1	6.9			5.2	72.2	
78.7	6.1	6.7	5.7		5.2	78.7	
85.3	6.0	6.6	5.6		5.2	85.3	
91.9	5.9	6.5	5.5		5.2	91.9	
98.4	5.7	6.3	5.4		5.1	98.4	
105.0	5.6	6.2	5.4		5.0	105.0	
111.5	5.5	6.1	5.3		4.9	111.5	
118.1	5.4	6.0	5.2		4.8	118.1	
124.7	5.3	5.8	5.1		4.7	124.7	
131.2	5.2	5.7	5.0		4.7	131.2	
137.8	5.1	5.6	4.9		4.6	137.8	
144.4	5.1	5.5	4.9		4.5	144.4	
150.9	5.0	5.4	4.8		4.5	150.9	
157.5	4.9	5.3	4.7		4.4	157.5	
164.0	4.8	5.2	4.6		4.3	164.0	
170.6	4.6	5.1	4.6		4.2	170.6	
177.2	4.4	5.0	4.4		3.9	177.2	
183.7	4.2	4.9	4.2		3.6	183.7	
190.3	4.0	4.8	4.1		3.3	190.3	
196.9	3.9	4.7				196.9	
203.4	3.7	4.3				203.4	
210.0	3.6	4.0				210.0	
216.5		4.0				216.5	
223.1		4.0				223.1	
229.7		3.7				229.7	
Code	112222	222211	122222	222221	222221	Code	

Pounds × 1000



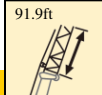
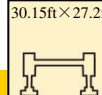

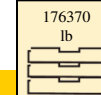
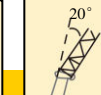
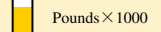



Lifting load chart



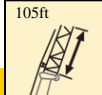
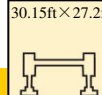

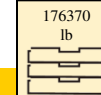
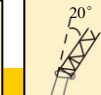
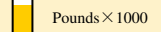

	 193.9 +26.2ft	 193.9 +26.2ft	 209 +26.2ft	 209+26.2ft	 223.8+26.2ft		
	78.7ft	78.7ft	78.7ft	78.7ft	78.7ft		
85.3	8.2	9.0					85.3
91.9	8.1	8.8	7.7	8.2			91.9
98.4	8.0	8.5	7.6	8.0	7.7		98.4
105.0	7.9	8.3	7.5	7.9	7.5		105.0
111.5	7.7	8.0	7.4	7.8	7.3		111.5
118.1	7.6	7.8	7.3	7.7	7.3		118.1
124.7	7.5	7.6	7.2	7.6	7.2		124.7
131.2	7.3	7.4	7.1	7.4	7.1		131.2
137.8	7.1	7.2	7.0	7.3	7.0		137.8
144.4	6.8	7.0	6.8	7.2	6.9		144.4
150.9	6.6	6.9	6.6	7.1	6.8		150.9
157.5	6.4	6.7	6.4	7.0	6.7		157.5
164.0	6.2	6.6	6.2	6.9	6.6		164.0
170.6	6.0	6.5	6.0	6.7	6.5		170.6
177.2	5.8	6.4	5.7	6.2	6.0		177.2
183.7	5.6	6.2	5.3	6.0	5.7		183.7
190.3	5.4	6.2	5.0	5.9	5.4		190.3
196.9	5.3	6.0	4.6	5.8	5.1		196.9
203.4	5.0	5.7	4.2	5.6	4.9		203.4
210.0	4.7	5.5	3.9	5.3	4.6		210.0
216.5	4.4	5.3	3.6	5.1	4.4		216.5
223.1	4.1	5.3	3.3	4.8	4.1		223.1
229.7	3.9	5.2	3.0	4.5	3.9		229.7
236.2	3.5	5.1	2.9	4.3	3.7		236.2
242.8	3.3	4.9	2.6	4.1	3.5		242.8
249.3	3.1	4.2	2.4	3.9	3.3		249.3
255.9	2.9	3.7	2.2	3.3	3.1		255.9
262.5	2.6	3.3		2.6	3.0		262.5
Code	112222	222211	122222	222221	222222		Code

Pounds × 1000

Lifting load chart


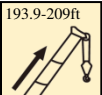
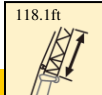
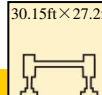

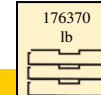
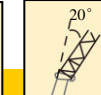

									
	193.9 +26.2ft	193.9 +26.2ft	209 +26.2ft	209+26.2ft	223.8+26.2ft				
	91.9ft	91.9ft	91.9ft	91.9ft	91.9ft				
91.9	6.8	7.4						91.9	
98.4	6.7	7.3		6.4	6.8			98.4	
105.0	6.6	7.2		6.3	6.7	6.0		105.0	
111.5	6.5	7.0		6.2	6.6	6.0		111.5	
118.1	6.4	6.9		6.1	6.5	5.9		118.1	
124.7	6.3	6.8		6.1	6.4	5.8		124.7	
131.2	6.2	6.7		6.0	6.3	5.7		131.2	
137.8	6.1	6.6		5.9	6.2	5.7		137.8	
144.4	6.0	6.4		5.8	6.1	5.6		144.4	
150.9	5.9	6.3		5.7	6.0	5.5		150.9	
157.5	5.6	6.1		5.6	5.9	5.5		157.5	
164.0	5.4	6.0		5.4	5.8	5.4		164.0	
170.6	5.2	5.8		5.3	5.7	5.3		170.6	
177.2	5.1	5.8		5.1	5.6	4.9		177.2	
183.7	4.9	5.7		4.9	5.4	4.5		183.7	
190.3	4.8	5.6		4.5	5.1	4.1		190.3	
196.9	4.6	5.5		4.2	4.9	3.7		196.9	
203.4	4.4	5.4		3.8	4.5			203.4	
210.0	4.2	4.9		3.5	4.0			210.0	
216.5	3.9	4.5			3.9			216.5	
223.1	3.6	4.2						223.1	
229.7	3.3	3.8						229.7	
236.2	3.1	3.5						236.2	
242.8	2.6	3.1						242.8	
Code	112222	222211		122222	222221			222222	Code

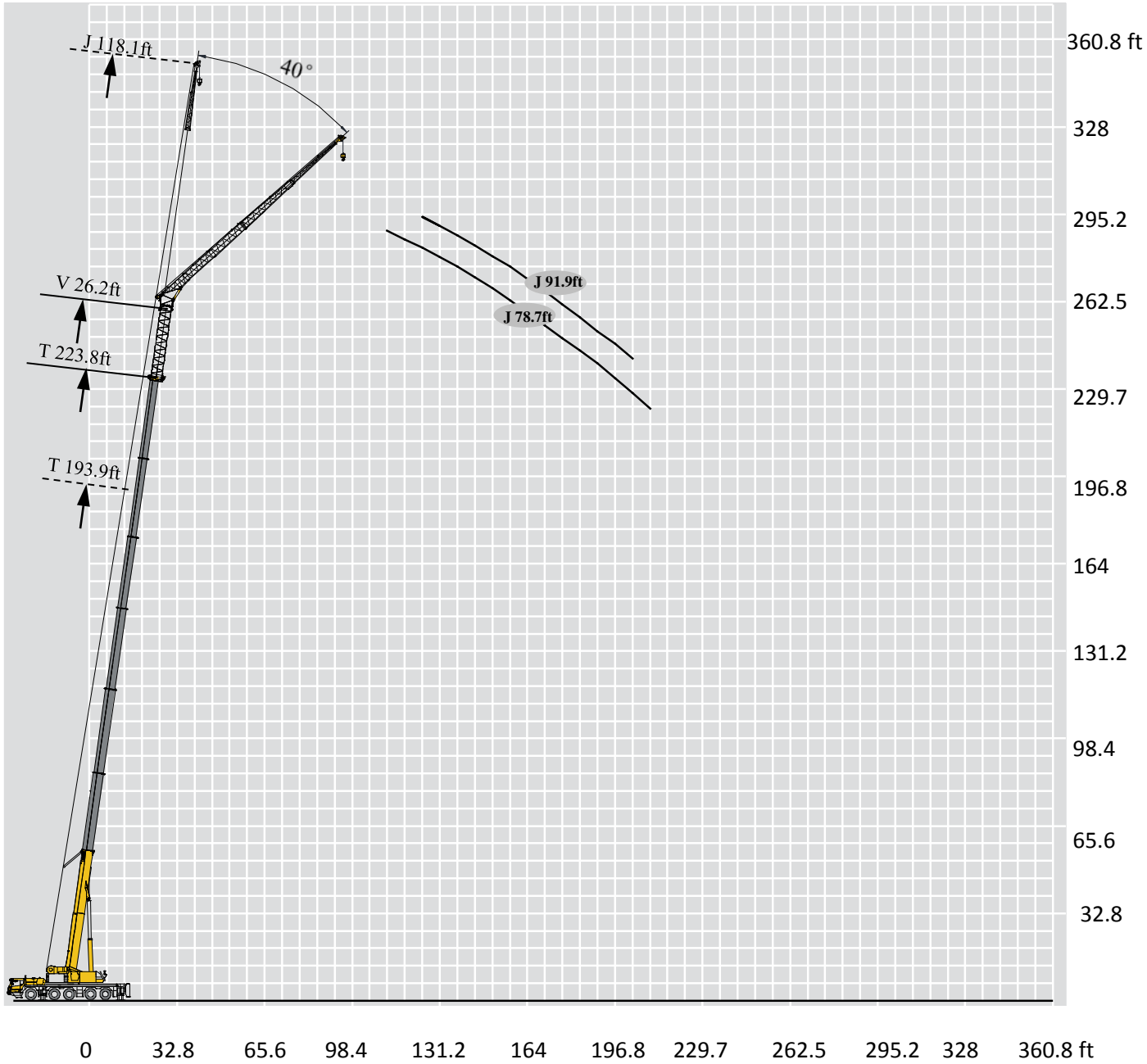
Lifting load chart

								
	193.9 +26.2ft	193.9 +26.2ft	209 +26.2ft	209+26.2ft	223.8+26.2ft			
	105ft	105ft	105ft	105ft	105ft			
105.0	5.6	6.1						105.0
111.5	5.5	6.0		5.3	5.6			111.5
118.1	5.5	5.9		5.2	5.5	5.0		118.1
124.7	5.4	5.8		5.1	5.4	4.9		124.7
131.2	5.3	5.7		5.1	5.3	4.8		131.2
137.8	5.2	5.6		5.0	5.2	4.8		137.8
144.4	5.1	5.5		4.9	5.2	4.7		144.4
150.9	5.0	5.4		4.8	5.1	4.7		150.9
157.5	5.0	5.3		4.8	5.0	4.6		157.5
164.0	4.9	5.2		4.7	4.9	4.6		164.0
170.6	4.7	5.1		4.7	4.9	4.5		170.6
177.2	4.5	5.0		4.6	4.8	4.5		177.2
183.7	4.4	4.9		4.4	4.7	4.3		183.7
190.3	4.2	4.8		4.2	4.7	4.2		190.3
196.9	4.1	4.7		3.9	4.4	4.0		196.9
203.4	3.9	4.7			4.0			203.4
210.0	3.8	4.6						210.0
216.5	3.6	4.4						216.5
223.1	3.3	4.0						223.1
229.7		3.7						229.7
236.2		3.3						236.2
Code	112222	222211		122222	222221	222222		Code







Lifting load chart

							Pounds × 1000	
	193.9 +26.2ft	118.1ft	193.9 +26.2ft	118.1ft	209 +26.2ft	118.1ft		
	118.1ft	118.1ft	118.1ft	118.1ft	118.1ft	118.1ft		
111.5	4.6	5.0						111.5
118.1	4.5	4.9			4.3			118.1
124.7	4.5	4.7			4.3	4.6		124.7
131.2	4.4	4.7			4.2	4.6		131.2
137.8	4.3	4.6			4.2	4.7		137.8
144.4	4.3	4.5			4.1	4.6		144.4
150.9	4.2	4.4			4.0	4.5		150.9
157.5	4.1	4.4			4.0	4.4		157.5
164.0	4.1	4.3			3.9	4.2		164.0
170.6	4.0	4.2			3.9	4.1		170.6
177.2	3.9	4.2			3.8	4.1		177.2
183.7	3.8	4.1			3.8	4.0		183.7
190.3	3.7	4.0				3.9		190.3
196.9	3.5	4.0				3.8		196.9
203.4	3.4	3.9						203.4
210.0	3.3	3.9						210.0
216.5		3.8						216.5
223.1		3.6						223.1
Code	112222	222211			122222	222221		Code





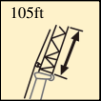
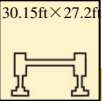

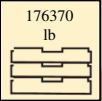


Lifting load chart


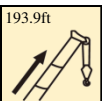

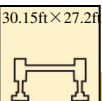
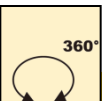
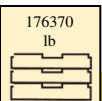
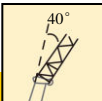

	193.9-223.8ft		78.7ft		30.15ft×27.2ft		360°		176370 lb		40°		Pounds × 1000		
	193.9 +26.2ft		193.9 +26.2ft		209 +26.2ft		209+26.2ft		223.8+26.2ft						
	78.7ft		78.7ft		78.7ft		78.7ft		78.7ft						
105.0	5.9	5.9												105.0	
111.5	5.9	5.8			5.9				5.9				5.9	111.5	
118.1	5.8	5.8			5.9				5.8				5.9	118.1	
124.7	5.7	5.7			5.8				5.8				5.8	124.7	
131.2	5.6	5.6			5.7				5.7				5.8	131.2	
137.8	5.6	5.5			5.7				5.6				5.7	137.8	
144.4	5.5	5.5			5.6				5.6				5.7	144.4	
150.9	5.5	5.4			5.6				5.5				5.7	150.9	
157.5	5.5	5.3			5.6				5.5				5.7	157.5	
164.0	5.5	5.3			5.6				5.5				5.7	164.0	
170.6	5.4	5.3			5.6				5.5				5.7	170.6	
177.2	5.4	5.3			5.6				5.5				5.5	177.2	
183.7	5.4	5.3			5.4				5.5				5.1	183.7	
190.3	5.4	5.2			5.0				5.4				4.9	190.3	
196.9	5.2	5.2			4.9				5.1				4.5	196.9	
203.4	5.1	5.2			4.5				4.9				4.4	203.4	
210.0	4.8	5.2			4.2				4.7				4.2	210.0	
216.5	4.5	5.1			3.9				4.4					216.5	
223.1	4.3	4.7			3.7				4.2					223.1	
229.7	4.0	4.4			3.4				4.0					229.7	
236.2					3.1				3.7					236.2	
Code	112222	222211			122222				222221				222222	Code	

	193.9-223.8ft		91.9ft		29.8ft×27.2ft		360°		176370 lb		40°		Pounds × 1000		
	193.9 +26.2ft		193.9 +26.2ft		209 +26.2ft		209+26.2ft		223.8+26.2ft						
	91.9ft		91.9ft		91.9ft		91.9ft		91.9ft						
111.5	5.3	5.3												111.5	
118.1	5.2	5.2			5.2				5.2					118.1	
124.7	5.2	5.2			5.2				5.2				4.9	124.7	
131.2	5.1	5.1			5.1				5.1				4.9	131.2	
137.8	5.0	5.0			5.1				5.0				4.8	137.8	
144.4	5.0	4.9			5.0				5.0				4.8	144.4	
150.9	4.9	4.9			4.9				5.0				4.8	150.9	
157.5	4.9	4.8			4.9				4.9				4.7	157.5	
164.0	4.9	4.7			4.9				4.9				4.7	164.0	
170.6	4.8	4.7			4.8				4.9				4.7	170.6	
177.2	4.8	4.7			4.8				4.9				4.7	177.2	
183.7	4.7	4.7			4.7				4.8				4.6	183.7	
190.3	4.6	4.6			4.6				4.8				4.3	190.3	
196.9	4.5	4.6			4.3				4.7				4.0	196.9	
203.4	4.3	4.6			4.0				4.3				3.6	203.4	
210.0	4.2	4.6			3.6				4.3				3.3	210.0	
216.5	4.0	4.6			3.3				4.0				3.1	216.5	
223.1	3.7	4.4							3.5					223.1	
229.7	3.5	4.0							3.3					229.7	
236.2	3.2	3.7							3.0					236.2	
242.8	2.9	3.3							2.8					242.8	
Code	112222	222211			122222				222221				222222	Code	

# Lifting load chart



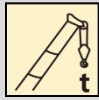
















T 193.9~209 ft

	 193.9-209ft	 105ft	 30.15ft×27.2ft	 360°	 176370 lb	 40°	Pounds × 1000			
	193.9 +26.2ft		193.9 +26.2ft		209 +26.2ft				209+26.2ft	
	105ft		105ft		105ft				105ft	
131.2	4.4	4.4	4.4	4.2	4.4	131.2				
137.8	4.4	4.4	4.4	4.2	4.3	137.8				
144.4	4.3	4.3	4.3	4.1	4.3	144.4				
150.9	4.3	4.2	4.2	4.1	4.2	150.9				
157.5	4.2	4.1	4.1	4.0	4.2	157.5				
164.0	4.2	4.1	4.1	4.0	4.1	164.0				
170.6	4.1	4.0	4.0	4.0	4.1	170.6				
177.2	4.1	4.0	4.0	4.0	4.1	177.2				
183.7	4.0	4.0	4.0	3.9	4.1	183.7				
190.3	4.0	3.9	3.9	3.9	4.0	190.3				
196.9	3.9	3.9	3.9	3.9	4.0	196.9				
203.4	3.7	3.5	3.5	3.8	3.7	203.4				
210.0	3.7	3.5	3.5	3.6	3.7	210.0				
216.5	3.7	3.5	3.5		3.7	216.5				
223.1	3.6	3.5	3.5			223.1				
229.7	3.3	3.5	3.5			229.7				
236.2	3.1	3.5	3.5			236.2				
242.8		3.5	3.5			242.8				
249.3		3.3	3.3			249.3				
Code	112222	222211	222222	222221	Code					

	 193.9ft	 118.1ft	 30.15ft×27.2ft	 360°	 176370 lb	 40°	Pounds × 1000	
	193.9 +26.2ft		193.9+26.2ft					
	118.1ft		118.1ft					
137.8	3.5	3.7	137.8					
144.4	3.5	3.6	144.4					
150.9	3.4	3.6	150.9					
157.5	3.4	3.5	157.5					
164.0	3.4	3.4	164.0					
170.6	3.3	3.4	170.6					
177.2	3.3	3.3	177.2					
183.7	3.3	3.3	183.7					
190.3	3.3	3.2	190.3					
196.9	3.2	3.2	196.9					
203.4	3.2	3.2	203.4					
210.0	3.1	3.2	210.0					
216.5	3.0	3.1	216.5					
223.1	2.9	3.1	223.1					
229.7		3.1	229.7					
236.2		3.1	236.2					
Code	112222	222211	Code					

## Description of symbols

### General symbols

	Superstructure		Chassis
	Lifting capacity		Axle
	Boom length		Driving speed
	Working radius		Grade ability
	Boom angle		Tire
	Boom lifting height		Outrigger
	Fixed jib length		Hook block
	Jib offset angle		Counterweight
	Jib lifting height		Winch
			360° slewing

## Notes

1. The total rated loads given in the rated load charts are the maximum lifting capacity when the crane is set up on firm and level ground, which includes the weight of the hook block and slings. To calculate the actual weight that could be lifted, the weights of the above-mentioned devices should be deducted from the lifting capacities.
2. The working radius shown in the rated load charts is the radius when the load is lifted off the ground, and it is the actual value including loaded boom deflection. Take boom deflection into consideration before beginning a lifting operation.
3. A lifting operation is permissible only when the wind force is below grade 5 (instantaneous wind speed is 14.1 m/s, and wind pressure is 125 N/m<sup>2</sup>).
4. Before the lifting operation, the operator should know the weight of the load to be lifted and its working range, and then select the proper operation mode. Never operate the crane beyond the limit shown in the chart. Use the lower value from the chart when the boom length or working radius is between the range of values.
5. Observe the boom angle limit. Never operate the crane with the boom angle beyond the recommended limit even if a load is not being carried. Otherwise, the crane will tip over.
6. The boom should be extended according to the telescoping code shown by digits, which means the percentage of boom sections extended.

# Table of Main Technical Parameters

Category	Item		Unit	Parameter	
Dimensions (445/ 95R25)	Dimensions (L×W×H)		ft	50.7×10.2×13.2	
	Wheel base		ft	8.7+5.4+9.5+5.4	
	Track (front/rear)		ft	8.44/8.44/8.44/8.4/8.44	
	Front/ Rear overhang		ft	8.9/7	
	Front/ Rear extension		ft	5.5/0	
Weight (445/ 95R25)	Max. permissible total weight		lb	137024	
	Axle load (525/80 R25)	Axle 1	lb	27380	
		Axle 2	lb	27380	
		Axle 3	lb	27380	
		Axle 4	lb	27442	
		Axle 5	lb	27442	
Power	Engine model		—	OM471LA.E4-1	OM471LA.E5-1
	Max.net power/rpm		bhp/ (r/min)	523.0/1700	523.0/1700
	Max. output torque/rpm		lbf·ft/ (r/min)	1814.5/1300	1917.7/1300
Travel (445/ 95R25)	Travel speed	Max. travel speed	mph	≥49.7	
		Min. stable travel speed	mph	1.2 ~ 1.9	
	Min. turning diameter	Min. turning diameter	ft	≤60.7	
		Min. turning diameter at boom head	ft	≤77.1	
	Min. ground clearance		ft	1.17	
	Approach angle		°	19	
	Departure angle		°	17.7	
	Braking distance (initial speed at 50 mph)		ft	≤216	
	Max. grade ability		%	≥60	
	Fuel consumption per 100 km		US gal	17.2	
	Exterior noise level when accelerating		dB(A)	≤80 (49.2 ft ) ≤86 (24.6 ft )	
	Noise level at seated position		dB(A)	≤90	

## Table of Main Technical Parameters

Category	Item	Unit	Parameter	
Main performance	Max. total rated lifting capacity	USt	*275	
	Min. rated working radius	ft	8	
	Turning radius at turntable tail	At counterweight	ft	16.93
		At auxiliary winch	ft	15.9
	Max. load moment	Base boom	kipf·ft	5009.1
		Fully-extended boom	kipf·ft	2185.8
		Fully-extended boom + jib	kipf·ft	723.9
	Outrigger span	Longitudinal	ft	30.15
		Lateral	ft	27.2/18
	Lifting height	Base boom	ft	44.0
		Fully-extended boom	ft	241
		Fully-extended boom + jib	ft	355
	Boom length	Base boom	ft	44.0
		Fully-extended boom	ft	239.5
Fully-extended boom + jib		ft	368	
Jib offset angle		°	0, 20, 40	
Working speed	Boom raising time	s	≤55	
	Boom fully extending time	s	≤750	
	Max. slewing speed	rpm	≥1.5	
	Lifting speed (single line, 4th layer, no load)	Main winch system	fpm	≥426.5
		Auxiliary winch system	fpm	≥426.5
Noise	Exterior noise level	dB ( A )	≤122	
	Noise level at seated position	dB ( A )	≤90	





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