



ALL TERRAIN CRANE

XCA275_U

SUPREME FIVE-AXLE CRANE



250 mt
(275 USt)



73 m
(239.5 ft)



86 m
(282.1 ft)



111.3 m
(365 ft)



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EFFICIENT LIFTING

SUPERB LIFTING PERFORMANCE

- 7-section boom of 73m (239.5ft). Heavy duty jib: 12m~44m (39.4ft~144.3ft). Light duty jib: 10m~45m (32.8ft~147.6ft). 0°, 20° and 40° jib offset angles



COMPLIANT TO THE STRICTEST STANDARDS & EASY TO MAINTAIN

- North American standard and regulations are complied with, the demands of customers in North American markets are satisfied.

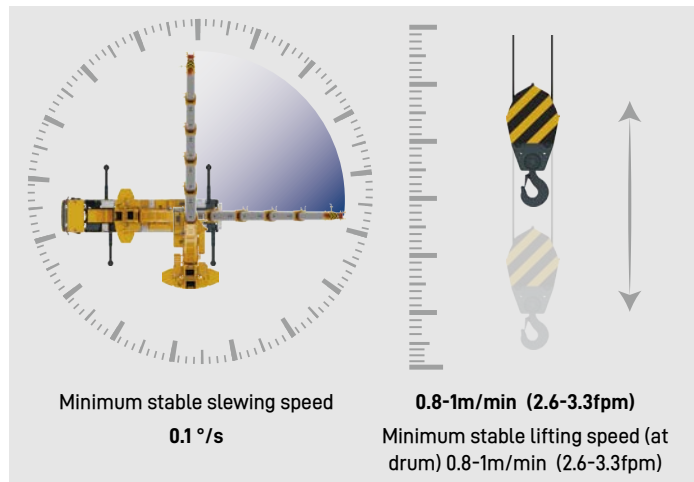


- One shared chassis engine is adopted for the whole crane. Power is transmitted to the superstructure hydraulically.
- Maintenance is only required for the single-engine chassis system, effectively reducing maintenance workload.



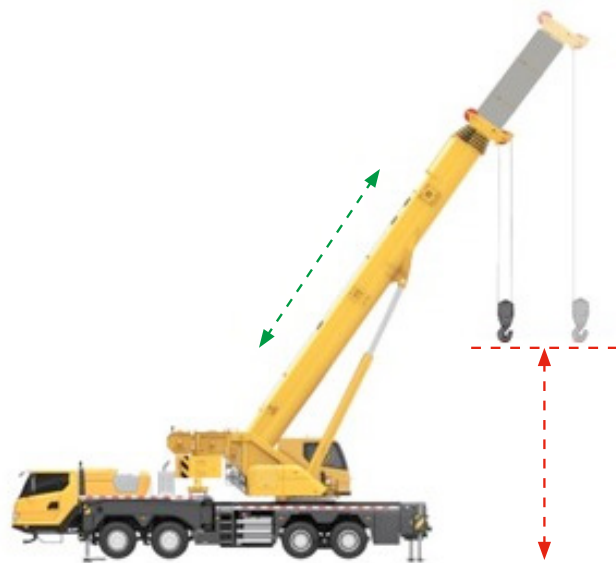
NEW HIGHLY EFFICIENT ENERGY-SAVING HYDRAULIC SYSTEM

- Mature double-variable mechanism with fine control tactic, the starting and stopping is smooth.
- Open system for lifting and closed hydraulic system for slewing, equipped with large-displacement pump, the lifting speed under heavy load is fast.
- Minimum stable lifting speed (at drum) 0.8-1m/min (2.6-3.3fpm), and minimum stable slewing speed 0.1°/s.



HOOK HEIGHT COMPENSATION

- During telescoping and luffing, the control system autonomously controls the winch, saving operation time.
- The winches can be set to either maintain the hook height above the ground or to maintain the distance between the boom head and the hook, that is, luffing-ground mode, telescoping-ground mode, and telescoping-boom head mode.



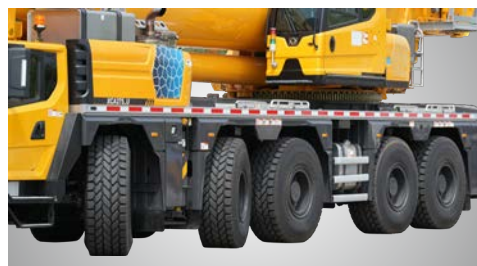
AUTOMATIC LUFFING COMPENSATION TECHNOLOGY

- When luffing compensation is turned on, the control system will automatically raise or lower the boom based on the load to maintain the desired load radius.



ALL-AXLE STEERING, MANEUVERABLE

- All-axle steering, small turning radius and seamless shift between three-axle and four-axle is available. The three-axle mode is used for highway driving, with high driving economy, while four-axle mode excels in off-road terrain and site transfers, delivering a 60% grade-climbing capability.

**POWERFUL PERFORMANCE WITH SUPERIOR DRIVING CAPABILITIES**

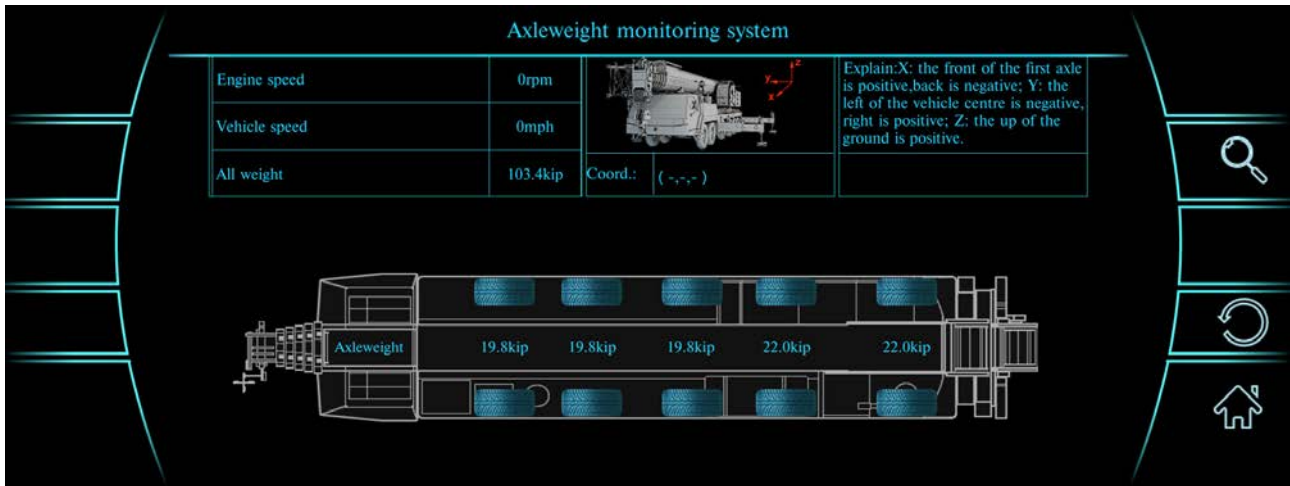
- Mercedes Benz diesel engine, maximum net power 390kW (523bhp) , maximum output torque 2600N.m (1917.7lb-ft).
- 12-speed ZF mechanical automatic transmission.



INTELLIGENT TRAVEL, EFFICIENT & EXCELLENT OFF-ROAD PERFORMANCE

AXLE LOAD MONITORING TECHNOLOGY

- Through the axle load monitoring technology, the corresponding highest gear is automatically matched to ensure the safety of vehicle driving.



INTEGRATED BRAKE MANAGEMENT PLATFORM TECHNOLOGY

- Dynamic allocation of various braking forms and their respective roles to achieve precise brake force control, preventing ineffective control or insufficient braking.





XCMG MAN-MACHINE INTERACTIVE SYSTEM

Man-machine interaction system resembling that of a sedan enables friendly interaction between the operator and the crane. Effortlessly monitor and control all operational statuses, from driving to lifting tasks, ensuring easier and more convenient handling. With ergonomic analysis and user-friendly details integrated, a quality product is created. It is convenient to maintain, easy to drive and comfortable to operate.

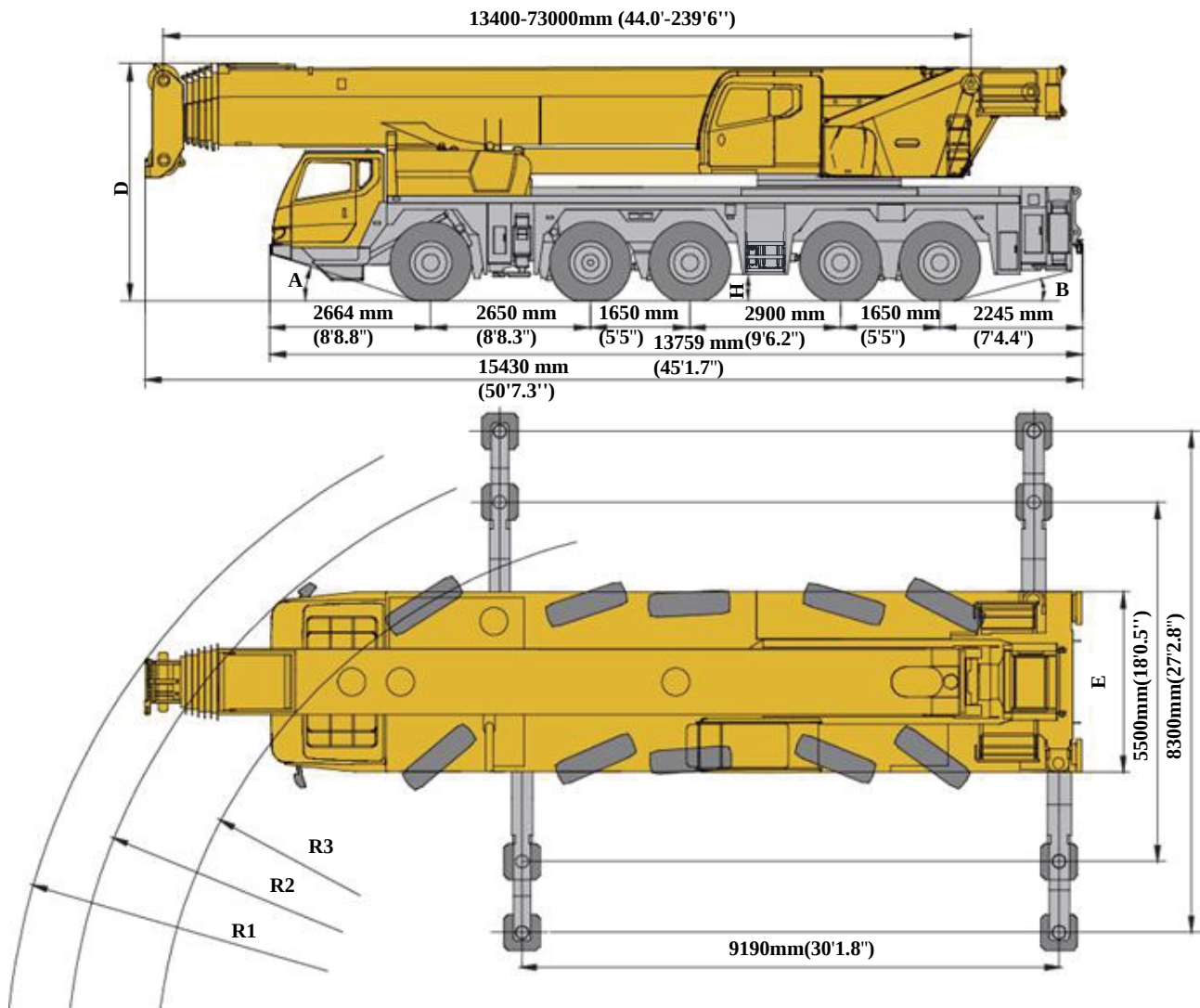
DRIVER'S CAB

①	Seat	An air-floating seat designed for the driver is automatically adjustable in height.
②	High-definition display	12-inch full LCD instrument panel, displaying more clearly.
③	Multi-function entertainment screen	12-inch full LCD entertainment screen, integrated with backup camera and other functions.
④	Multi-function steering wheel	The steering wheel is adjustable up/down and forward/backward and integrates cruise control, multimedia control and other functions for convenient operation.
⑤	HVAC	It has face and foot blowing, defrosting and defogging functions, improving cooling and heating efficiency.
⑥	Other user-friendly configurations	LED combined headlight and electrically adjustable rearview mirrors with heating function makes driving safer.



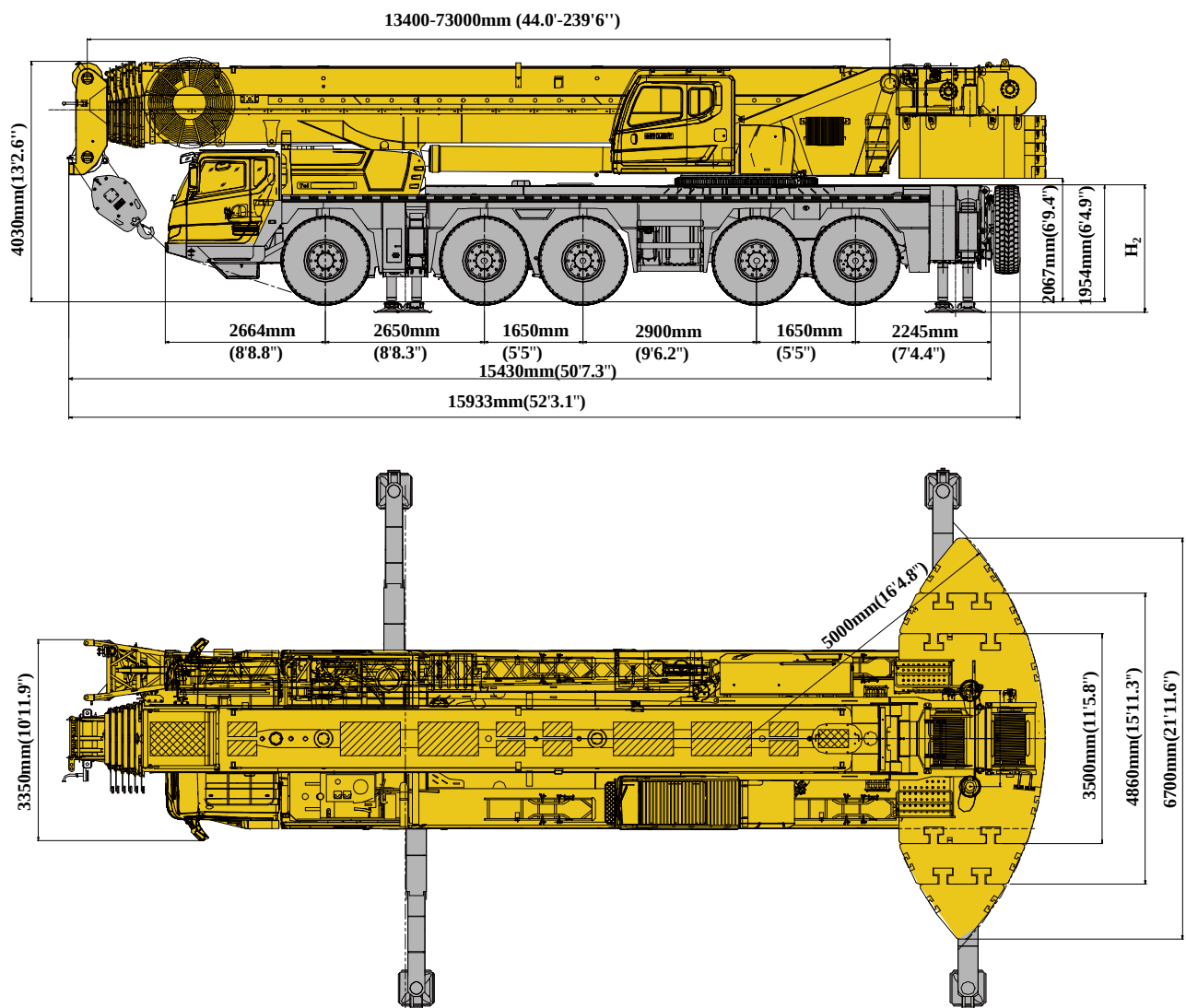
OPERATOR'S CAB

①	Adjustable electric heated seat	Leather + breathable mesh fabric seat material.
②	High-definition display	10.4-inch true color touch screen.
③	Button	Intuitive button design and comfortable to touch.
④	Vibration lever	Vibration lever is equipped to perceive the lifting operation speed easily.
⑤	HVAC	It has face and foot blowing, defrosting and defogging functions, improving cooling and heating efficiency.
⑥	20° tiltable operator's cab	Clearer lifting view.
⑦	Other user-friendly configurations	Dual-layer sun screen for roof window and sun screens for windshield, rear and side windows; external large-capacity water tank and independent control of windshield and top window washing functions make maintenance more convenient; mesh floor mat with edge sealing design, easy to be removed and cleaned.

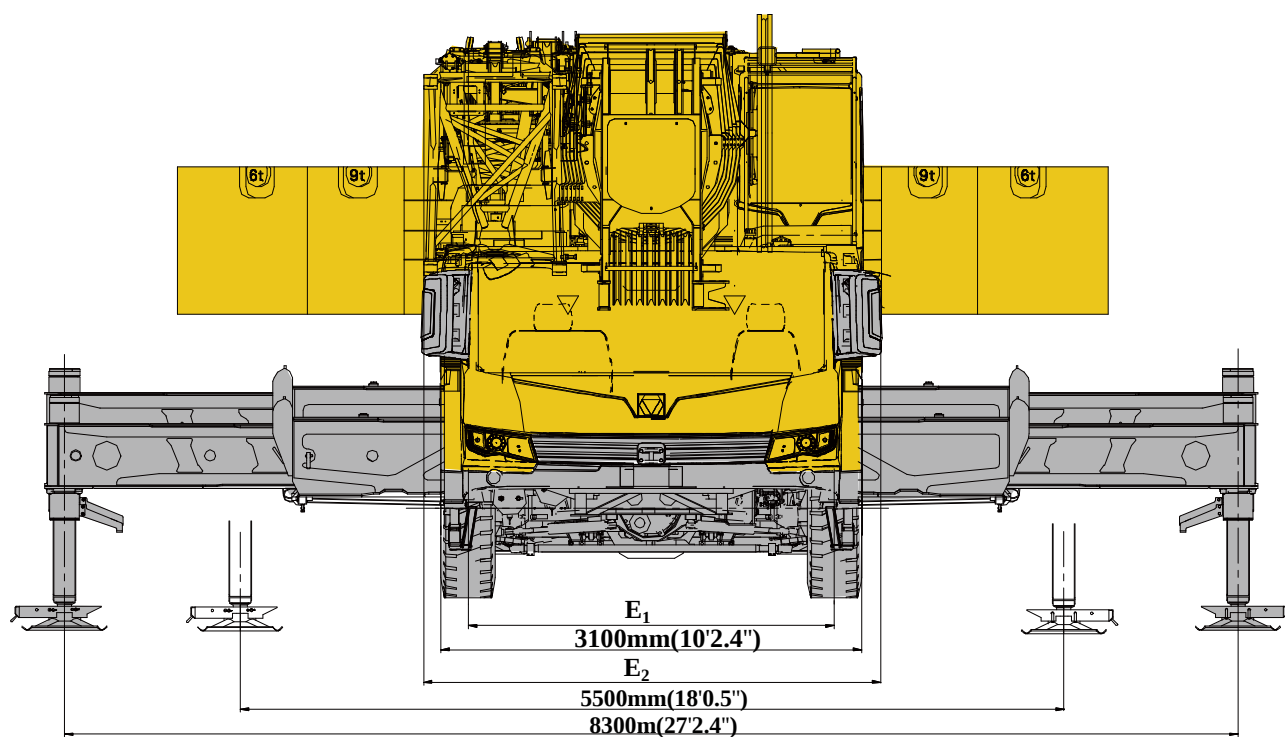


	A	B	D	E	R1	R2	R3	H
445/95 R 25 (16.00 R 25)	19°	18°	4023 mm (13'2.4")	2980 mm (9'9.3")	11750 mm (38'6.6")	10750 mm (35'3.2")	9250 mm (30'4.2")	370mm (1'2.4")
525/80 R25 (20.00 R 25)	19°	18°	4023 mm (13'2.4")	3100 m (10'2.1")	12040 mm (39'6")	11500 mm (37'8.6")	10000 mm (32'9.7")	370 mm (1'2.4")

DIMENSIONS



	H ₂
445/95 R 25 (16.00 R 25)	2134 mm (7')
525/80 R25 (20.00 R 25)	2134 mm (7')



	E_1	E_2
445/95 R 25 (16.00 R 25)	2572mm (8'5.3")	3560mm (11'8.2")
525/80 R 25 (20.00 R 25)	2572mm (8'5.3")	3560mm (11'8.2")

TECHNICAL SPECIFICATIONS



CHASSIS

Frame	Designed and manufactured by XCMG, the frame is made of high strength steel with fully covered deck and anti-torsion box-typed structure.
Outriggers	H-shaped outriggers with 2-stage outrigger beams and removable outrigger floats. There are two working positions: half-extended and fully extended. A control panel is fitted at each side of the chassis with level gauge, light and accelerator buttons. Outrigger float dimension: 600mm×600mm(1.97ft×1.97ft) Front outrigger maximum outrigger reaction force: 842.8 kN (621,617 lb-ft); Rear-outrigger maximum outrigger reaction force: 1215.2kN(896,285lb-ft)
Engine	OM471LA.E5-1, in-line six cylinder water-cooled electronically controlled engine, manufactured by Daimler, with maximum net power of 390kw/1600rpm (523bhp/1600rpm), compliant with EU Stage V and EPA /CARB Tier 4 final emission standard. Fuel tank capacity: 590L(156 US gal).
Hydraulic system	The pump set is connected to the PTO port of the engine via the PTO shaft, controlling the outriggers, steering system, suspension and independent hydraulic cooling system.
Transmission	ZF Germany automatic transmission with retarder brake; 12 forward gears and 2 reverse gears available.
Transfer case	KESSLER transfer case is equipped with emergency steering pump.
Axle	KESSLER high strength axles, equipped with pneumatic disc brake. Axles 1-5 are for steering; axles 2-5 are for driving, which are equipped with differential lock.
Suspension	Hydro-pneumatic suspension system has good shock-absorbing effect. Various functions such as automatic leveling, moving up and down of suspension, and switching over of locked and unlocked suspension are available. Suspension cylinder stroke: -100mm~+150mm(-3.9in~+5.9in).
Tires	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
Brakes	Service brake: dual-circuit air pressure brake acting on all wheels. Parking brake: spring-loaded brake, acting on the wheels of axles 2-5. Auxiliary brake: engine retarder brake, transmission retarder brake; safe and reliable, with longer service life of brake lining.
Steering	All-axle steering with advanced technology of electro-hydraulic proportional steering control. The axles 1-2 are mechanical steering with hydraulic power assistance while the axles 3-5 are electric-control hydraulic steering. It is suitable for various demands of operation modes and several steering modes can be realized.
Driver's cab	Modern full-width steel-structure cab for 2 people features spring shock-absorbing suspension system, electric wipers, door and window, and rearview mirrors. Adjustable seats, steering wheel adjustable in height and angle, central screen with backup camera image, radio, bluetooth and other features are also available. Large-screen color LCD integrates engine, suspension, outrigger status and diagnostic information. Heater and air conditioning are standard.
Electrical system	24 V DC. Four 24 V 210Ah batteries with battery disconnect device and remote charging port. All fuses are centrally arranged within the driver's cab. Full CAN bus system with built-in diagnostic functions.

**SUPERSTRUCTURE**

Structure	Designed and manufactured by XCMG, made of high strength steel.
Hydraulic system	The chassis engine drives a variable displacement pump through a transmission device. The pilot pressure-compensated main control valve is used for luffing, telescoping, and winch (with confluence function to increase working speed). The pilot-control closed-type slewing system ensures smooth start and stop, while the air-cooled hydraulic oil cooler effectively reduces system oil temperature. With telescopic cylinder boom pin emergency function.
Control system	Pilot electric proportional control with two levers at left and right sides controlling the main movements of the crane. The remaining functions are controlled electronically through CAN bus controller (including self-check and fault diagnosis). It has automatic luffing and winch control functions to maintain the boom head/hook block height.
Main winch system	Drum with Lebus grooves, driven by a hydraulic motor, with built-in planetary gear reducer, constant closed brake and counterbalance valve. Wire rope end comes with a rope head, which is directly installed in pouch socket. This design enhances replacement speed, making the process convenient and efficient.
Slewing system	Single-row four-point ball contact external tooth 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.
Operator's cab	Stylish steel operator's cab, with large arc glass, sliding door, and adjustable seats. Safety glass and top protective rails, electric windshield wipers, engine accelerator pedal, engine start switch and sun screens, etc. are also available. The cab can tilt backward about 20°. Heating & air conditioning are available. The large screen supports load chart inquiry and full diagnosis functions. The winch and boom head camera have independent display screen.
Safety devices	Hydraulic counterbalance valve, hydraulic relief valve, double-way hydraulic lock and LMI are available. Lowering limiter is equipped in winch to prevent rope over-releasing. Anti-two block is fitted on the boom head to prevent rope over-winding. Anemometer for wind speed measurement; Winch monitoring device is equipped to monitor the winch status in real time. Counterbalance camera, counterbalance in place detection, boom head beacon light, and boom head camera are available.
Electrical system	24 V DC.
LMI	When the actual load moment is approaching the overloading value, audible and visual warning will be sent out, and the dangerous operation will be automatically cut off before overloading occurs. Overload memory function (black box) and fault diagnosis function are available.
Counterweight	80 t (176,368 lb) in total, 8 combinations of 0 t (0 lb), 10 t (22,046 lb), 20 t (44,092 lb), 30 t (66,138 lb), 40 t (88,184 lb), 50 t (110,230 lb), 68 t (149,913 lb), and 80 t (176,368 lb).
Hook block	75 t (82.7 USt) hook block, 40 t (44.1 USt) hook block, and 12.5 t (13.8 USt) hook block.
Wireless remote control	Carrying out the remote control of main operation and auxiliary operation of crane to improve the convenience and security of operation.
Boom	7-section boom with U-shaped cross-section, welded structure. Single cylinder pinning telescoping system is adopted. One double-acting cylinder with safety valve is used for controlling the telescoping movements of all boom sections with various telescoping pattern available. Boom length: 13.4 m~73 m (44.0 ft~239.5 ft).
Auxiliary sheave	Single sheave, installed at the boom top, used for single line operation. Its lifting performance is the same as that for boom, but the maximum lifting load does not exceed 11.4 t (12.6 USt).
Centralized lubrication system	Automatic lubrication system for the slewing bearing, main/auxiliary winch, luffing cylinder upper and lower pivots and boom rear pivot.

Other items of equipment available on request.

OPTIONAL EQUIPMENT



OPTIONAL EQUIPMENT	COMPONENT DESCRIPTION
Hook block	160 t (176.4 USt) hook block
Auxiliary winch system	Drum with Lebus grooves, driven by a hydraulic motor, with build-in planetary gear reducer, constant closed brake and counterbalance valve.
360° slewing locking device	The 360 ° swing locking device meshes with the teeth of the slewing bearing to achieve 360 ° mechanical locking.
Heavy-duty jib	Lattice structure. Including connecting bracket, offsetting bracket, one 8 m (26.3 ft) boom extension, two 4 m (13.1 ft) extensions, one 8 m (26.3 ft) extension, the 1st and 2nd jib section assembly. 0°, 20° and 40° jib offset angles. Mechanical luffing. Jib length: 12 m~44 m(39.4 ft~144.3 ft).
Light-duty jib	Lattice structure. Including connecting bracket, offsetting bracket, one 12 m(39.4 ft) boom extension, two 8 m (26.3 ft) extensions and the 2nd jib section assembly. 0°, 20° and 40° jib offset angles. Stepless luffing. Jib length: 10 m~45 m(32.8 ft~147.6 ft).
Tires	445/95R25(16.00R25)
Boom head beacon light	Transmit warning signals to the surrounding environment through flashing lights at a certain frequency.

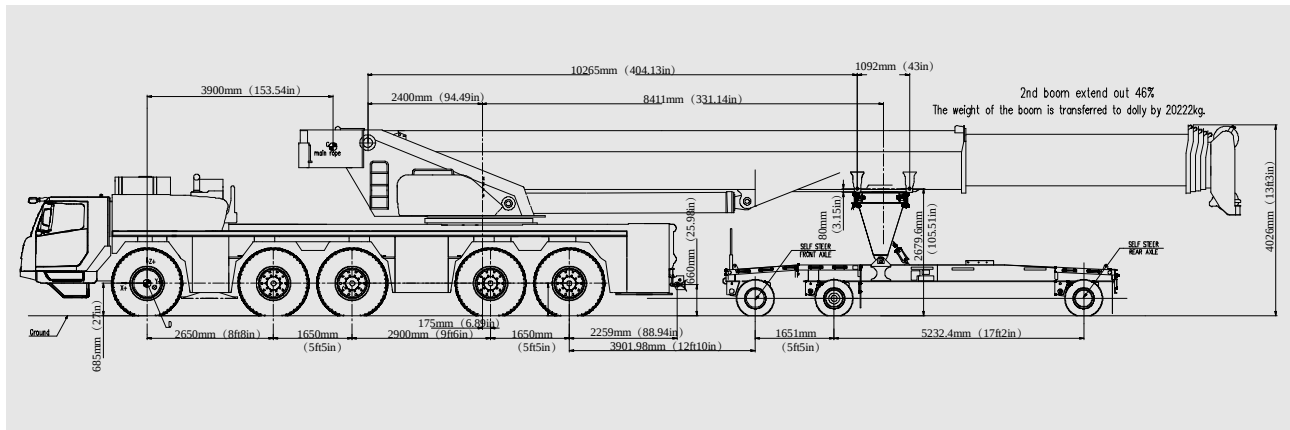


	1	2	3	4	5	DOLLY EXCLUDING THE TROLLEY'S WEIGHT	TOTAL WEIGHT
kg (lb)	7850 kg (17306 lb)	7850 kg (17306 lb)	7850 kg (17306 lb)	8894 kg (19607.7 lb)	8894 kg (19607.7 lb)	21430 kg (47244.6 lb)	62768 kg (138378 lb) ¹⁾

1.1) Extend the second boom section rearward by 46%. The 44.1 USt hook block is included. The jib, auxiliary winch system or the auxiliary sheave are excluded; For the chassis, the outrigger floats, spare tire and spare tire bracket are excluded.

Driving mode: 10×8; tire specification: 525/80R25

1.2) The vehicle weight and axle loads in the table are based on 525/80R25 tires; when the optional 445/95R25 tires are selected, the total vehicle weight is reduced by 690 kg (1520 lb), and each axle load is reduced by 138 kg (304 lb).



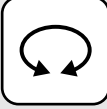
HOOK BLOCK	NUMBER OF SHEAVES	PARTS OF LINE	HOOK BLOCK WEIGHTS (KG)	NOTES
160 t (176.4 USt)	7	14	1900 kg (4,189 lb)	Dual-hook
75 t (82.7 USt)	3	7	1000 kg (2,205 lb)	Dual-hook
40 t (44.1 USt)	1	3	700 kg (1,543 lb)	Single-hook
12.5 t (13.8 USt)	0	1	470kg (1,036 lb)	Single-hook

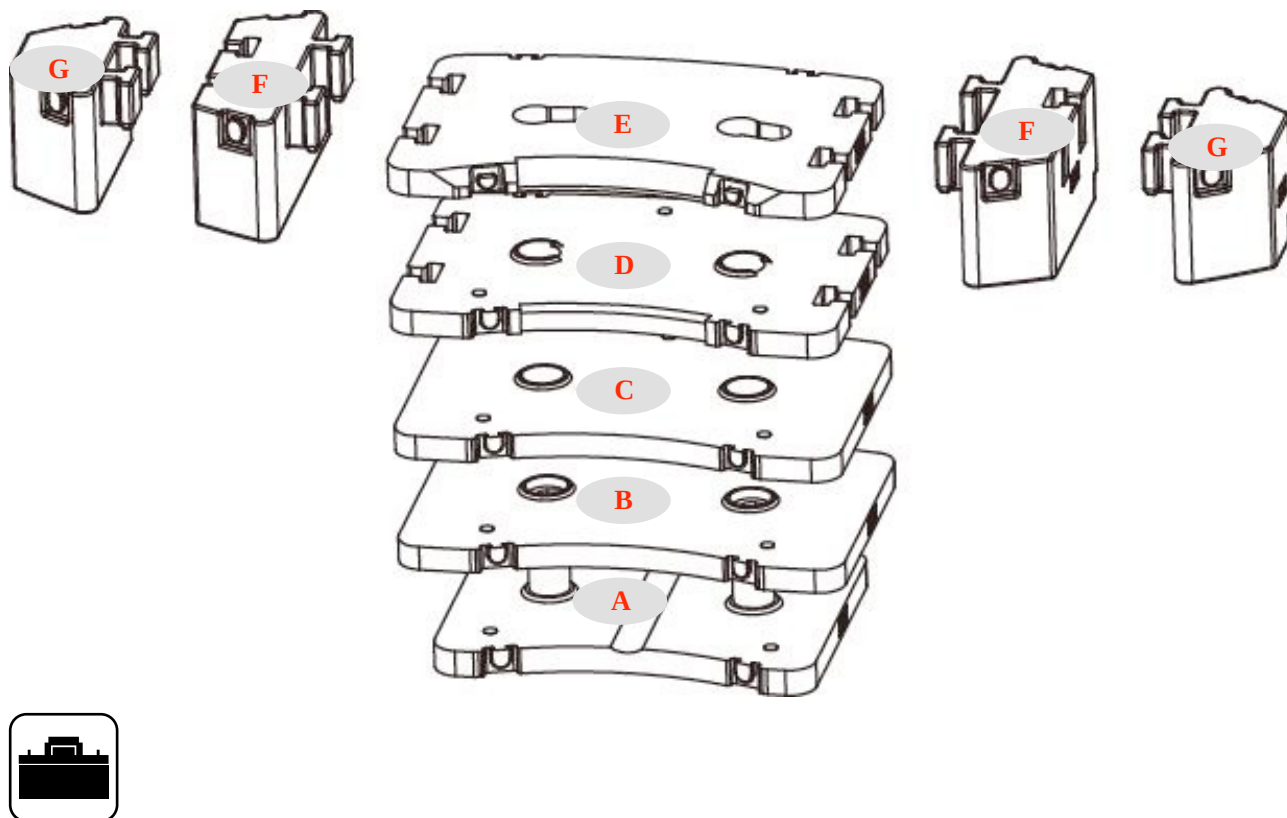
WORKING SPEEDS

			
445/95 R 25 (16.00 R 25)		1 – 80kph (0.6 – 49.7mph) ¹	60%
525/80 R 25 (20.5 R 25)		1 – 80kph (0.6 – 49.7mph) ²	60%

Note 1: If any axle load exceeds 13,372 kg (29,480 lb), the maximum travel speed must be reduced.

Note 2: If any axle load exceeds 14170 kg (31,240 lb), the maximum travel speed must be reduced.

				
	0-130 m/min (0-426.5 ft/min), single line, 4th layer	111.7 kN (12.6 USt)	23 mm (0.906 in)	330 m (1082.7 ft)
	0-130 m/min (0-426.5 ft/min), single line, 4th layer	111.7 kN(12.6 USt)	23 mm (0.906 in)	260 m (852.8 ft)
	0-1.5 r/min			
	Approx. 55 s for boom luffing from -0.5° to 82°			
	Approx. 900 s for boom extending from 13.4 m (44.0 ft) to 73 m (239.5 ft)			

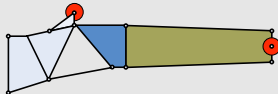
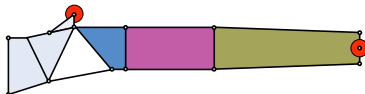
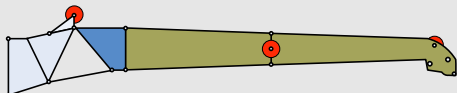
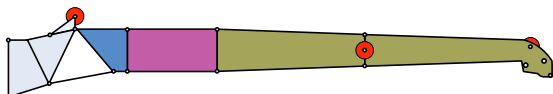
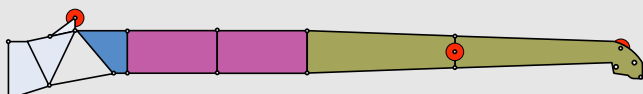
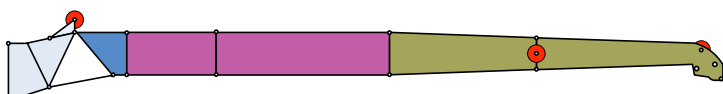
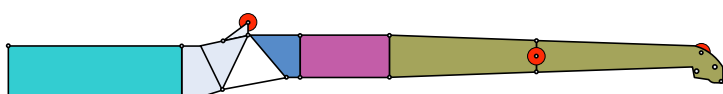
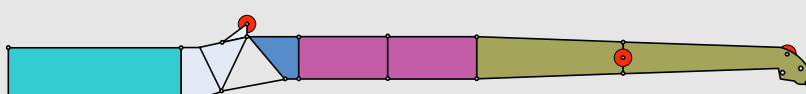
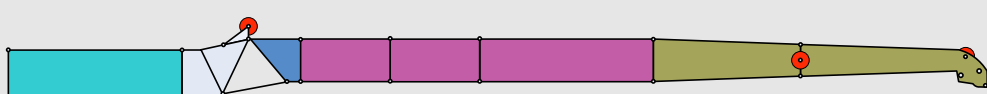


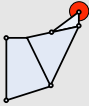
	A	B	C	D	E	F	G
DIMENSIONS							
Length	2.99 m (9.81 ft)	3.50 m (11.48 ft)	3.50 m (11.48 ft)	3.50 m (11.48 ft)	3.50 m (11.48 ft)	2.13 m (6.99 ft)	1.48 m (4.86 ft)
Width	2.45 m (8.04 ft)	2.45 m (8.04 ft)	2.45 m (8.04 ft)	2.45 m (8.04 ft)	2.45 m (8.04 ft)	0.95 m (3.12 ft)	1.19 m (3.90 ft)
Height	1.04 m (3.40 ft)	0.39 m (1.26 ft)	0.24 m (0.77 ft)	0.25 m (0.80 ft)	0.24 m (0.77 ft)	1.05 m (3.43 ft)	1.05 m (3.43 ft)
Weights	10 t (22,046lb)	10 t (22,046lb)	10 t (22,046lb)	10 t (22,046lb)	10 t (22,046lb)	9 t (19,841.4lb)	6 t (13,228lb)

OPERATION MODES	80 t (176,368lb)	68 t (149,913lb)	50 t (110,230lb)	40 t (88,184lb)	30 t (66,138lb)	20 t (44,092lb)	10 t (22,046lb)	0 t (0lb)
Combinations	A+B+C+D +E+F×2+ G×2	A + B + C + D + E + F×2	A + B + C + D + E	A + B + C + D	A+B+C	A+B	A	—

BOOM/JIB COMBINATIONS

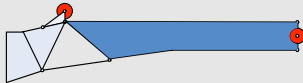
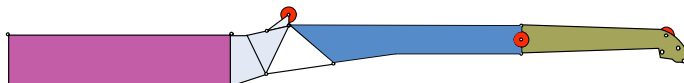
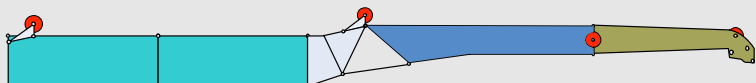
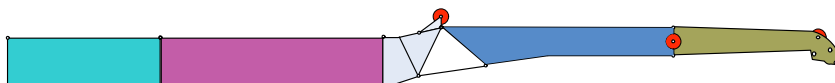
HEAVY-DUTY FIXED JIB (OPTIONAL)

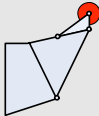
Jib-12 m(39.4 ft)	
Jib-16 m(52.5 ft)	
Jib-20 m(65.6 ft)	
Jib-24 m(78.7 ft)	
Jib-28 m(91.9 ft)	
Jib-32 m(105 ft)	
Jib-36 m(118.1 ft)	
Boom extension-32 m (105 ft)	
Boom extension-36 m (118.1 ft)	
Boom extension-40 m (131.2 ft)	
Boom extension-44 m (144.3 ft)	

COMPONENTS	STRUCTURE	DIMENSIONS (L×W×H) (mm) mm(ft)	WEIGHT (kg (lb))
Connecting bracket		2500×1000×2200 mm (8.20×3.28×7.22ft)	366 kg (806.9 lb)
Offsetting bracket		3800×1000×1500 mm (12.47×3.28×4.92ft)	523 kg (1153.0 lb)
Boom extension		8200×1000×1600 mm (26.90×3.28×5.25ft)	603 kg (1329.4 lb)
The 1st jib section assembly		7600×900×1000 mm (24.93×2.95×3.28ft)	573 kg (1263.2 lb)
The 2nd jib section assembly		8100×500×800 mm (26.57×1.64×2.62ft)	408 kg (899.5 lb)
Jib extension I		8100×900×1200 mm (26.57×2.95×3.94ft)	540 kg (1190.5 lb)
Jib extension II		4100×900×1100mm (13.45×2.95×3.61ft)	321 kg (707.7 lb)

BOOM/JIB COMBINATIONS

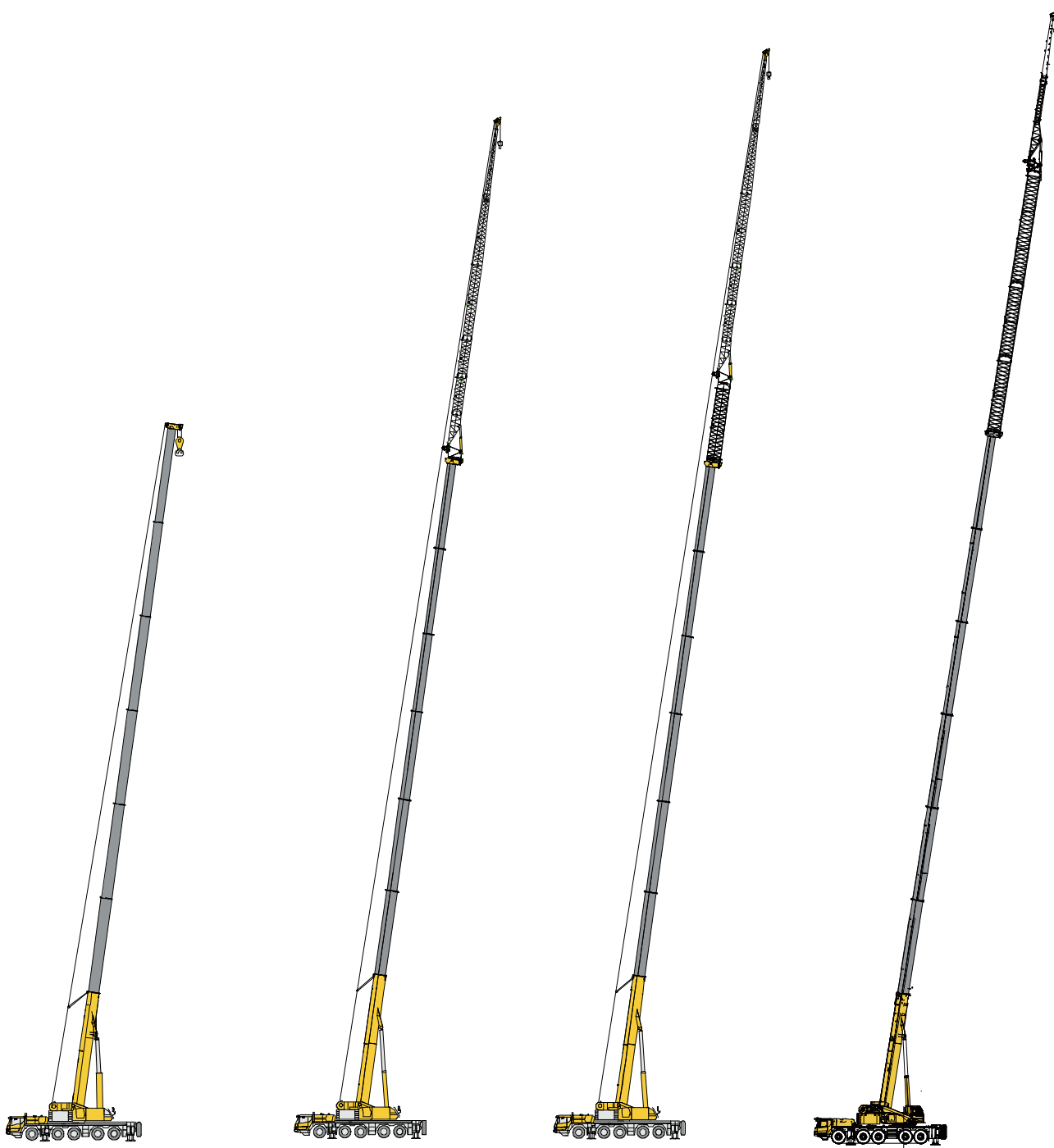
LIGHT-DUTY FIXED JIB (OPTIONAL)

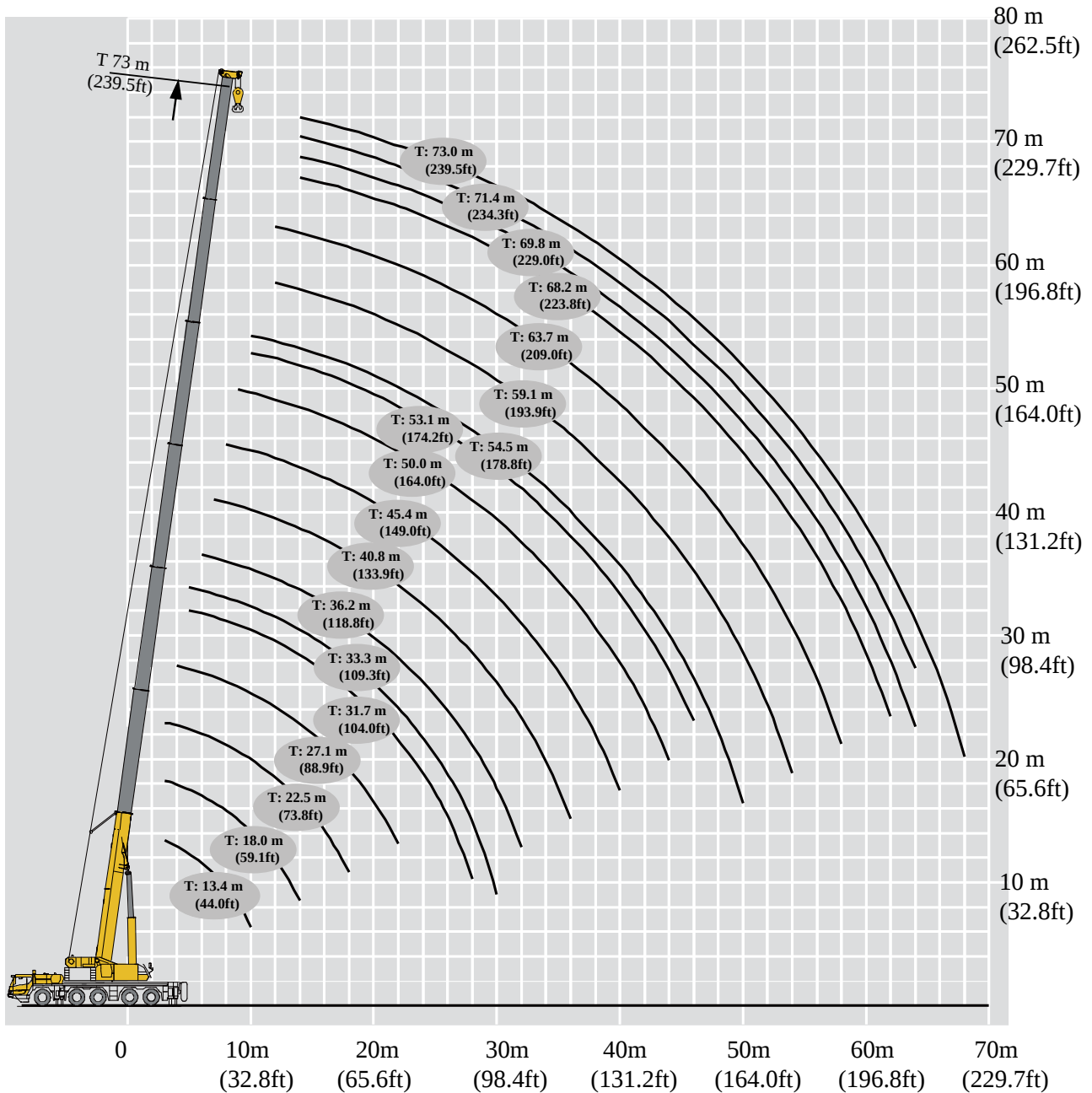
Jib-10 m (32.8 ft)	
Jib-17 m (55.8 ft)	
Boom extension-25 m (82 ft)	
Boom extension-29 m (95.1 ft)	
Boom extension-33 m (108.3 ft)	
Boom extension-37 m (121.4 ft)	
Boom extension-45 m (147.6 ft)	

COMPONENTS	STRUCTURE	DIMENSIONS (L×W×H) mm(ft)	WEIGHT kg(lb)
Connecting bracket		1700×1100×1700 mm (5.58×3.61×5.58ft)	420 (925.9 lb)
Offsetting bracket assembly		10000×700×1300 mm (32.81×2.30×4.27ft)	770(1697.5 lb)
Boom extension II		8200×1000×1600 mm (26.90×3.28×5.25ft)	610(1344.8 lb)
Boom extension I		12200×1000×1600 mm (40.03×3.28×5.25ft)	850(1873.9 lb)
The 2nd jib section assembly		7200×500×700 mm (23.62×1.64×2.30ft)	450(992.1 lb)
Boom extension		8200×1000×1600 mm (26.90×3.28×5.58ft)	630(1388.9 lb)

BOOM / JIB COMBINATIONS

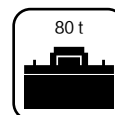
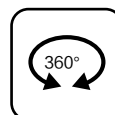
BOOM	HEAVY-DUTY JIB	BOOM EXTENSION+HEAVY DUTY JIB	LIGHT-DUTY JIB
T:13.4~73 m (44.0~239.5ft)	T:27.1~73 m(88.9~239.5 ft) F:12~36 m(39.4~118.1 ft)	T:59.1~68.2 m(193.9~223.8 ft) V:8 m(26.2 ft) F:24~36 m(78.7~118.1 ft)	T:27.1~73 m(88.9~239.5 ft) F:10~45 m(32.8~147.6 ft)



BOOM

LOAD CHARTS

T 13.4-73 m



	13.4	18.0	22.5	27.1	31.7	33.3	36.2	40.8	45.4	50.0	53.1	54.5	59.1	63.7	68.2	69.8	71.4	73.0	
2.5	250*																		2.5
3.0	150.0	150.0	143.0																3.0
3.5	150.0	145.0	140.0																3.5
4.0	140.0	140.0	135.0	121.0															4.0
4.5	135.0	130.0	127.0	121.0															4.5
5.0	122.0	123.0	120.0	117.9	99.0	32.7													5.0
6.0	106.0	108.0	107.0	104.4	99.0	29.5	80.0												6.0
7.0	95.0	95.0	96.0	93.9	90.0	26.8	80.0	66.0											7.0
8.0	85.0	85.0	86.0	85.5	81.7	24.7	79.9	66.0	55.0										8.0
9.0	77.0	77.0	78.0	78.2	74.8	22.8	73.3	63.3	55.0	48.5									9.0
10.0	65.0	70.0	70.6	71.0	68.9	21.1	67.4	58.4	52.0	45.0	22.4	36.0							10.0
12.0		59.3	58.6	59.1	59.5	18.4	58.1	50.9	45.6	39.0	19.6	33.9	27.8	22.1					12.0
14.0		48.7	47.0	48.8	49.4	16.2	48.0	47.0	40.4	34.6	17.4	30.4	27.3	21.2	19.0	17.3	16.0		14.0
16.0			42.3	41.3	41.8	14.4	40.6	41.1	36.3	31.0	15.7	27.2	24.5	20.8	17.8	16.5	15.5	14.8	16.0
18.0			36.3	35.4	36.1	13.1	34.9	35.4	32.8	27.9	14.3	24.6	22.2	19.4	16.8	16.0	14.9	14.0	18.0
20.0				31.9	31.5	11.9	30.4	30.9	29.9	25.5	13.0	22.3	20.3	18.0	16.1	15.7	14.5	13.4	20.0
22.0				27.8	28.4	10.8	27.3	27.3	26.4	23.5	12.0	20.5	18.7	16.5	14.9	14.5	13.9	13.4	22.0
24.0					26.0	9.9	24.2	24.3	23.4	21.7	11.1	18.9	17.4	15.3	13.7	13.3	12.8	12.1	24.0
26.0					23.8	9.2	21.2	21.6	20.8	20.1	10.3	17.5	16.1	14.3	12.7	12.4	11.8	11.3	26.0
28.0					21.3	8.5	18.8	19.2	18.3	18.2	9.7	16.3	15.0	13.3	11.8	11.4	11.0	10.7	28.0
30.0						8.0	16.7	17.0	16.2	16.1	9.1	15.2	14.0	12.5	11.0	10.7	10.3	10.0	30.0
32.0							14.9	15.2	14.6	14.3	8.5	14.3	13.2	11.7	10.4	10.1	9.7	9.4	32.0
34.0								14.3	13.2	13.3	8.1	12.9	12.4	11.0	9.9	9.5	9.1	8.8	34.0
36.0								12.8	12.1	12.3	7.7	11.6	11.8	10.5	9.3	9.0	8.6	8.4	36.0
38.0									11.2	11.6	7.3	11.0	10.9	9.9	8.9	8.5	8.2	7.9	38.0
40.0									10.1	10.8	6.9	10.0	10.2	9.4	8.5	8.1	7.8	7.5	40.0
42.0										9.8	6.5	9.0	9.3	9.0	8.0	7.7	7.4	7.1	42.0
44.0										8.9	6.3	8.5	8.6	8.4	7.6	7.3	7.0	6.8	44.0
46.0											6.1	8.2	8.4	7.7	7.3	6.9	6.7	6.5	46.0
48.0												7.8	8.0	7.4	7.0	6.7	6.4	6.2	48.0
50.0												7.1	7.3	7.0	6.5	6.4	6.1	5.9	50.0
52.0													6.7	6.4	5.8	5.9	5.9	5.7	52.0
54.0													6.3	5.8	5.3	5.3	5.3	5.3	54.0
56.0														5.3	4.7	4.8	4.8	4.8	56.0
58.0														4.8	4.3	4.3	4.3	4.3	58.0
60.0															4.0	3.9	3.9	3.9	60.0
62.0															3.8	3.6	3.4	3.4	62.0
64.0																3.3	3.2	3.2	64.0
66.0																		3.0	66.0
68.0																		2.9	68.0

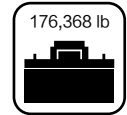
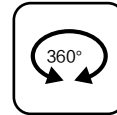
Notes: * Capacity class

ALL TERRAIN CRANE XCA275_U

SUPREME FIVE-AXLE CRANE

T 44.0-239.5 ft

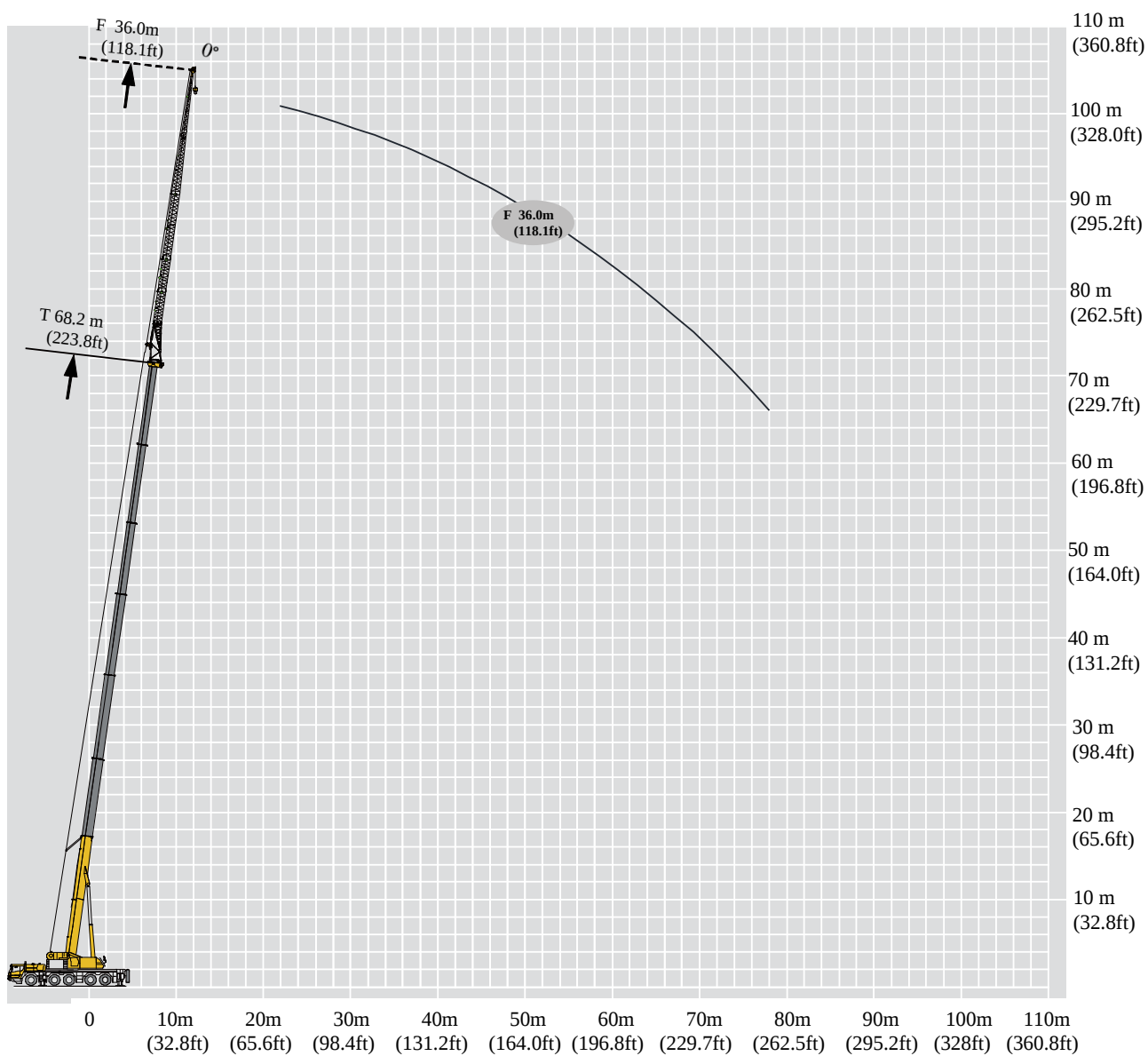
ASME B30.5 85% Units: 1,000 lb

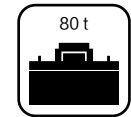
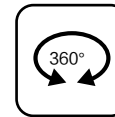
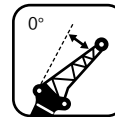
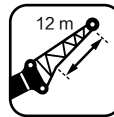


	44.0	59.1	73.8	88.9	104.0	109.3	118.8	133.9	149.0	164.0	174.2	178.8	193.9	209.0	223.8	229.0	234.3	239.5	
8	550*																		8
9.8	330.7	330.7	315.3																9.8
11.5	330.7	319.7	308.6																11.5
13.1	308.6	308.6	297.6	266.8															13.1
14.8	297.6	286.6	280.0	266.8															14.8
16.4	269.0	271.2	264.6	259.9	218.3	72.1													16.4
19.7	233.7	238.1	235.9	230.2	218.3	65.0	176.4												19.7
23.0	209.4	209.4	211.6	207.0	198.4	59.1	176.4	145.5											23.0
26.2	187.4	187.4	189.6	188.5	180.1	54.5	176.1	145.5	121.3										26.2
29.5	169.8	169.8	172.0	172.4	164.9	50.3	161.6	139.6	121.3	106.9									29.5
32.8	143.3	154.3	155.6	156.5	151.9	46.5	148.6	128.7	114.6	99.2	49.4	79.4							32.8
39.4		130.7	129.2	130.3	131.2	40.6	128.1	112.2	100.5	86.0	43.2	74.7	61.3	48.7					39.4
45.9		107.4	103.6	107.6	108.9	35.7	105.8	103.6	89.1	76.3	38.4	67.0	60.2	46.7	41.9	38.1	35.3		45.9
52.5			93.3	91.0	92.2	31.7	89.5	90.6	80.0	68.3	34.6	60.0	54.0	45.9	39.2	36.4	34.2	32.6	52.5
59.1			80.0	78.0	79.6	28.9	76.9	78.0	72.3	61.5	31.5	54.2	48.9	42.8	37.0	35.3	32.8	30.9	59.1
65.6				70.3	69.4	26.2	67.0	68.1	65.9	56.2	28.7	49.2	44.8	39.7	35.5	34.6	32.0	29.5	65.6
72.2				61.3	62.6	23.8	60.2	60.2	58.2	51.8	26.5	45.2	41.2	36.4	32.8	32.0	30.6	29.5	72.2
78.7					57.3	21.8	53.4	53.6	51.6	47.8	24.5	41.7	38.4	33.7	30.2	29.3	28.2	26.7	78.7
85.3					52.5	20.3	46.7	47.6	45.9	44.3	22.7	38.6	35.5	31.5	28.0	27.3	26.0	24.9	85.3
91.9					47.0	18.7	41.4	42.3	40.3	40.1	21.4	35.9	33.1	29.3	26.0	25.1	24.3	23.6	91.9
98.4						17.6	36.8	37.5	35.7	35.5	20.1	33.5	30.9	27.6	24.3	23.6	22.7	22.0	98.4
105.0							32.8	33.5	32.2	31.5	18.7	31.5	29.1	25.8	22.9	22.3	21.4	20.7	105.0
111.5								31.5	29.1	29.3	17.9	28.4	27.3	24.3	21.8	20.9	20.1	19.4	111.5
118.1								28.2	26.7	27.1	17.0	25.6	26.0	23.1	20.5	19.8	19.0	18.5	118.1
124.7									24.7	25.6	16.1	24.3	24.0	21.8	19.6	18.7	18.1	17.4	124.7
131.2									22.3	23.8	15.2	22.0	22.5	20.7	18.7	17.9	17.2	16.5	131.2
137.8										21.6	14.3	19.8	20.5	19.8	17.6	17.0	16.3	15.7	137.8
144.4										19.6	13.9	18.7	19.0	18.5	16.8	16.1	15.4	15.0	144.4
150.9											13.4	18.1	18.5	17.0	16.1	15.2	14.8	14.3	150.9
157.5												17.2	17.6	16.3	15.4	14.8	14.1	13.7	157.5
164.0												15.7	16.1	15.4	14.3	14.1	13.4	13.0	164.0
170.6													14.8	14.1	12.8	13.0	13.0	12.6	170.6
177.2													13.9	12.8	11.7	11.7	11.7	11.7	177.2
183.7														11.7	10.4	10.6	10.6	10.6	183.7
190.3														10.6	9.5	9.5	9.5	9.5	190.3
196.9															8.8	8.6	8.6	8.6	196.9
203.4															8.4	7.9	7.5	7.5	203.4
210.0																7.3	7.1	7.1	210.0
216.5																		6.6	216.5
223.1																		6.4	223.1

Notes: * Capacity class

HEAVY-DUTY FIXED JIB

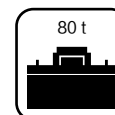
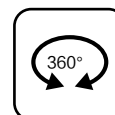
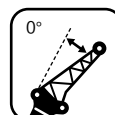
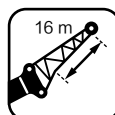


T 27.1-73 m


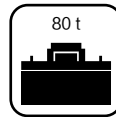
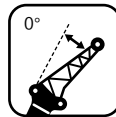
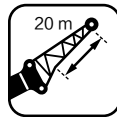
	27.1	31.7	36.2	40.8	59.1	63.7	68.2	73.0	
7	21.1								7
8	19.6	20.9	22.2						8
9	17.6	19.8	21.2	21.3					9
10	15.9	17.9	19.7	20.7					10
12	13.5	15.2	16.7	18.1					12
14	11.6	13.1	14.5	15.6	14.2	11.5			14
16	10.7	11.4	12.7	13.8	14.0	11.5	9.2	7.3	16
18	9.9	10.7	11.3	12.3	13.8	11.1	9.2	7.3	18
20	9.0	10.2	10.6	11.2	13.4	10.6	9.2	7.3	20
22	8.1	9.2	10.2	10.7	12.7	9.9	9.2	7.3	22
24	7.4	8.4	9.4	10.4	11.9	9.4	9.1	7.3	24
26	6.8	7.7	8.6	9.5	11.1	9.0	9.0	7.3	26
28	6.3	7.1	7.9	8.7	10.4	8.6	8.7	7.3	28
30	5.8	6.6	7.3	8.2	9.9	8.2	8.0	7.1	30
32	5.5	6.2	6.9	7.7	9.3	7.8	7.6	6.8	32
34	5.2	5.8	6.5	7.1	8.8	7.4	7.2	6.6	34
36	4.8	5.5	6.1	6.7	8.3	7.0	6.9	6.1	36
38		5.1	5.8	6.4	7.9	6.6	6.5	5.7	38
40		4.9	5.4	6.0	7.4	6.3	6.1	5.3	40
42			5.2	5.7	7.0	6.0	5.7	4.9	42
44			4.9	5.5	6.6	5.7	5.3	4.6	44
46				5.2	6.3	5.4	5.0	4.4	46
48				5.0	5.9	5.1	4.9	4.2	48
50					5.6	4.9	4.6	3.9	50
52					5.2	4.6	4.5	3.7	52
54					4.9	4.3	4.3	3.5	54
56					4.7	4.1	4.1	3.4	56
58					4.5	3.7	3.7	3.2	58
60					4.3	3.3	3.5	3.0	60
62					4.1	2.8	3.4	2.9	62
64					3.7	2.6	3.2	2.8	64
66					3.3	2.4	3.1	2.6	66
68						2.3	2.9	2.5	68
70						2.2	2.8	2.4	70
72							2.4	2.3	72
74								2.0	74

LOAD CHARTS

T 59.1-73 m



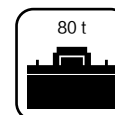
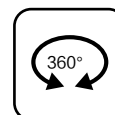
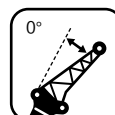
	59.1	63.7	68.2	73.0	
14	11.1				14
16	10.9	9.5			16
18	10.8	9.4	8.1	6.3	18
20	10.5	9.3	8.0	6.4	20
22	10.3	9.2	8.0	6.4	22
24	10.1	9.1	7.9	6.4	24
26	9.8	8.9	7.6	6.4	26
28	9.6	8.6	7.4	6.4	28
30	9.3	8.1	7.3	6.4	30
32	8.8	7.8	6.9	6.2	32
34	8.3	7.4	6.6	6.0	34
36	7.9	7.1	6.3	5.7	36
38	7.5	6.7	6.1	5.3	38
40	7.1	6.3	5.7	4.9	40
42	6.7	6.0	5.3	4.6	42
44	6.3	5.7	5.0	4.3	44
46	6.0	5.3	4.7	4.0	46
48	5.7	5.0	4.4	3.7	48
50	5.4	4.7	4.1	3.4	50
52	5.1	4.4	3.9	3.2	52
54	4.6	4.1	3.6	3.0	54
56	4.1	3.9	3.4	2.8	56
58	3.6	3.7	3.2	2.6	58
60	3.2	3.4	3.0	2.4	60
62	3.0	3.0	2.8	2.3	62
64	2.9	2.6	2.7	2.1	64
66	2.7	2.3	2.5	1.9	66
68	2.6	2.0	2.2	1.8	68
70	2.5	1.9	1.9	1.7	70
72		1.8	1.6	1.5	72
74		1.7	1.3	1.2	74
76			1.1	1.0	76

T 59.1-73 m


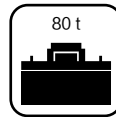
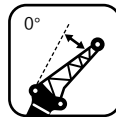
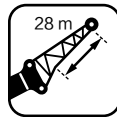
	59.1	63.7	68.2	73.0	
14	6.8				14
16	6.8	6.2	5.5		16
18	6.8	6.2	5.6	5.1	18
20	6.9	6.2	5.6	5.1	20
22	6.9	6.3	5.6	5.1	22
24	6.8	6.3	5.7	5.1	24
26	6.4	6.3	5.7	5.2	26
28	6.0	6.2	5.8	5.2	28
30	5.6	5.9	5.8	5.3	30
32	5.3	5.5	5.7	5.3	32
34	5.0	5.2	5.5	5.3	34
36	4.7	5.0	5.4	5.2	36
38	4.4	4.7	5.2	5.1	38
40	4.2	4.5	5.0	4.9	40
42	4.0	4.4	4.8	4.6	42
44	3.9	4.2	4.6	4.3	44
46	3.7	4.0	4.4	4.1	46
48	3.5	3.8	4.3	3.9	48
50	3.4	3.6	4.2	3.5	50
52	3.3	3.5	3.9	3.3	52
54	3.2	3.4	3.7	3.1	54
56	3.1	3.3	3.6	2.9	56
58	3.0	3.2	3.5	2.8	58
60	2.9	3.1	3.3	2.6	60
62	2.8	3.0	3.1	2.5	62
64	2.7	2.9	2.9	2.4	64
66	2.7	2.6	2.7	2.2	66
68	2.6	2.4	2.6	2.1	68
70	2.5	2.3	2.4	2.0	70
72	2.4	1.9	2.2	1.9	72
74	2.2	1.6	2.0	1.8	74
76		1.5	1.9	1.6	76
78		1.5	1.7	1.4	78

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T 59.1-73 m



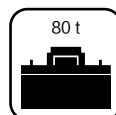
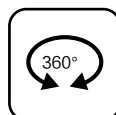
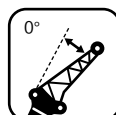
	59.1	63.7	68.2	73.0	
16	6.3				16
18	6.3	5.7	5.1		18
20	6.4	5.7	5.1	4.6	20
22	6.2	5.7	5.2	4.6	22
24	6.1	5.6	5.1	4.6	24
26	5.9	5.5	5.0	4.6	26
28	5.8	5.4	4.9	4.5	28
30	5.6	5.3	4.8	4.5	30
32	5.2	5.2	4.8	4.4	32
34	4.9	5.1	4.7	4.3	34
36	4.7	4.9	4.6	4.3	36
38	4.4	4.7	4.5	4.2	38
40	4.2	4.5	4.5	4.2	40
42	4.0	4.2	4.4	4.1	42
44	3.8	4.1	4.3	3.9	44
46	3.7	3.9	4.1	3.7	46
48	3.5	3.8	4.0	3.4	48
50	3.4	3.6	3.7	3.2	50
52	3.3	3.5	3.5	3.0	52
54	3.2	3.4	3.3	2.8	54
56	3.1	3.3	3.1	2.6	56
58	3.0	3.2	2.9	2.5	58
60	2.9	3.1	2.7	2.3	60
62	2.8	3.0	2.6	2.2	62
64	2.7	2.8	2.4	2.1	64
66	2.6	2.6	2.2	1.9	66
68	2.4	2.5	2.1	1.9	68
70	2.3	2.4	1.9	1.7	70
72	2.2	2.3		1.6	72
74	2.1			1.5	74
76	2.0				76

T 59.1-73 m

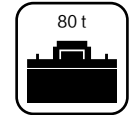
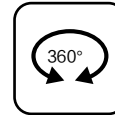
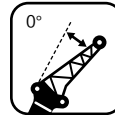
	59.1	63.7	68.2	73.0	
16	5.6				16
18	5.4	4.9	4.4		18
20	5.3	4.9	4.4	3.9	20
22	5.2	4.8	4.3	3.9	22
24	5.0	4.6	4.2	3.8	24
26	4.9	4.6	4.1	3.8	26
28	4.8	4.5	4.1	3.7	28
30	4.7	4.4	4.0	3.7	30
32	4.5	4.3	3.9	3.6	32
34	4.4	4.2	3.9	3.6	34
36	4.3	4.1	3.8	3.5	36
38	4.1	4.0	3.7	3.5	38
40	3.9	3.9	3.7	3.4	40
42	3.7	3.8	3.6	3.4	42
44	3.6	3.8	3.5	3.3	44
46	3.4	3.6	3.5	3.3	46
48	3.3	3.5	3.4	3.2	48
50	3.2	3.3	3.4	2.9	50
52	3.0	3.2	3.3	2.7	52
54	2.9	3.1	3.1	2.5	54
56	2.8	3.0	2.9	2.5	56
58	2.8	2.9	2.7	2.3	58
60	2.6	2.8	2.6	2.2	60
62	2.6	2.7	2.4	2.1	62
64	2.5	2.6	2.3	1.9	64
66	2.4	2.5	2.2	1.8	66
68	2.3	2.4	2.0	1.7	68
70	2.2	2.2	2.0	1.6	70
72	2.0	2.1	1.8	1.5	72
74	1.9	2.0	1.7	1.4	74
76	1.8	1.9	1.6	1.3	76
78	1.7	1.8	1.5		78
80		1.7			80

LOAD CHARTS

T 59.1-68.2 m



	59.1	63.7	68.2	
16	4.7			16
18	4.6	4.2		18
20	4.5	4.1	3.7	20
22	4.4	4.0	3.6	22
24	4.2	3.9	3.5	24
26	4.1	3.8	3.5	26
28	4.0	3.7	3.4	28
30	3.9	3.7	3.3	30
32	3.8	3.6	3.3	32
34	3.7	3.5	3.2	34
36	3.6	3.4	3.2	36
38	3.5	3.4	3.1	38
40	3.4	3.3	3.1	40
42	3.4	3.2	3.0	42
44	3.3	3.1	2.9	44
46	3.2	3.1	2.9	46
48	3.1	3.0	2.8	48
50	3.0	3.0	2.8	50
52	3.0	2.9	2.7	52
54	2.9	2.8	2.6	54
56	2.8	2.6	2.4	56
58	2.7	2.4	2.3	58
60	2.6	2.3	2.1	60
62	2.5	2.2	1.9	62
64	2.4	2.1	1.8	64
66	2.3	2.0	1.7	66
68	2.1	1.9	1.6	68
70	2.0	1.9	1.4	70
72	1.8	1.8	1.3	72
74	1.7	1.7	1.2	74
76	1.6	1.6		76
78	1.5	1.2		78
80	1.3	1.1		80
82	1.2	1.0		82

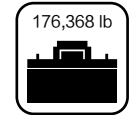
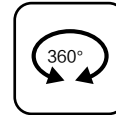
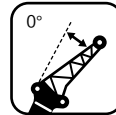
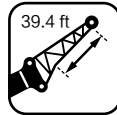
T 59.1-68.2 m

	59.1	63.7	68.2	
18	3.9			18
20	3.8	3.4		20
22	3.7	3.4	3.0	22
24	3.6	3.3	3.0	24
26	3.5	3.2	2.9	26
28	3.4	3.1	2.8	28
30	3.3	3.1	2.8	30
32	3.2	3.0	2.7	32
34	3.1	2.9	2.7	34
36	3.0	2.9	2.6	36
38	3.0	2.8	2.6	38
40	2.9	2.7	2.6	40
42	2.8	2.7	2.6	42
44	2.8	2.6	2.5	44
46	2.7	2.6	2.5	46
48	2.7	2.5	2.5	48
50	2.7	2.4	2.5	50
52	2.6	2.4	2.4	52
54	2.6	2.3	2.3	54
56	2.5	2.3	2.2	56
58	2.5	2.2	2.2	58
60	2.4	2.1	2.1	60
62	2.3	2.0	2.0	62
64	2.2	1.9	1.9	64
66	2.1	1.9	1.8	66
68	2.0	1.9	1.7	68
70	1.8	1.8	1.6	70
72	1.7	1.7	1.6	72
74	1.6	1.6	1.5	74
76	1.6	1.5	1.4	76
78	1.5	1.4	1.3	78
80	1.4	1.3		80
82	1.3	1.2		82
84	1.2	1.1		84

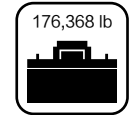
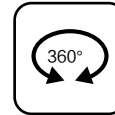
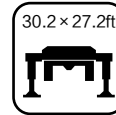
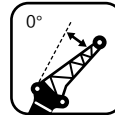
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T 88.9-239.5 ft

ASME B30.5 85% Units: 1,000 lb



	88.9	104.0	118.8	133.9	193.9	209.0	223.8	239.5	
23.0	46.5								23.0
26.2	43.2	46.1	48.9						26.2
29.5	38.8	43.7	46.7	47.0					29.5
32.8	35.1	39.5	43.4	45.6					32.8
39.4	29.8	33.5	36.8	39.9					39.4
45.9	25.6	28.9	32.0	34.4	31.3	25.4			45.9
52.5	23.6	25.1	28.0	30.4	30.9	25.4	20.3	16.1	52.5
59.1	21.8	23.6	24.9	27.1	30.4	24.5	20.3	16.1	59.1
65.6	19.8	22.5	23.4	24.7	29.5	23.4	20.3	16.1	65.6
72.2	17.9	20.3	22.5	23.6	28.0	21.8	20.3	16.1	72.2
78.7	16.3	18.5	20.7	22.9	26.2	20.7	20.1	16.1	78.7
85.3	15.0	17.0	19.0	20.9	24.5	19.8	19.8	16.1	85.3
91.9	13.9	15.7	17.4	19.2	22.9	19.0	19.2	16.1	91.9
98.4	12.8	14.6	16.1	18.1	21.8	18.1	17.6	15.7	98.4
105.0	12.1	13.7	15.2	17.0	20.5	17.2	16.8	15.0	105.0
111.5	11.5	12.8	14.3	15.7	19.4	16.3	15.9	14.6	111.5
118.1	10.6	12.1	13.4	14.8	18.3	15.4	15.2	13.4	118.1
124.7		11.2	12.8	14.1	17.4	14.6	14.3	12.6	124.7
131.2		10.8	11.9	13.2	16.3	13.9	13.4	11.7	131.2
137.8			11.5	12.6	15.4	13.2	12.6	10.8	137.8
144.4			10.8	12.1	14.6	12.6	11.7	10.1	144.4
150.9				11.5	13.9	11.9	11.0	9.7	150.9
157.5				11.0	13.0	11.2	10.8	9.3	157.5
164.0					12.3	10.8	10.1	8.6	164.0
170.6					11.5	10.1	9.9	8.2	170.6
177.2					10.8	9.5	9.5	7.7	177.2
183.7					10.4	9.0	9.0	7.5	183.7
190.3					9.9	8.2	8.2	7.1	190.3
196.8					9.5	7.3	7.7	6.6	196.8
203.4					9.0	6.2	7.5	6.4	203.4
210.0					8.2	5.7	7.1	6.2	210.0
216.5					7.3	5.3	6.8	5.7	216.5
223.1						5.1	6.4	5.5	223.1
229.7						4.9	6.2	5.3	229.7
236.2							5.3	5.1	236.2
242.8								4.4	242.8

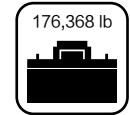
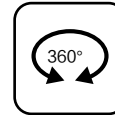
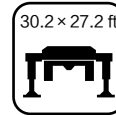
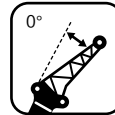
T 193.9-239.5ft**ASME B30.5 85% Units: 1,000 lb**

	193.9	209.0	223.8	239.5	
45.9	24.5				45.9
52.5	24.0	20.9			52.5
59.1	23.8	20.7	17.9	13.9	59.1
65.6	23.1	20.5	17.6	14.1	65.6
72.2	22.7	20.3	17.6	14.1	72.2
78.7	22.3	20.1	17.4	14.1	78.7
85.3	21.6	19.6	16.8	14.1	85.3
91.9	21.2	19.0	16.3	14.1	91.9
98.4	20.5	17.9	16.1	14.1	98.4
105.0	19.4	17.2	15.2	13.7	105.0
111.5	18.3	16.3	14.6	13.2	111.5
118.1	17.4	15.7	13.9	12.6	118.1
124.7	16.5	14.8	13.4	11.7	124.7
131.2	15.7	13.9	12.6	10.8	131.2
137.8	14.8	13.2	11.7	10.1	137.8
144.4	13.9	12.6	11.0	9.5	144.4
150.9	13.2	11.7	10.4	8.8	150.9
157.5	12.6	11.0	9.7	8.2	157.5
164.0	11.9	10.4	9.0	7.5	164.0
170.6	11.2	9.7	8.6	7.1	170.6
177.2	10.1	9.0	7.9	6.6	177.2
183.7	9.0	8.6	7.5	6.2	183.7
190.3	7.9	8.2	7.1	5.7	190.3
196.8	7.1	7.5	6.6	5.3	196.8
203.4	6.6	6.6	6.2	5.1	203.4
210.0	6.4	5.7	6.0	4.6	210.0
216.5	6.0	5.1	5.5	4.2	216.5
223.1	5.7	4.4	4.9	4.0	223.1
229.7	5.5	4.2	4.2	3.7	229.7
236.2		4.0	3.5	3.3	236.2
242.8		3.7	2.9	2.6	242.8
249.3			2.4	2.2	249.3

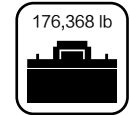
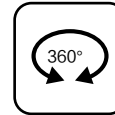
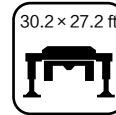
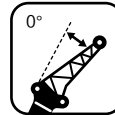
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T 193.9-239.5 ft

ASME B30.5 85% Units: 1,000 lb



	193.9	209.0	223.8	239.5	
45.9	15.0				45.9
52.5	15.0	13.7	12.1		52.5
59.1	15.0	13.7	12.3	11.2	59.1
65.6	15.2	13.7	12.3	11.2	65.6
72.2	15.2	13.9	12.3	11.2	72.2
78.7	15.0	13.9	12.6	11.2	78.7
85.3	14.1	13.9	12.6	11.5	85.3
91.9	13.2	13.7	12.8	11.5	91.9
98.4	12.3	13.0	12.8	11.7	98.4
105.0	11.7	12.1	12.6	11.7	105.0
111.5	11.0	11.5	12.1	11.7	111.5
118.1	10.4	11.0	11.9	11.5	118.1
124.7	9.7	10.4	11.5	11.2	124.7
131.2	9.3	9.9	11.0	10.8	131.2
137.8	8.8	9.7	10.6	10.1	137.8
144.4	8.6	9.3	10.1	9.5	144.4
150.9	8.2	8.8	9.7	9.0	150.9
157.5	7.7	8.4	9.5	8.6	157.5
164.0	7.5	7.9	9.3	7.7	164.0
170.6	7.3	7.7	8.6	7.3	170.6
177.2	7.1	7.5	8.2	6.8	177.2
183.7	6.8	7.3	7.9	6.4	183.7
190.3	6.6	7.1	7.7	6.2	190.3
196.8	6.4	6.8	7.3	5.7	196.8
203.4	6.2	6.6	6.8	5.5	203.4
210.0	6.0	6.4	6.4	5.3	210.0
216.5	6.0	5.7	6.0	4.9	216.5
223.1	5.7	5.3	5.7	4.6	223.1
229.7	5.5	5.1	5.3	4.4	229.7
236.2	5.3	4.2	4.9	4.2	236.2
242.8	4.9	3.5	4.4	4.0	242.8
249.3		3.3	4.2	3.5	249.3
255.9		3.3	3.7	3.1	255.9

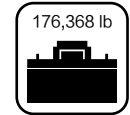
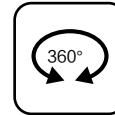
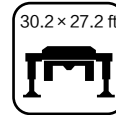
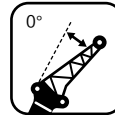
T 193.9-239.5 ft**ASME B30.5 85% Units: 1,000 lb**

	193.9	209.0	223.8	239.5	
52.5	13.9				52.5
59.1	13.9	12.6	11.2		59.1
65.6	14.1	12.6	11.2	10.1	65.6
72.2	13.7	12.6	11.5	10.1	72.2
78.7	13.4	12.3	11.2	10.1	78.7
85.3	13.0	12.1	11.0	10.1	85.3
91.9	12.8	11.9	10.8	9.9	91.9
98.4	12.3	11.7	10.6	9.9	98.4
105.0	11.5	11.5	10.6	9.7	105.0
111.5	10.8	11.2	10.4	9.5	111.5
118.1	10.4	10.8	10.1	9.5	118.1
124.7	9.7	10.4	9.9	9.3	124.7
131.2	9.3	9.9	9.9	9.3	131.2
137.8	8.8	9.3	9.7	9.0	137.8
144.4	8.4	9.0	9.5	8.6	144.4
150.9	8.2	8.6	9.0	8.2	150.9
157.5	7.7	8.4	8.8	7.5	157.5
164.0	7.5	7.9	8.2	7.1	164.0
170.6	7.3	7.7	7.7	6.6	170.6
177.2	7.1	7.5	7.3	6.2	177.2
183.7	6.8	7.3	6.8	5.7	183.7
190.3	6.6	7.1	6.4	5.5	190.3
196.8	6.4	6.8	6.0	5.1	196.8
203.4	6.2	6.6	5.7	4.9	203.4
210.0	6.0	6.2	5.3	4.6	210.0
216.5	5.7	5.7	4.9	4.2	216.5
223.1	5.3	5.5	4.6	4.2	223.1
229.7	5.1	5.3	4.2	3.7	229.7
236.2	4.9	5.1		3.5	236.2
242.8	4.6			3.3	242.8
249.3	4.4				249.3

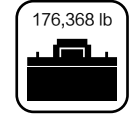
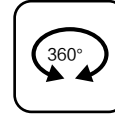
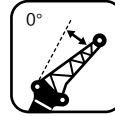
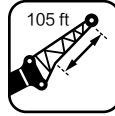
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T 193.9-239.5 ft

ASME B30.5 85% Units: 1,000 lb



	193.9	209.0	223.8	239.5	
52.5	12.3				52.5
59.1	11.9	10.8	9.7		59.1
65.6	11.7	10.8	9.7	8.6	65.6
72.2	11.5	10.6	9.5	8.6	72.2
78.7	11.0	10.1	9.3	8.4	78.7
85.3	10.8	10.1	9.0	8.4	85.3
91.9	10.6	9.9	9.0	8.2	91.9
98.4	10.4	9.7	8.8	8.2	98.4
105.0	9.9	9.5	8.6	7.9	105.0
111.5	9.7	9.3	8.6	7.9	111.5
118.1	9.5	9.0	8.4	7.7	118.1
124.7	9.0	8.8	8.2	7.7	124.7
131.2	8.6	8.6	8.2	7.5	131.2
137.8	8.2	8.4	7.9	7.5	137.8
144.4	7.9	8.4	7.7	7.3	144.4
150.9	7.5	7.9	7.7	7.3	150.9
157.5	7.3	7.7	7.5	7.1	157.5
164.0	7.1	7.3	7.5	6.4	164.0
170.6	6.6	7.1	7.3	6.0	170.6
177.2	6.4	6.8	6.8	5.5	177.2
183.7	6.2	6.6	6.4	5.5	183.7
190.3	6.2	6.4	6.0	5.1	190.3
196.8	5.7	6.2	5.7	4.9	196.8
203.4	5.7	6.0	5.3	4.6	203.4
210.0	5.5	5.7	5.1	4.2	210.0
216.5	5.3	5.5	4.9	4.0	216.5
223.1	5.1	5.3	4.4	3.7	223.1
229.7	4.9	4.9	4.4	3.5	229.7
236.2	4.4	4.6	4.0	3.3	236.2
242.8	4.2	4.4	3.7	3.1	242.8
249.3	4.0	4.2	3.5	2.9	249.3
255.9	3.7	4.0	3.3		255.9
262.5		3.7			262.5

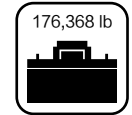
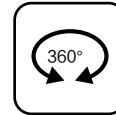
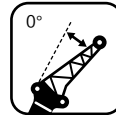
T 193.9-223.8 ft**ASME B30.5 85% Units: 1,000 lb**

	193.9	209.0	223.8	
52.5	10.4			52.5
59.1	10.1	9.3		59.1
65.6	9.9	9.0	8.2	65.6
72.2	9.7	8.8	7.9	72.2
78.7	9.3	8.6	7.7	78.7
85.3	9.0	8.4	7.7	85.3
91.9	8.8	8.2	7.5	91.9
98.4	8.6	8.2	7.3	98.4
105.0	8.4	7.9	7.3	105.0
111.5	8.2	7.7	7.1	111.5
118.1	7.9	7.5	7.1	118.1
124.7	7.7	7.5	6.8	124.7
131.2	7.5	7.3	6.8	131.2
137.8	7.5	7.1	6.6	137.8
144.4	7.3	6.8	6.4	144.4
150.9	7.1	6.8	6.4	150.9
157.5	6.8	6.6	6.2	157.5
164.0	6.6	6.6	6.2	164.0
170.6	6.6	6.4	6.0	170.6
177.2	6.4	6.2	5.7	177.2
183.7	6.2	5.7	5.3	183.7
190.3	6.0	5.3	5.1	190.3
196.8	5.7	5.1	4.6	196.8
203.4	5.5	4.9	4.2	203.4
210.0	5.3	4.6	4.0	210.0
216.5	5.1	4.4	3.7	216.5
223.1	4.6	4.2	3.5	223.1
229.7	4.4	4.2	3.1	229.7
236.2	4.0	4.0	2.9	236.2
242.8	3.7	3.7	2.6	242.8
249.3	3.5	3.5		249.3
255.9	3.3	2.6		255.9
262.5	2.9	2.4		262.5
269.0	2.6	2.2		269.0

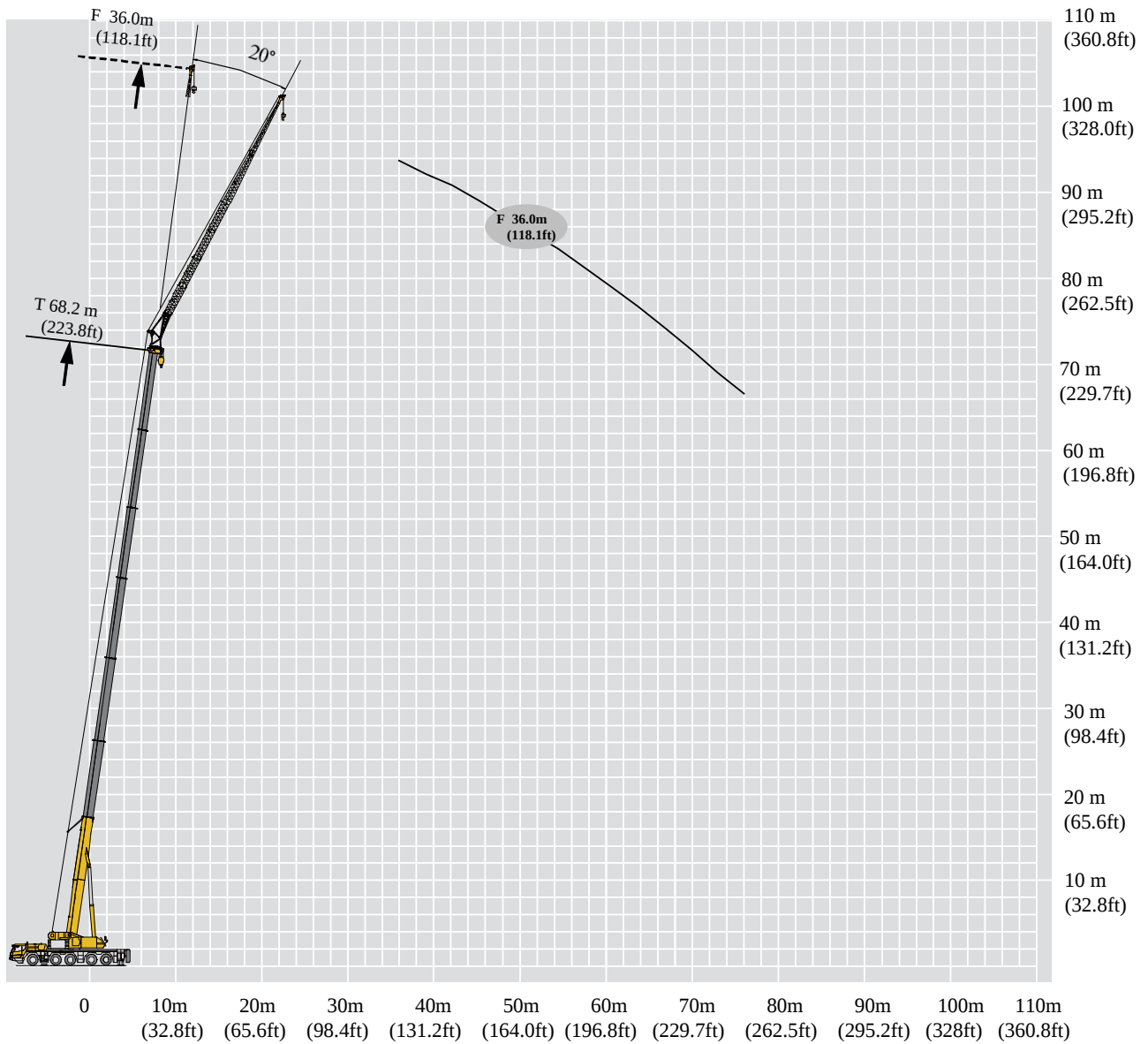
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T 193.9-223.8 ft

ASME B30.5 85% Units: 1,000 lb

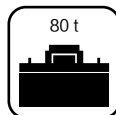
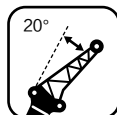


	193.9	209.0	223.8	
59.1	8.6			59.1
65.6	8.4	7.5		65.6
72.2	8.2	7.5	6.6	72.2
78.7	7.9	7.3	6.6	78.7
85.3	7.7	7.1	6.4	85.3
91.9	7.5	6.8	6.2	91.9
98.4	7.3	6.8	6.2	98.4
105.0	7.1	6.6	6.0	105.0
111.5	6.8	6.4	6.0	111.5
118.1	6.6	6.4	5.7	118.1
124.7	6.6	6.2	5.7	124.7
131.2	6.4	6.0	5.7	131.2
137.8	6.2	6.0	5.7	137.8
144.4	6.2	5.7	5.5	144.4
150.9	6.0	5.7	5.5	150.9
157.5	6.0	5.5	5.5	157.5
164.0	6.0	5.3	5.5	164.0
170.6	5.7	5.3	5.3	170.6
177.2	5.7	5.1	5.1	177.2
183.7	5.5	5.1	4.9	183.7
190.3	5.5	4.9	4.9	190.3
196.8	5.3	4.6	4.6	196.8
203.4	5.1	4.4	4.4	203.4
210.0	4.9	4.2	4.2	210.0
216.5	4.6	4.2	4.0	216.5
223.1	4.4	4.2	3.7	223.1
229.7	4.0	4.0	3.5	229.7
236.2	3.7	3.7	3.5	236.2
242.8	3.5	3.5	3.3	242.8
249.3	3.5	3.3	3.1	249.3
255.9	3.3	3.1	2.9	255.9
262.5	3.1	2.9		262.5
269.0	2.9	2.6		269.0
275.6	2.6	2.4		275.6

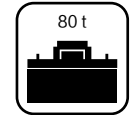
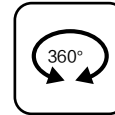
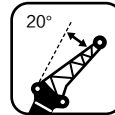
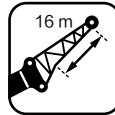
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T 27.1-73 m



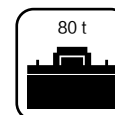
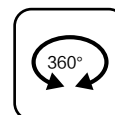
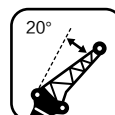
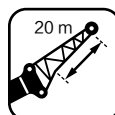
	27.1	31.7	36.2	40.8	59.1	63.7	68.2	73.0	
8	10.1								8
9	9.6	10.0							9
10	9.3	9.6							10
12	8.7	9.0	9.2	9.4					12
14	8.1	8.4	8.7	8.9					14
16	7.6	7.9	8.2	8.5					16
18	7.2	7.5	7.8	8.0	11.8	11.3			18
20	6.8	7.2	7.5	7.7	11.5	10.9	9.0		20
22	6.5	6.9	7.1	7.4	11.2	10.4	8.7	7.8	22
24	6.2	6.6	6.9	7.1	11.1	10.0	8.4	7.6	24
26	5.9	6.3	6.6	6.8	10.7	9.5	8.1	7.3	26
28	5.8	6.1	6.4	6.7	10.1	9.0	7.8	7.3	28
30	5.7	5.9	6.2	6.4	9.6	8.6	7.6	6.9	30
32	5.5	5.7	5.9	6.3	9.1	8.1	7.3	6.5	32
34		5.6	5.8	6.1	8.6	7.5	6.9	6.0	34
36		5.5	5.7	6.0	8.1	7.0	6.4	5.6	36
38			5.6	5.9	7.5	6.5	6.1	5.3	38
40			5.5	5.7	7.1	6.1	5.7	5.1	40
42				5.6	6.8	5.7	5.4	4.7	42
44				5.5	6.4	5.3	5.2	4.5	44
46					6.1	5.0	4.9	4.3	46
48					5.8	4.7	4.7	4.0	48
50					5.5	4.4	4.4	3.8	50
52					5.3	4.1	4.2	3.6	52
54					5.0	3.8	4.1	3.5	54
56					4.9	3.6	3.9	3.3	56
58					4.7	3.4	3.7	3.2	58
60					4.0	3.2	3.6	3.0	60
62					3.6	3.0	3.5	2.9	62
64					3.1	2.6	3.3	2.8	64
66						2.4	3.2	2.7	66
68						2.2	2.9	2.5	68
70							2.5	2.3	70
72							2.0	2.0	72

T 59.1-73 m


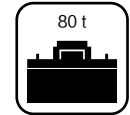
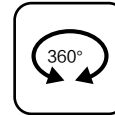
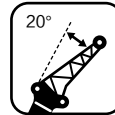
	59.1	63.7	68.2	73.0	
20	8.5				20
22	8.3	7.7			22
24	8.1	7.6	7.0		24
26	8.0	7.5	6.9	6.4	26
28	7.8	7.4	6.8	6.2	28
30	7.7	7.3	6.6	6.1	30
32	7.5	7.2	6.4	5.9	32
34	7.3	7.0	6.2	5.6	34
36	7.2	6.6	5.8	5.2	36
38	7.0	6.2	5.5	4.8	38
40	6.6	5.7	5.1	4.5	40
42	6.2	5.3	4.8	4.2	42
44	5.8	5.0	4.4	3.8	44
46	5.4	4.7	4.1	3.5	46
48	5.1	4.4	3.8	3.3	48
50	4.8	4.1	3.6	3.1	50
52	4.5	3.8	3.3	2.8	52
54	4.2	3.5	3.1	2.6	54
56	3.9	3.3	2.9	2.4	56
58	3.7	3.1	2.7	2.2	58
60	3.5	2.9	2.5	2.0	60
62	3.2	2.7	2.4	1.9	62
64	2.9	2.6	2.2	1.7	64
66	2.7	2.4	2.0	1.5	66
68	2.6	2.2	1.9	1.4	68
70		2.1	1.7		70
72		1.9	1.6		72
74			1.5		74
76			1.3		76

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T 59.1-73 m



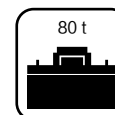
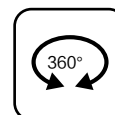
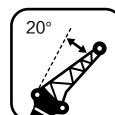
	59.1	63.7	68.2	73.0	
20	4.6				20
22	4.4	4.4			22
24	4.2	4.2	4.3		24
26	4.0	4.1	4.1	4.1	26
28	3.9	3.9	4.0	4.0	28
30	3.7	3.8	3.9	3.9	30
32	3.6	3.7	3.8	3.8	32
34	3.5	3.6	3.7	3.7	34
36	3.4	3.5	3.6	3.7	36
38	3.3	3.4	3.5	3.6	38
40	3.2	3.3	3.4	3.5	40
42	3.1	3.2	3.3	3.5	42
44	3.1	3.2	3.3	3.4	44
46	3.0	3.1	3.2	3.4	46
48	2.9	3.0	3.2	3.2	48
50	2.9	3.0	3.1	3.0	50
52	2.8	2.9	3.1	2.8	52
54	2.8	2.9	3.0	2.6	54
56	2.7	2.9	2.9	2.5	56
58	2.7	2.8	2.7	2.4	58
60	2.7	2.8	2.6	2.2	60
62	2.7	2.7	2.4	2.1	62
64	2.6	2.5	2.3	2.0	64
66	2.6	2.4	2.2	1.8	66
68	2.6	2.2	2.0		68
70	2.5	2.1	1.9		70
72	2.3	2.0	1.8		72
74		1.9	1.7		74
76		1.8	1.6		76
78			1.4		78
80			1.3		80

T 59.1-73 m

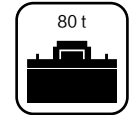
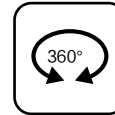
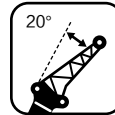
	59.1	63.7	68.2	73.0	
22	4.4				22
24	4.2	4.2			24
26	4.0	4.1	4.1		26
28	3.9	3.9	4.0	3.9	28
30	3.7	3.8	3.8	3.8	30
32	3.6	3.7	3.7	3.8	32
34	3.5	3.5	3.6	3.7	34
36	3.4	3.4	3.5	3.6	36
38	3.3	3.3	3.4	3.5	38
40	3.2	3.3	3.4	3.5	40
42	3.1	3.2	3.3	3.4	42
44	3.0	3.1	3.2	3.3	44
46	3.0	3.0	3.2	3.3	46
48	2.9	3.0	3.1	3.0	48
50	2.8	2.9	3.0	2.8	50
52	2.8	2.9	3.0	2.6	52
54	2.7	2.9	2.9	2.4	54
56	2.7	2.8	2.7	2.2	56
58	2.6	2.7	2.5	2.0	58
60	2.6	2.7	2.3	1.9	60
62	2.6	2.5	2.2	1.7	62
64	2.6	2.3	2.0	1.5	64
66	2.5	2.2	1.8		66
68	2.5	2.0	1.7		68
70	2.3	1.8	1.5		70
72	2.2	1.7	1.4		72
74	2.1	1.6			74
76	2.0	1.5			76
78		1.4			78
80		1.3			80

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T 59.1-73 m



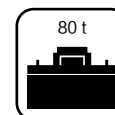
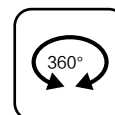
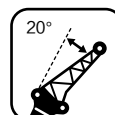
	59.1	63.7	68.2	73.0	
26	3.7				26
28	3.6	3.6			28
30	3.5	3.5	3.3		30
32	3.3	3.4	3.3	3.1	32
34	3.2	3.3	3.2	3.0	34
36	3.1	3.2	3.1	3.0	36
38	3.0	3.1	3.1	2.9	38
40	2.9	3.0	3.1	2.9	40
42	2.9	2.9	3.0	2.9	42
44	2.8	2.8	2.9	2.8	44
46	2.7	2.8	2.9	2.8	46
48	2.6	2.7	2.8	2.8	48
50	2.6	2.7	2.8	2.6	50
52	2.5	2.6	2.7	2.4	52
54	2.5	2.6	2.6	2.2	54
56	2.4	2.5	2.5	2.0	56
58	2.4	2.5	2.3	1.9	58
60	2.3	2.4	2.1	1.7	60
62	2.3	2.3	2.0		62
64	2.3	2.2	1.8		64
66	2.2	2.0	1.6		66
68	2.2	1.8	1.5		68
70	2.1	1.7			70
72	2.0	1.5			72
74	1.8	1.4			74
76	1.7	1.3			76
78	1.6				78
80	1.5				80

T 59.1-68.2 m

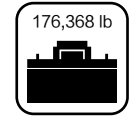
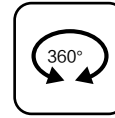
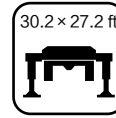
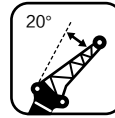
	59.1	63.7	68.2	
28	3.1			28
30	3.1	2.9		30
32	3.0	2.9	2.7	32
34	2.9	2.8	2.6	34
36	2.8	2.7	2.6	36
38	2.7	2.7	2.6	38
40	2.6	2.6	2.5	40
42	2.5	2.6	2.5	42
44	2.5	2.5	2.4	44
46	2.4	2.5	2.4	46
48	2.3	2.4	2.4	48
50	2.3	2.3	2.3	50
52	2.2	2.3	2.3	52
54	2.2	2.2	2.3	54
56	2.1	2.2	2.2	56
58	2.1	2.2	2.1	58
60	2.0	2.1	2.0	60
62	2.0	2.1	1.8	62
64	2.0	2.0	1.7	64
66	1.9	1.9	1.5	66
68	1.9	1.7		68
70	1.8	1.6		70
72	1.8	1.4		72
74	1.8			74
76	1.6			76
78	1.5			78
80	1.4			80
82	1.3			82
84	1.2			84

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T 59.1-68.2 m



	59.1	63.7	68.2	
30	2.5			30
32	2.5	2.4		32
34	2.4	2.3		34
36	2.4	2.3	2.1	36
38	2.3	2.2	2.1	38
40	2.3	2.2	2.0	40
42	2.2	2.1	2.0	42
44	2.1	2.1	2.0	44
46	2.1	2.0	2.0	46
48	2.1	2.0	1.9	48
50	2.0	2.0	1.9	50
52	2.0	1.9	1.9	52
54	1.9	1.9	1.8	54
56	1.9	1.9	1.8	56
58	1.9	1.8	1.8	58
60	1.9	1.8	1.8	60
62	1.8	1.7	1.6	62
64	1.8	1.7	1.6	64
66	1.7	1.7	1.6	66
68	1.7	1.5	1.5	68
70	1.6		1.4	70
72	1.5		1.3	72
74	1.4		1.2	74
76	1.4		1.0	76

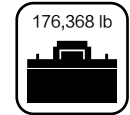
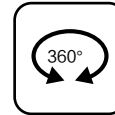
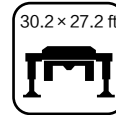
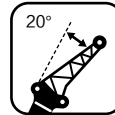
T 88.9-239.5 ft**ASME B30.5 85% Units: 1,000 lb**

	88.9	104.0	118.8	133.9	193.9	209.0	223.8	239.5	
26.2	22.3								26.2
29.5	21.2	22.0							29.5
32.8	20.5	21.2							32.8
39.4	19.2	19.8	20.3	20.7					39.4
45.9	17.9	18.5	19.2	19.6					45.9
52.5	16.8	17.4	18.1	18.7					52.5
59.1	15.9	16.5	17.2	17.6	26.0	24.9			59.1
65.6	15.0	15.9	16.5	17.0	25.4	24.0	19.8		65.6
72.2	14.3	15.2	15.7	16.3	24.7	22.9	19.2	17.2	72.2
78.7	13.7	14.6	15.2	15.7	24.5	22.0	18.5	16.8	78.7
85.3	13.0	13.9	14.6	15.0	23.6	20.9	17.9	16.1	85.3
91.9	12.8	13.4	14.1	14.8	22.3	19.8	17.2	16.1	91.9
98.4	12.6	13.0	13.7	14.1	21.2	19.0	16.8	15.2	98.4
105.0	12.1	12.6	13.0	13.9	20.1	17.9	16.1	14.3	105.0
111.5		12.3	12.8	13.4	19.0	16.5	15.2	13.2	111.5
118.1		12.1	12.6	13.2	17.9	15.4	14.1	12.3	118.1
124.7			12.3	13.0	16.5	14.3	13.4	11.7	124.7
131.2			12.1	12.6	15.7	13.4	12.6	11.2	131.2
137.8				12.3	15.0	12.6	11.9	10.4	137.8
144.4				12.1	14.1	11.7	11.5	9.9	144.4
150.9					13.4	11.0	10.8	9.5	150.9
157.5					12.8	10.4	10.4	8.8	157.5
164.0					12.1	9.7	9.7	8.4	164.0
170.6					11.7	9.0	9.3	7.9	170.6
177.2					11.0	8.4	9.0	7.7	177.2
183.7					10.8	7.9	8.6	7.3	183.7
190.3					10.4	7.5	8.2	7.1	190.3
196.8					8.8	7.1	7.9	6.6	196.8
203.4					7.9	6.6	7.7	6.4	203.4
210.0					6.8	5.7	7.3	6.2	210.0
216.5						5.3	7.1	6.0	216.5
223.1						4.9	6.4	5.5	223.1
229.7							5.5	5.1	229.7
236.2							4.4	4.4	236.2

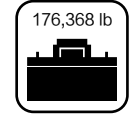
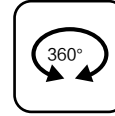
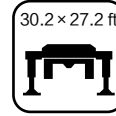
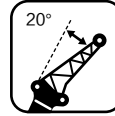
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T 193.9-239.5 ft

ASME B30.5 85% Units: 1,000 lb



	193.9	209.0	223.8	239.5	
65.6	18.7				65.6
72.2	18.3	17.0			72.2
78.7	17.9	16.8	15.4		78.7
85.3	17.6	16.5	15.2	14.1	85.3
91.9	17.2	16.3	15.0	13.7	91.9
98.4	17.0	16.1	14.6	13.4	98.4
105.0	16.5	15.9	14.1	13.0	105.0
111.5	16.1	15.4	13.7	12.3	111.5
118.1	15.9	14.6	12.8	11.5	118.1
124.7	15.4	13.7	12.1	10.6	124.7
131.2	14.6	12.6	11.2	9.9	131.2
137.8	13.7	11.7	10.6	9.3	137.8
144.4	12.8	11.0	9.7	8.4	144.4
150.9	11.9	10.4	9.0	7.7	150.9
157.5	11.2	9.7	8.4	7.3	157.5
164.0	10.6	9.0	7.9	6.8	164.0
170.6	9.9	8.4	7.3	6.2	170.6
177.2	9.3	7.7	6.8	5.7	177.2
183.7	8.6	7.3	6.4	5.3	183.7
190.3	8.2	6.8	6.0	4.9	190.3
196.8	7.7	6.4	5.5	4.4	196.8
203.4	7.1	6.0	5.3	4.2	203.4
210.0	6.4	5.7	4.9	3.7	210.0
216.5	6.0	5.3	4.4	3.3	216.5
223.1	5.7	4.9	4.2	3.1	223.1
229.7		4.6	3.7		229.7
236.2		4.2	3.5		236.2
242.8			3.3		242.8
249.3			2.9		249.3

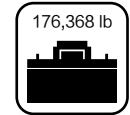
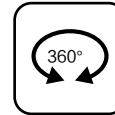
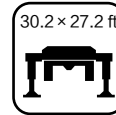
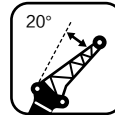
T 193.9-239.5 ft**ASME B30.5 85% Units: 1,000 lb**

		193.9	209.0	223.8	239.5	
65.6		10.1				65.6
72.2		9.7	9.7			72.2
78.7		9.3	9.3	9.5		78.7
85.3		8.8	9.0	9.0	9.0	85.3
91.9		8.6	8.6	8.8	8.8	91.9
98.4		8.2	8.4	8.6	8.6	98.4
105.0		7.9	8.2	8.4	8.4	105.0
111.5		7.7	7.9	8.2	8.2	111.5
118.1		7.5	7.7	7.9	8.2	118.1
124.7		7.3	7.5	7.7	7.9	124.7
131.2		7.1	7.3	7.5	7.7	131.2
137.8		6.8	7.1	7.3	7.7	137.8
144.4		6.8	7.1	7.3	7.5	144.4
150.9		6.6	6.8	7.1	7.5	150.9
157.5		6.4	6.6	7.1	7.1	157.5
164.0		6.4	6.6	6.8	6.6	164.0
170.6		6.2	6.4	6.8	6.2	170.6
177.2		6.2	6.4	6.6	5.7	177.2
183.7		6.0	6.4	6.4	5.5	183.7
190.3		6.0	6.2	6.0	5.3	190.3
196.8		6.0	6.2	5.7	4.9	196.8
203.4		6.0	6.0	5.3	4.6	203.4
210.0		5.7	5.5	5.1	4.4	210.0
216.5		5.7	5.3	4.9	4.0	216.5
223.1		5.7	4.9	4.4		223.1
229.7		5.5	4.6	4.2		229.7
236.2		5.1	4.4	4.0		236.2
242.8			4.2	3.7		242.8
249.3			4.0	3.5		249.3
255.9				3.1		255.9
262.5				2.9		262.5

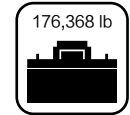
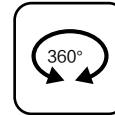
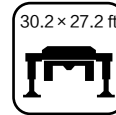
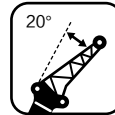
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T 193.9-239.5 ft

ASME B30.5 85% Units: 1,000 lb



	193.9	209.0	223.8	239.5	
72.2	9.7				72.2
78.7	9.3	9.3			78.7
85.3	8.8	9.0	9.0		85.3
91.9	8.6	8.6	8.8	8.6	91.9
98.4	8.2	8.4	8.4	8.4	98.4
105.0	7.9	8.2	8.2	8.4	105.0
111.5	7.7	7.7	7.9	8.2	111.5
118.1	7.5	7.5	7.7	7.9	118.1
124.7	7.3	7.3	7.5	7.7	124.7
131.2	7.1	7.3	7.5	7.7	131.2
137.8	6.8	7.1	7.3	7.5	137.8
144.4	6.6	6.8	7.1	7.3	144.4
150.9	6.6	6.6	7.1	7.3	150.9
157.5	6.4	6.6	6.8	6.6	157.5
164.0	6.2	6.4	6.6	6.2	164.0
170.6	6.2	6.4	6.6	5.7	170.6
177.2	6.0	6.4	6.4	5.3	177.2
183.7	6.0	6.2	6.0	4.9	183.7
190.3	5.7	6.0	5.5	4.4	190.3
196.8	5.7	6.0	5.1	4.2	196.8
203.4	5.7	5.5	4.9	3.7	203.4
210.0	5.7	5.1	4.4	3.3	210.0
216.5	5.5	4.9	4.0		216.5
223.1	5.5	4.4	3.7		223.1
229.7	5.1	4.0	3.3		229.7
236.2	4.9	3.7	3.1		236.2
242.8	4.6	3.5			242.8
249.3	4.4	3.3			249.3
255.9		3.1			255.9
262.5		2.9			262.5

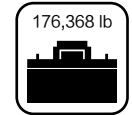
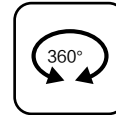
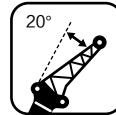
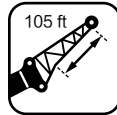
T 193.9-239.5 ft**ASME B30.5 85% Units: 1,000 lb**

	193.9	209.0	223.8	239.5	
85.3	8.2				85.3
91.9	7.9	7.9			91.9
98.4	7.7	7.7	7.3		98.4
105.0	7.3	7.5	7.3	6.8	105.0
111.5	7.1	7.3	7.1	6.6	111.5
118.1	6.8	7.1	6.8	6.6	118.1
124.7	6.6	6.8	6.8	6.4	124.7
131.2	6.4	6.6	6.8	6.4	131.2
137.8	6.4	6.4	6.6	6.4	137.8
144.4	6.2	6.2	6.4	6.2	144.4
150.9	6.0	6.2	6.4	6.2	150.9
157.5	5.7	6.0	6.2	6.2	157.5
164.0	5.7	6.0	6.2	5.7	164.0
170.6	5.5	5.7	6.0	5.3	170.6
177.2	5.5	5.7	5.7	4.9	177.2
183.7	5.3	5.5	5.5	4.4	183.7
190.3	5.3	5.5	5.1	4.2	190.3
196.8	5.1	5.3	4.6	3.7	196.8
203.4	5.1	5.1	4.4		203.4
210.0	5.1	4.9	4.0		210.0
216.5	4.9	4.4	3.5		216.5
223.1	4.9	4.0	3.3		223.1
229.7	4.6	3.7			229.7
236.2	4.4	3.3			236.2
242.8	4.0	3.1			242.8
249.3	3.7	2.9			249.3
255.9	3.5				255.9
262.5	3.3				262.5

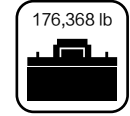
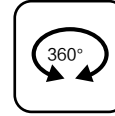
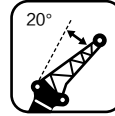
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T 193.9-223.8 ft

ASME B30.5 85% Units: 1,000 lb

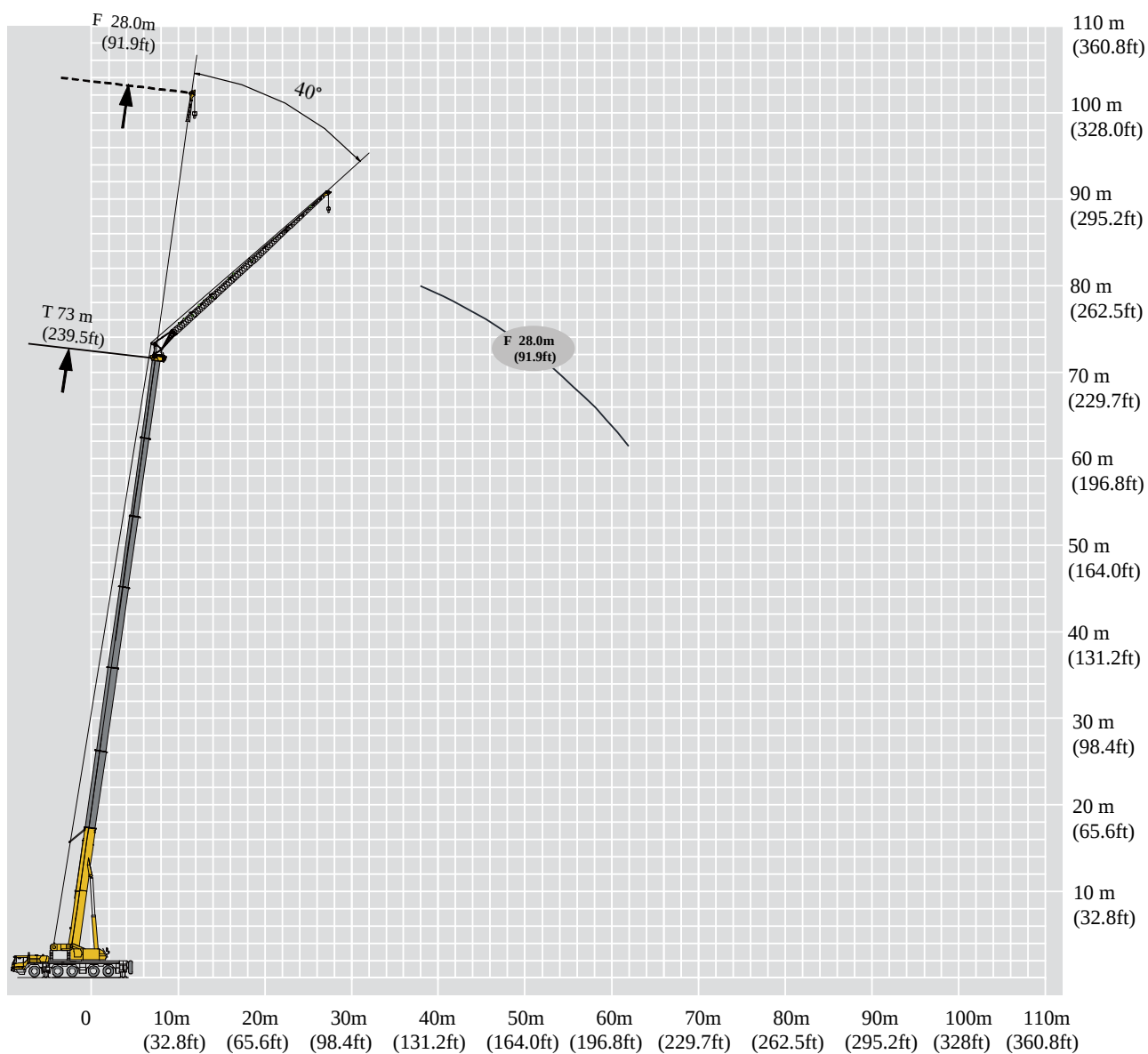


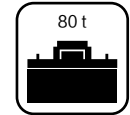
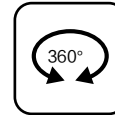
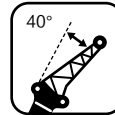
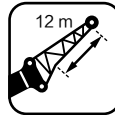
	193.9	209.0	223.8	
91.9	6.8			91.9
98.4	6.8	6.4		98.4
105.0	6.6	6.4	6.0	105.0
111.5	6.4	6.2	5.7	111.5
118.1	6.2	6.0	5.7	118.1
124.7	6.0	6.0	5.7	124.7
131.2	5.7	5.7	5.5	131.2
137.8	5.5	5.7	5.5	137.8
144.4	5.5	5.5	5.3	144.4
150.9	5.3	5.5	5.3	150.9
157.5	5.1	5.3	5.3	157.5
164.0	5.1	5.1	5.1	164.0
170.6	4.9	5.1	5.1	170.6
177.2	4.9	4.9	5.1	177.2
183.7	4.6	4.9	4.9	183.7
190.3	4.6	4.9	4.6	190.3
196.8	4.4	4.6	4.4	196.8
203.4	4.4	4.6	4.0	203.4
210.0	4.4	4.4	3.7	210.0
216.5	4.2	4.2	3.3	216.5
223.1	4.2	3.7		223.1
229.7	4.0	3.5		229.7
236.2	4.0	3.1		236.2
242.8	4.0			242.8
249.3	3.5			249.3
255.9	3.3			255.9
262.5	3.1			262.5
269.0	2.9			269.0
275.6	2.6			275.6

T 193.9-223.8 ft**ASME B30.5 85% Units: 1,000 lb**

	193.9	209.0	223.8	
98.4	5.5			98.4
105.0	5.5	5.3		105.0
111.5	5.3	5.1		111.5
118.1	5.3	5.1	4.6	118.1
124.7	5.1	4.9	4.6	124.7
131.2	5.1	4.9	4.4	131.2
137.8	4.9	4.6	4.4	137.8
144.4	4.6	4.6	4.4	144.4
150.9	4.6	4.4	4.4	150.9
157.5	4.6	4.4	4.2	157.5
164.0	4.4	4.4	4.2	164.0
170.6	4.4	4.2	4.2	170.6
177.2	4.2	4.2	4.0	177.2
183.7	4.2	4.2	4.0	183.7
190.3	4.2	4.0	4.0	190.3
196.8	4.2	4.0	4.0	196.8
203.4	4.0	3.7	3.5	203.4
210.0	4.0	3.7	3.5	210.0
216.5	3.7	3.7	3.5	216.5
223.1	3.7	3.3	3.3	223.1
229.7	3.5		3.1	229.7
236.2	3.3		2.9	236.2
242.8	3.1		2.6	242.8
249.3	3.1		2.2	249.3

HEAVY-DUTY FIXED JIB

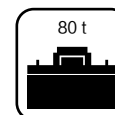
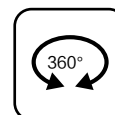
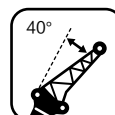
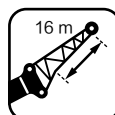


T 59.1-73 m

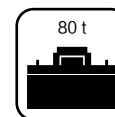
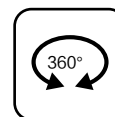
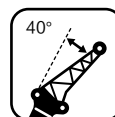
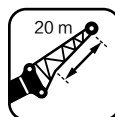
	59.1	63.7	68.2	73.0	
20	9.2				20
22	9.1	9.0			22
24	9.1	8.9	8.2		24
26	9.0	8.8	7.9	7.2	26
28	8.9	8.7	7.6	7.0	28
30	8.8	8.4	7.3	6.8	30
32	8.7	8.0	7.0	6.4	32
34	8.4	7.4	6.7	5.9	34
36	7.9	6.9	6.3	5.5	36
38	7.5	6.5	6.0	5.3	38
40	7.3	6.1	5.7	4.9	40
42	7.0	5.6	5.4	4.6	42
44	6.7	5.3	5.1	4.5	44
46	6.3	5.0	4.9	4.3	46
48	6.0	4.7	4.7	4.1	48
50	5.8	4.4	4.3	3.8	50
52	5.5	4.1	3.9	3.6	52
54		3.8	3.7	3.4	54
56		3.6	3.6	3.2	56
58			3.3	3.0	58
60				2.9	60
62				2.7	62

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T 59.1-73 m



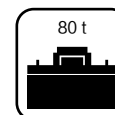
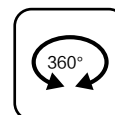
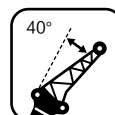
	59.1	63.7	68.2	73.0	
24	6.7				24
26	6.6	6.5			26
28	6.5	6.4	6.1		28
30	6.4	6.3	6.1	5.8	30
32	6.3	6.2	6.0	5.6	32
34	6.2	6.1	5.8	5.5	34
36	6.1	6.0	5.7	5.2	36
38	6.1	6.0	5.4	4.8	38
40	6.0	5.6	5.0	4.4	40
42	6.0	5.3	4.7	4.2	42
44	5.8	5.0	4.5	4.0	44
46	5.4	4.7	4.3	3.9	46
48	5.1	4.4	4.1	3.7	48
50	4.8	4.3	3.9	3.4	50
52	4.5	4.0	3.6	3.1	52
54	4.2	3.8	3.4	3.0	54
56	3.9	3.7	3.2	2.9	56
58		3.5	3.1	2.8	58
60		2.9	2.8	2.7	60
62			2.7	2.6	62
64				2.5	64
66				2.3	66

T 59.1-73 m

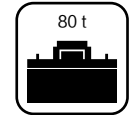
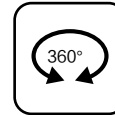
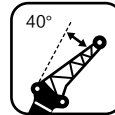
	59.1	63.7	68.2	73.0	
26	3.2	3.2			26
28	3.2	3.2	3.2		28
30	3.1	3.1	3.1	3.1	30
32	3.0	3.1	3.1	3.1	32
34	3.0	3.0	3.1	3.1	34
36	2.9	3.0	3.0	3.0	36
38	2.9	3.0	3.0	3.0	38
40	2.9	2.9	2.9	3.0	40
42	2.8	2.9	2.9	3.0	42
44	2.8	2.9	2.9	2.9	44
46	2.8	2.8	2.9	2.9	46
48	2.8	2.8	2.9	2.9	48
50	2.8	2.8	2.9	2.9	50
52	2.7	2.8	2.8	2.9	52
54	2.7	2.8	2.8	2.9	54
56	2.7	2.8	2.8	2.8	56
58	2.7	2.7	2.8	2.6	58
60	2.7	2.7	2.7	2.4	60
62		2.7	2.7	2.2	62
64		2.6	2.5	2.0	64
66			2.4	1.8	66
68				1.6	68
70				1.5	70

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T 59.1-73 m



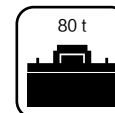
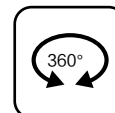
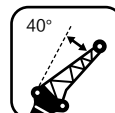
	59.1	63.7	68.2	73.0	
28	2.8				28
30	2.7	2.7			30
32	2.6	2.7	2.7		32
34	2.6	2.6	2.6	2.7	34
36	2.5	2.6	2.6	2.6	36
38	2.5	2.5	2.6	2.6	38
40	2.5	2.5	2.5	2.6	40
42	2.4	2.5	2.5	2.5	42
44	2.4	2.5	2.5	2.5	44
46	2.4	2.4	2.5	2.5	46
48	2.4	2.4	2.4	2.5	48
50	2.4	2.4	2.4	2.5	50
52	2.4	2.4	2.4	2.5	52
54	2.3	2.4	2.4	2.4	54
56	2.3	2.4	2.4	2.3	56
58	2.3	2.4	2.4	2.1	58
60	2.3	2.4	2.4	1.9	60
62	2.3	2.4	2.2	1.8	62
64	2.3	2.3	2.1	1.6	64
66		2.2	1.9	1.5	66
68			1.7		68
70			1.6		70

T 59.1-73 m

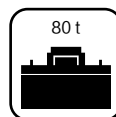
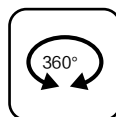
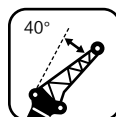
	59.1	63.7	68.2	73.0	
32	2.4				32
34	2.4	2.4	2.4		34
36	2.3	2.3	2.4		36
38	2.3	2.3	2.3	2.3	38
40	2.2	2.3	2.3	2.3	40
42	2.2	2.2	2.3	2.3	42
44	2.2	2.2	2.2	2.3	44
46	2.1	2.2	2.2	2.3	46
48	2.1	2.2	2.2	2.2	48
50	2.1	2.1	2.2	2.2	50
52	2.1	2.1	2.2	2.2	52
54	2.1	2.1	2.1	2.2	54
56	2.1	2.1	2.1	2.1	56
58	2.1	2.1	2.1	1.9	58
60	2.1	2.1	2.1	1.8	60
62	2.1	2.1	2.0	1.6	62
64	2.1	2.1	1.8		64
66	2.1	2.0	1.7		66
68	2.1	1.9	1.6		68
70		1.7	1.4		70
72			1.3		72

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T 59.1-68.2 m



	59.1	63.7	68.2	
36	2.0			36
38	2.0	2.0		38
40	2.0	2.0	2.0	40
42	1.9	2.0	2.0	42
44	1.9	1.9	1.9	44
46	1.9	1.9	1.9	46
48	1.8	1.9	1.9	48
50	1.8	1.8	1.9	50
52	1.8	1.8	1.9	52
54	1.8	1.8	1.8	54
56	1.8	1.8	1.8	56
58	1.7	1.8	1.8	58
60	1.7	1.8	1.8	60
62	1.7	1.8	1.8	62
64	1.7	1.8	1.8	64
66	1.7	1.8	1.6	66
68	1.7	1.7	1.5	68
70	1.7	1.6		70
72	1.7	1.5		72
74		1.4		74

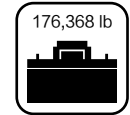
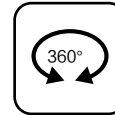
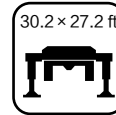
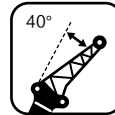
T 59.1-63.7 m

	59.1	63.7	
40	1.7		40
42	1.6	1.7	42
44	1.6	1.6	44
46	1.6	1.6	46
48	1.5	1.6	48
50	1.5	1.5	50
52	1.5	1.5	52
54	1.5	1.5	54
56	1.4	1.5	56
58	1.4	1.5	58
60	1.4	1.4	60
62	1.4	1.4	62
64	1.4	1.4	64
66	1.4	1.4	66
68	1.4	1.4	68
70	1.4	1.4	70
72	1.4	1.4	72
74	1.4		74
76	1.4		76

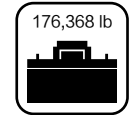
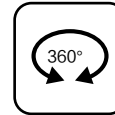
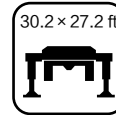
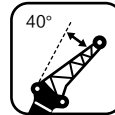
LOAD CHARTS

T 193.9-239.5 ft

ASME B30.5 85% Units: 1,000 lb



	193.9	209.0	223.8	239.5	
65.6	20.3				65.6
72.2	20.1	19.8			72.2
78.7	20.1	19.6	18.1		78.7
85.3	19.8	19.4	17.4	15.9	85.3
91.9	19.6	19.2	16.8	15.4	91.9
98.4	19.4	18.5	16.1	15.0	98.4
105.0	19.2	17.6	15.4	14.1	105.0
111.5	18.5	16.3	14.8	13.0	111.5
118.1	17.4	15.2	13.9	12.1	118.1
124.7	16.5	14.3	13.2	11.7	124.7
131.2	16.1	13.4	12.6	10.8	131.2
137.8	15.4	12.3	11.9	10.1	137.8
144.4	14.8	11.7	11.2	9.9	144.4
150.9	13.9	11.0	10.8	9.5	150.9
157.5	13.2	10.4	10.4	9.0	157.5
164.0	12.8	9.7	9.5	8.4	164.0
170.6	12.1	9.0	8.6	7.9	170.6
177.2		8.4	8.2	7.5	177.2
183.7		7.9	7.9	7.1	183.7
190.3			7.3	6.6	190.3
196.8				6.4	196.8
203.4				6.0	203.4

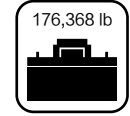
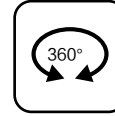
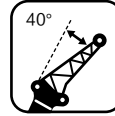
T 193.9-239.5 ft**ASME B30.5 85% Units: 1,000 lb**

	193.9	209.0	223.8	239.5	
78.7	14.8				78.7
85.3	14.6	14.3			85.3
91.9	14.3	14.1	13.4		91.9
98.4	14.1	13.9	13.4	12.8	98.4
105.0	13.9	13.7	13.2	12.3	105.0
111.5	13.7	13.4	12.8	12.1	111.5
118.1	13.4	13.2	12.6	11.5	118.1
124.7	13.4	13.2	11.9	10.6	124.7
131.2	13.2	12.3	11.0	9.7	131.2
137.8	13.2	11.7	10.4	9.3	137.8
144.4	12.8	11.0	9.9	8.8	144.4
150.9	11.9	10.4	9.5	8.6	150.9
157.5	11.2	9.7	9.0	8.2	157.5
164.0	10.6	9.5	8.6	7.5	164.0
170.6	9.9	8.8	7.9	6.8	170.6
177.2	9.3	8.4	7.5	6.6	177.2
183.7	8.6	8.2	7.1	6.4	183.7
190.3		7.7	6.8	6.2	190.3
196.8		6.4	6.2	6.0	196.8
203.4			6.0	5.7	203.4
210.0				5.5	210.0
216.5				5.1	216.5

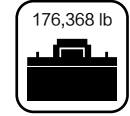
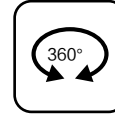
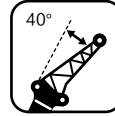
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T 193.9-239.5 ft

ASME B30.5 85% Units: 1,000 lb



	193.9	209.0	223.8	239.5	
85.3	7.1	7.1			85.3
91.9	7.1	7.1	7.1		91.9
98.4	6.8	6.8	6.8	6.8	98.4
105.0	6.6	6.8	6.8	6.8	105.0
111.5	6.6	6.6	6.8	6.8	111.5
118.1	6.4	6.6	6.6	6.6	118.1
124.7	6.4	6.6	6.6	6.6	124.7
131.2	6.4	6.4	6.4	6.6	131.2
137.8	6.2	6.4	6.4	6.6	137.8
144.4	6.2	6.4	6.4	6.4	144.4
150.9	6.2	6.2	6.4	6.4	150.9
157.5	6.2	6.2	6.4	6.4	157.5
164.0	6.2	6.2	6.4	6.4	164.0
170.6	6.0	6.2	6.2	6.4	170.6
177.2	6.0	6.2	6.2	6.4	177.2
183.7	6.0	6.2	6.2	6.2	183.7
190.3	6.0	6.0	6.2	5.7	190.3
196.8	6.0	6.0	6.0	5.3	196.8
203.4		6.0	6.0	4.9	203.4
210.0		5.7	5.5	4.4	210.0
216.5			5.3	4.0	216.5
223.1				3.5	223.1
229.7				3.3	229.7

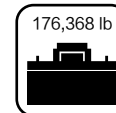
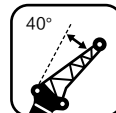
T 193.9-239.5 ft**ASME B30.5 85% Units: 1,000 lb**

	193.9	209.0	223.8	239.5	
91.9	6.2				91.9
98.4	6.0	6.0			98.4
105.0	5.7	6.0	6.0		105.0
111.5	5.7	5.7	5.7	6.0	111.5
118.1	5.5	5.7	5.7	5.7	118.1
124.7	5.5	5.5	5.7	5.7	124.7
131.2	5.5	5.5	5.5	5.7	131.2
137.8	5.3	5.5	5.5	5.5	137.8
144.4	5.3	5.5	5.5	5.5	144.4
150.9	5.3	5.3	5.5	5.5	150.9
157.5	5.3	5.3	5.3	5.5	157.5
164.0	5.3	5.3	5.3	5.5	164.0
170.6	5.3	5.3	5.3	5.5	170.6
177.2	5.1	5.3	5.3	5.3	177.2
183.7	5.1	5.3	5.3	5.1	183.7
190.3	5.1	5.3	5.3	4.6	190.3
196.8	5.1	5.3	5.3	4.2	196.8
203.4	5.1	5.3	4.9	4.0	203.4
210.0	5.1	5.1	4.6	3.5	210.0
216.5		4.9	4.2	3.3	216.5
223.1			3.7		223.1
229.7			3.5		229.7

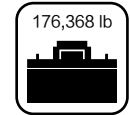
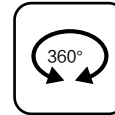
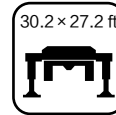
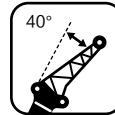
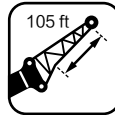
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T 193.9-239.5 ft

ASME B30.5 85% Units: 1,000 lb



	193.9	209.0	223.8	239.5	
105.0	5.3				105.0
111.5	5.3	5.3	5.3		111.5
118.1	5.1	5.1	5.3		118.1
124.7	5.1	5.1	5.1	5.1	124.7
131.2	4.9	5.1	5.1	5.1	131.2
137.8	4.9	4.9	5.1	5.1	137.8
144.4	4.9	4.9	4.9	5.1	144.4
150.9	4.6	4.9	4.9	5.1	150.9
157.5	4.6	4.9	4.9	4.9	157.5
164.0	4.6	4.6	4.9	4.9	164.0
170.6	4.6	4.6	4.9	4.9	170.6
177.2	4.6	4.6	4.6	4.9	177.2
183.7	4.6	4.6	4.6	4.6	183.7
190.3	4.6	4.6	4.6	4.2	190.3
196.8	4.6	4.6	4.6	4.0	196.8
203.4	4.6	4.6	4.4	3.5	203.4
210.0	4.6	4.6	4.0		210.0
216.5	4.6	4.4	3.7		216.5
223.1	4.6	4.2	3.5		223.1
229.7		3.7	3.1		229.7
236.2			2.9		236.2

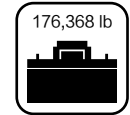
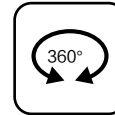
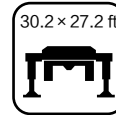
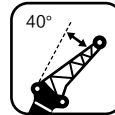
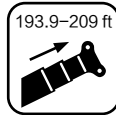
T 193.9-223.8 ft**ASME B30.5 85% Units: 1,000 lb**

	193.9	209.0	223.8	
118.1	4.4			118.1
124.7	4.4	4.4		124.7
131.2	4.4	4.4	4.4	131.2
137.8	4.2	4.4	4.4	137.8
144.4	4.2	4.2	4.2	144.4
150.9	4.2	4.2	4.2	150.9
157.5	4.0	4.2	4.2	157.5
164.0	4.0	4.0	4.2	164.0
170.6	4.0	4.0	4.2	170.6
177.2	4.0	4.0	4.0	177.2
183.7	4.0	4.0	4.0	183.7
190.3	3.7	4.0	4.0	190.3
196.8	3.7	4.0	4.0	196.8
203.4	3.7	4.0	4.0	203.4
210.0	3.7	4.0	4.0	210.0
216.5	3.7	4.0	3.5	216.5
223.1	3.7	3.7	3.3	223.1
229.7	3.7	3.5		229.7
236.2	3.7	3.3		236.2
242.8		3.1		242.8

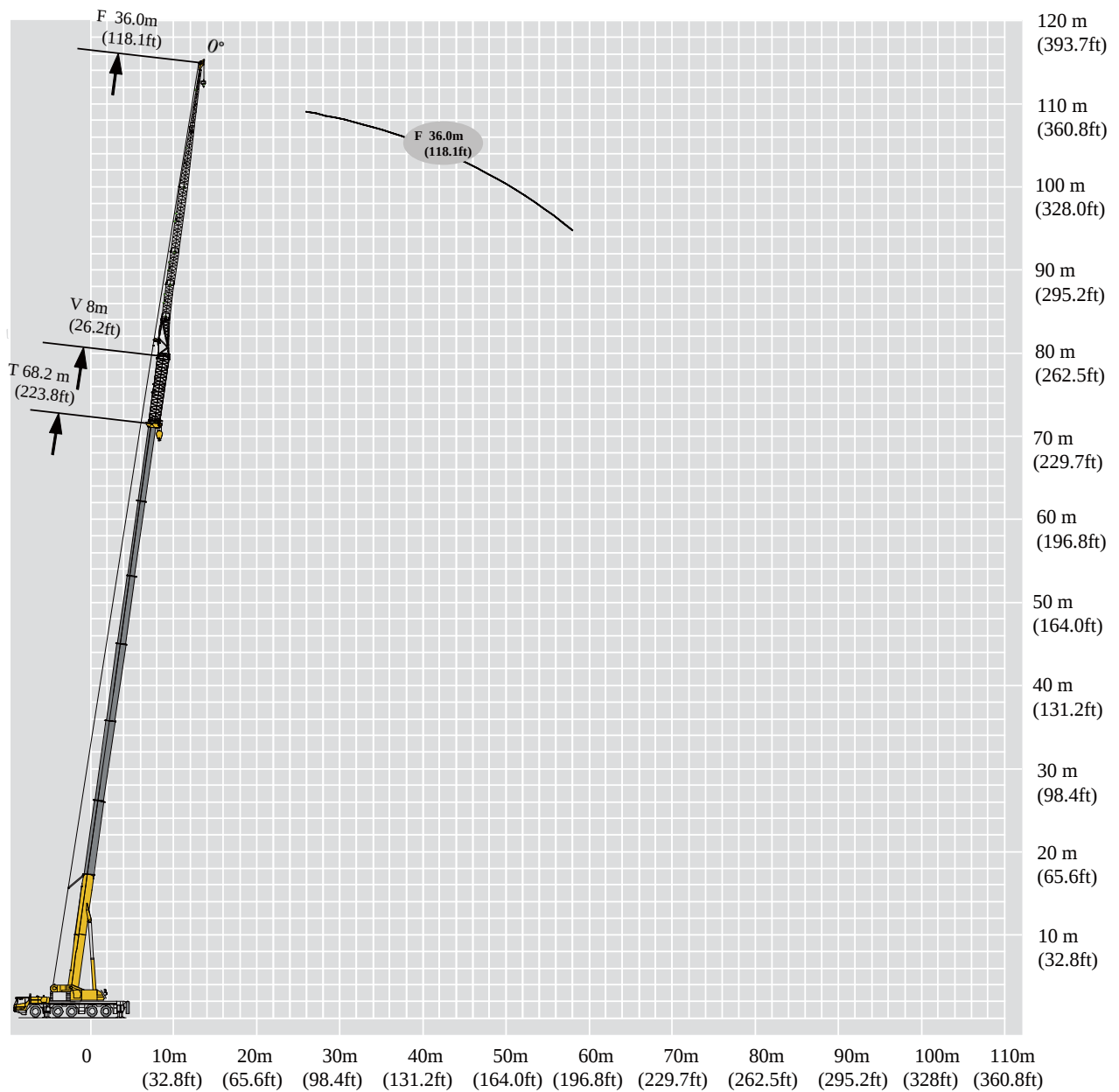
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T 193.9-209 ft

ASME B30.5 85% Units: 1,000 lb

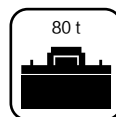
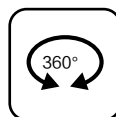
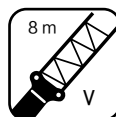
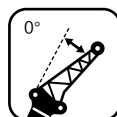


	193.9	209.0	
131.2	3.7		131.2
137.8	3.5	3.7	137.8
144.4	3.5	3.5	144.4
150.9	3.5	3.5	150.9
157.5	3.3	3.5	157.5
164.0	3.3	3.3	164.0
170.6	3.3	3.3	170.6
177.2	3.3	3.3	177.2
183.7	3.1	3.3	183.7
190.3	3.1	3.3	190.3
196.8	3.1	3.1	196.8
203.4	3.1	3.1	203.4
210.0	3.1	3.1	210.0
216.5	3.1	3.1	216.5
223.1	3.1	3.1	223.1
229.7	3.1	3.1	229.7
236.2	3.1	3.1	236.2
242.8	3.1		242.8
249.3	3.1		249.3

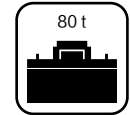
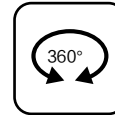
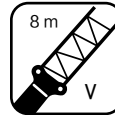
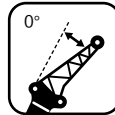
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T 59.1-68.2 m



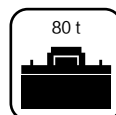
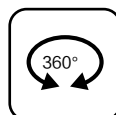
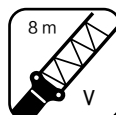
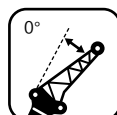
	59.1+8	63.7+8	68.2+8	
16	5.1			16
18	5.0	4.6		18
20	5.0	4.5	4.0	20
22	5.0	4.5	4.0	22
24	4.9	4.4	3.9	24
26	4.8	4.4	3.9	26
28	4.7	4.3	3.8	28
30	4.6	4.2	3.8	30
32	4.5	4.1	3.7	32
34	4.4	4.0	3.6	34
36	4.3	4.0	3.6	36
38	4.2	3.9	3.5	38
40	4.1	3.8	3.4	40
42	4.0	3.8	3.3	42
44	3.9	3.7	3.2	44
46	3.8	3.6	3.1	46
48	3.7	3.5	3.0	48
50	3.6	3.5	2.9	50
52	3.5	3.3	2.8	52
54	3.4	3.1	2.7	54
56	3.3	2.9	2.5	56
58	3.2	2.7	2.4	58
60	3.1	2.5	2.2	60
62	2.9	2.3	2.1	62
64	2.7	2.2	2.0	64
66	2.6	2.0	1.8	66
68	2.4	1.9	1.7	68
70	2.2	1.7	1.6	70
72	2.0	1.6	1.5	72
74	1.9	1.4	1.4	74
76	1.6	1.4	1.3	76
78	1.4	1.3	1.2	78
80	1.3	1.1		80
82	1.3			82
84	1.2			84

T 59.1-68.2 m


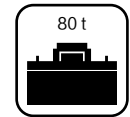
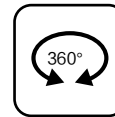
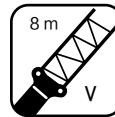
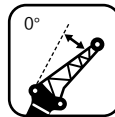
	59.1+8	63.7+8	68.2+8	
18	4.3			18
20	4.2	3.8		20
22	4.1	3.7	3.3	22
24	4.0	3.7	3.3	24
26	4.0	3.6	3.2	26
28	3.9	3.6	3.2	28
30	3.8	3.5	3.2	30
32	3.7	3.5	3.1	32
34	3.7	3.4	3.1	34
36	3.6	3.4	3.0	36
38	3.6	3.3	3.0	38
40	3.5	3.3	3.0	40
42	3.4	3.2	2.9	42
44	3.4	3.2	2.8	44
46	3.3	3.1	2.7	46
48	3.2	3.0	2.6	48
50	3.2	3.0	2.6	50
52	3.1	2.9	2.5	52
54	3.0	2.8	2.4	54
56	2.9	2.7	2.3	56
58	2.8	2.5	2.2	58
60	2.7	2.3	2.0	60
62	2.6	2.2	1.9	62
64	2.5	2.1	1.8	64
66	2.4	1.9	1.6	66
68	2.4	1.8	1.5	68
70	2.1	1.7	1.4	70
72	1.9	1.6	1.1	72
74	1.6	1.5	1.1	74
76	1.4	1.4		76
78	1.3	1.3		78
80	1.2	1.2		80
82	1.1	1.1		82
84	1.1	1.0		84

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T 59.1-68.2 m



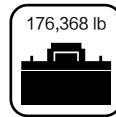
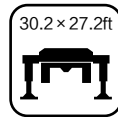
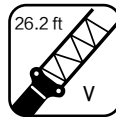
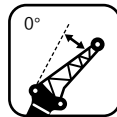
	59.1+8	63.7+8	68.2+8	
20	3.8			20
22	3.7	3.4		22
24	3.7	3.3	3.0	24
26	3.6	3.3	2.9	26
28	3.5	3.2	2.9	28
30	3.5	3.2	2.8	30
32	3.4	3.1	2.8	32
34	3.3	3.1	2.8	34
36	3.3	3.0	2.7	36
38	3.2	3.0	2.7	38
40	3.1	2.9	2.6	40
42	3.1	2.9	2.6	42
44	3.0	2.8	2.6	44
46	3.0	2.8	2.6	46
48	2.9	2.7	2.5	48
50	2.8	2.7	2.3	50
52	2.8	2.6	2.3	52
54	2.7	2.5	2.3	54
56	2.7	2.4	2.2	56
58	2.5	2.3	2.1	58
60	2.3	2.2	2.0	60
62	2.2	2.1	1.8	62
64	2.2	1.9	1.6	64
66	2.1	1.8	1.4	66
68	2.1	1.5	1.2	68
70	1.9	1.2	1.1	70
72	1.8	1.0		72
74	1.7			74
76	1.4			76
78	1.2			78

T 59.1-68.2 m


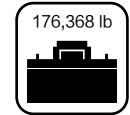
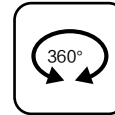
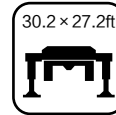
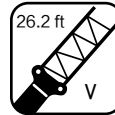
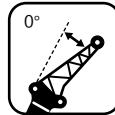
	59.1+8	63.7+8	68.2+8	
22	3.1			22
24	3.1	2.8		24
26	3.0	2.7	2.3	26
28	2.9	2.7	2.3	28
30	2.9	2.6	2.3	30
32	2.8	2.6	2.3	32
34	2.8	2.5	2.2	34
36	2.7	2.5	2.2	36
38	2.6	2.5	2.2	38
40	2.6	2.4	2.1	40
42	2.5	2.4	2.1	42
44	2.5	2.3	2.1	44
46	2.4	2.3	2.0	46
48	2.4	2.2	2.0	48
50	2.3	2.2	2.0	50
52	2.3	2.2	1.9	52
54	2.3	2.1	1.8	54
56	2.2	2.1	1.6	56
58	2.2	2.1	1.5	58
60	2.1	2.0		60
62	2.0	1.6		62
64	1.8	1.4		64
66	1.8	1.2		66
68	1.8			68
70	1.7			70
72	1.4			72
74	1.3			74

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T 193.9-223.8 ft
ASME B30.5 85%
Units: 1,000 lb



	193.9 +26.2	209.0 +26.2	223.8 +26.2	
52.5	11.2			52.5
59.1	11.0	10.1		59.1
65.6	11.0	9.9	8.8	65.6
72.2	11.0	9.9	8.8	72.2
78.7	10.8	9.7	8.6	78.7
85.3	10.6	9.7	8.6	85.3
91.9	10.4	9.5	8.4	91.9
98.4	10.1	9.3	8.4	98.4
105.0	9.9	9.0	8.2	105.0
111.5	9.7	8.8	7.9	111.5
118.1	9.5	8.8	7.9	118.1
124.7	9.3	8.6	7.7	124.7
131.2	9.0	8.4	7.5	131.2
137.8	8.8	8.4	7.3	137.8
144.4	8.6	8.2	7.1	144.4
150.9	8.4	7.9	6.8	150.9
157.5	8.2	7.7	6.6	157.5
164.0	7.9	7.7	6.4	164.0
170.6	7.7	7.3	6.2	170.6
177.2	7.5	6.8	6.0	177.2
183.7	7.3	6.4	5.5	183.7
190.3	7.1	6.0	5.3	190.3
196.8	6.8	5.5	4.9	196.8
203.4	6.4	5.1	4.6	203.4
210.0	6.0	4.9	4.4	210.0
216.5	5.7	4.4	4.0	216.5
223.1	5.3	4.2	3.7	223.1
229.7	4.9	3.7	3.5	229.7
236.2	4.4	3.5	3.3	236.2
242.8	4.2	3.1	3.1	242.8
249.3	3.5	3.1	2.9	249.3
255.9	3.1	2.9	2.6	255.9
262.5	2.9	2.4		262.5
269.0	2.9			269.0
275.6	2.6			275.6

T 193.9-223.8 ft**ASME B30.5 85%****Units: 1,000 lb**

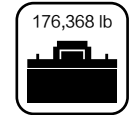
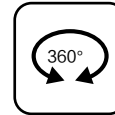
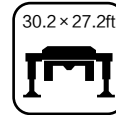
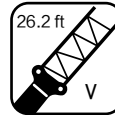
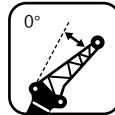
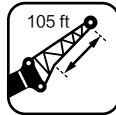
	193.9 +26.2	209.0 +26.2	223.8 +26.2	
59.1	9.5			59.1
65.6	9.3	8.4		65.6
72.2	9.0	8.2	7.3	72.2
78.7	8.8	8.2	7.3	78.7
85.3	8.8	7.9	7.1	85.3
91.9	8.6	7.9	7.1	91.9
98.4	8.4	7.7	7.1	98.4
105.0	8.2	7.7	6.8	105.0
111.5	8.2	7.5	6.8	111.5
118.1	7.9	7.5	6.6	118.1
124.7	7.9	7.3	6.6	124.7
131.2	7.7	7.3	6.6	131.2
137.8	7.5	7.1	6.4	137.8
144.4	7.5	7.1	6.2	144.4
150.9	7.3	6.8	6.0	150.9
157.5	7.1	6.6	5.7	157.5
164.0	7.1	6.6	5.7	164.0
170.6	6.8	6.4	5.5	170.6
177.2	6.6	6.2	5.3	177.2
183.7	6.4	6.0	5.1	183.7
190.3	6.2	5.5	4.9	190.3
196.8	6.0	5.1	4.4	196.8
203.4	5.7	4.9	4.2	203.4
210.0	5.5	4.6	4.0	210.0
216.5	5.3	4.2	3.5	216.5
223.1	5.3	4.0	3.3	223.1
229.7	4.6	3.7	3.1	229.7
236.2	4.2	3.5	2.4	236.2
242.8	3.5	3.3	2.4	242.8
249.3	3.1	3.1		249.3
255.9	2.9	2.9		255.9
262.5	2.6	2.6		262.5
269.0	2.4	2.4		269.0
275.6	2.4	2.2		275.6

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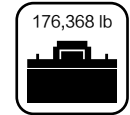
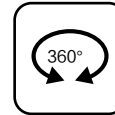
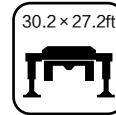
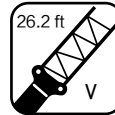
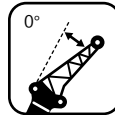
T 193.9-223.8 ft

ASME B30.5 85%

Units: 1,000 lb

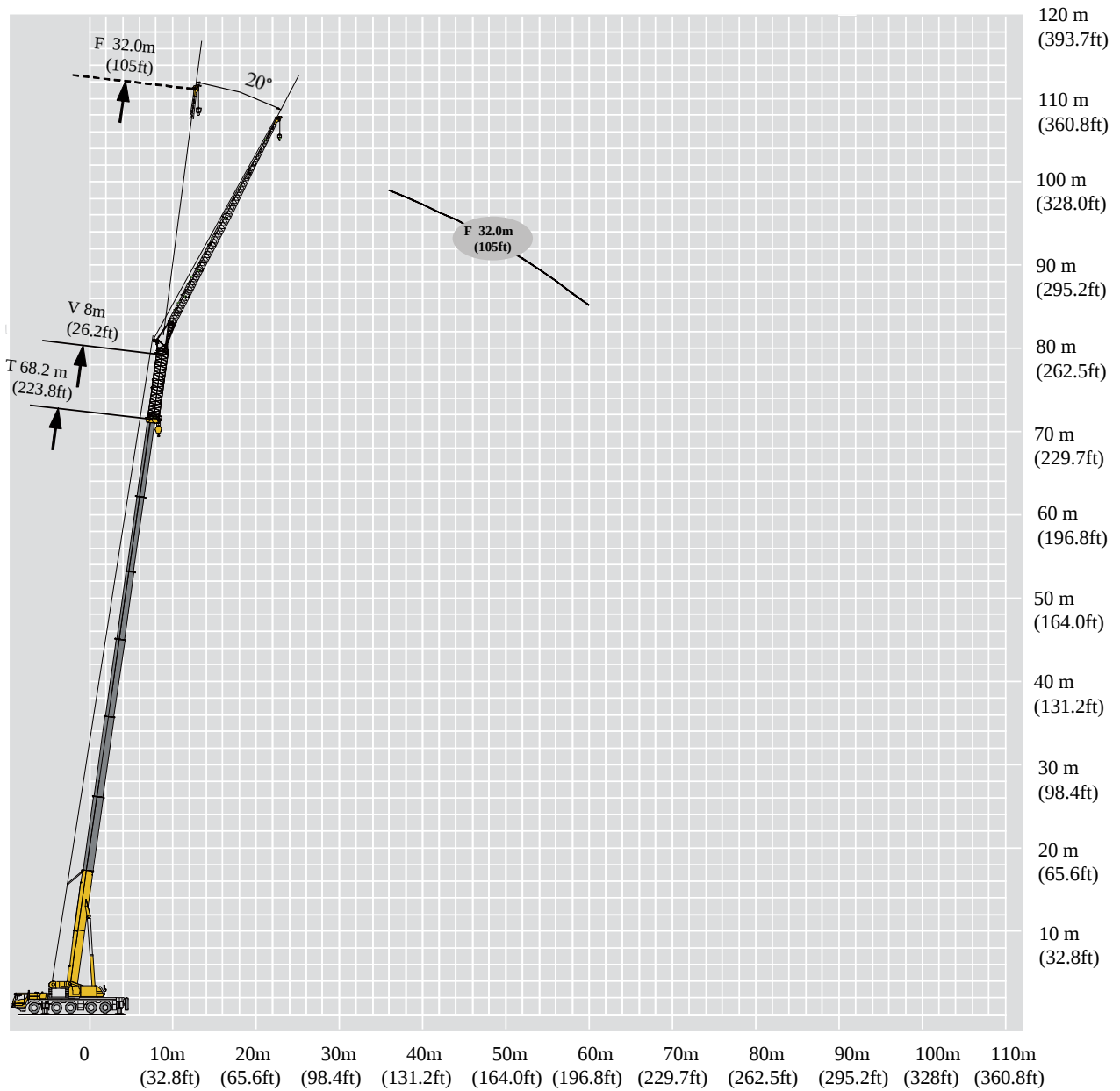


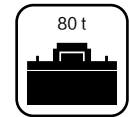
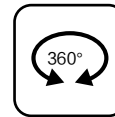
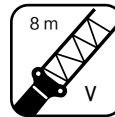
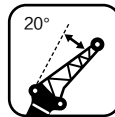
	193.9 +26.2	209.0 +26.2	223.8 +26.2	
65.6	8.4			65.6
72.2	8.2	7.5		72.2
78.7	8.2	7.3	6.6	78.7
85.3	7.9	7.3	6.4	85.3
91.9	7.7	7.1	6.4	91.9
98.4	7.7	7.1	6.2	98.4
105.0	7.5	6.8	6.2	105.0
111.5	7.3	6.8	6.2	111.5
118.1	7.3	6.6	6.0	118.1
124.7	7.1	6.6	6.0	124.7
131.2	6.8	6.4	5.7	131.2
137.8	6.8	6.4	5.7	137.8
144.4	6.6	6.2	5.7	144.4
150.9	6.6	6.2	5.7	150.9
157.5	6.4	6.0	5.5	157.5
164.0	6.2	6.0	5.1	164.0
170.6	6.2	5.7	5.1	170.6
177.2	6.0	5.5	5.1	177.2
183.7	6.0	5.3	4.9	183.7
190.3	5.5	5.1	4.6	190.3
196.8	5.1	4.9	4.4	196.8
203.4	4.9	4.6	4.0	203.4
210.0	4.9	4.2	3.5	210.0
216.5	4.6	4.0	3.1	216.5
223.1	4.6	3.3	2.6	223.1
229.7	4.2	2.6	2.4	229.7
236.2	4.0	2.2		236.2
242.8	3.7			242.8
249.3	3.1			249.3
255.9	2.6			255.9

T 193.9-223.8 ft**ASME B30.5 85%****Units: 1,000 lb**

	193.9 + 26.2	209.0 + 26.2	223.8 + 26.2	
72.2	6.8			72.2
78.7	6.8	6.2		78.7
85.3	6.6	6.0	5.1	85.3
91.9	6.4	6.0	5.1	91.9
98.4	6.4	5.7	5.1	98.4
105.0	6.2	5.7	5.1	105.0
111.5	6.2	5.5	4.9	111.5
118.1	6.0	5.5	4.9	118.1
124.7	5.7	5.5	4.9	124.7
131.2	5.7	5.3	4.6	131.2
137.8	5.5	5.3	4.6	137.8
144.4	5.5	5.1	4.6	144.4
150.9	5.3	5.1	4.4	150.9
157.5	5.3	4.9	4.4	157.5
164.0	5.1	4.9	4.4	164.0
170.6	5.1	4.9	4.2	170.6
177.2	5.1	4.6	4.0	177.2
183.7	4.9	4.6	3.5	183.7
190.3	4.9	4.6	3.3	190.3
196.8	4.6	4.4		196.8
203.4	4.4	3.5		203.4
210.0	4.0	3.1		210.0
216.5	4.0	2.6		216.5
223.1	4.0			223.1
229.7	3.7			229.7
236.2	3.1			236.2
242.8	2.9			242.8

HEAVY-DUTY FIXED JIB

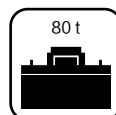
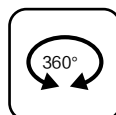
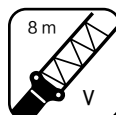
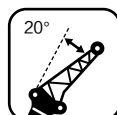


T 59.1-68.2 m


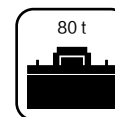
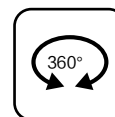
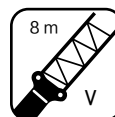
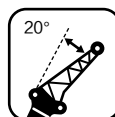
	59.1+8	63.7+8	68.2+8	
26	4.1			26
28	4.0	3.7		28
30	3.9	3.6	3.5	30
32	3.7	3.6	3.4	32
34	3.6	3.5	3.3	34
36	3.5	3.5	3.3	36
38	3.4	3.4	3.3	38
40	3.3	3.4	3.2	40
42	3.3	3.3	3.2	42
44	3.2	3.3	3.1	44
46	3.1	3.2	3.1	46
48	3.1	3.2	3.0	48
50	3.0	3.1	3.0	50
52	2.9	3.0	2.9	52
54	2.9	2.8	2.7	54
56	2.8	2.7	2.6	56
58	2.8	2.7	2.5	58
60	2.7	2.6	2.3	60
62	2.6	2.5	2.2	62
64	2.5	2.4	2.1	64
66	2.4	2.3	2.0	66
68	2.4	2.2	1.9	68
70	2.4	2.0	1.8	70
72	2.3	2.0	1.7	72
74	2.2	1.9	1.6	74
76	1.9	1.8	1.5	76
78	1.7	1.5	1.4	78
80	1.5	1.2	1.4	80

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T 59.1-68.2 m



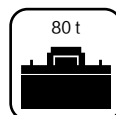
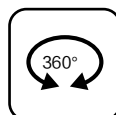
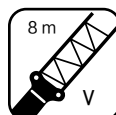
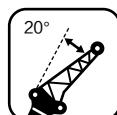
	59.1+8	63.7+8	68.2+8	
28	3.3			28
30	3.3	3.1		30
32	3.3	3.0	2.7	32
34	3.2	3.0	2.7	34
36	3.1	2.9	2.7	36
38	3.1	2.9	2.6	38
40	3.0	2.8	2.6	40
42	3.0	2.8	2.6	42
44	2.9	2.7	2.5	44
46	2.9	2.7	2.5	46
48	2.8	2.7	2.5	48
50	2.7	2.6	2.4	50
52	2.7	2.6	2.4	52
54	2.6	2.6	2.2	54
56	2.6	2.4	2.0	56
58	2.5	2.3	1.9	58
60	2.5	2.2	1.7	60
62	2.4	2.0		62
64	2.2	1.8		64
66	2.1	1.7		66
68	1.9			68
70	1.7			70
72	1.6			72
74	1.4			74

T 59.1-68.2 m

	59.1+8	63.7+8	68.2+8	
32	2.8			32
34	2.7	2.5		34
36	2.7	2.5	2.3	36
38	2.6	2.5	2.2	38
40	2.6	2.4	2.2	40
42	2.5	2.4	2.2	42
44	2.5	2.3	2.2	44
46	2.5	2.3	2.1	46
48	2.4	2.3	2.1	48
50	2.4	2.2	2.1	50
52	2.3	2.2	2.0	52
54	2.3	2.2	2.0	54
56	2.2	2.1	2.0	56
58	2.2	2.1	1.9	58
60	2.1	2.0	1.8	60
62	2.1	1.8		62
64	2.1			64
66	2.0			66
68	1.8			68
70	1.7			70
72	1.5			72

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T 59.1-63.7 m

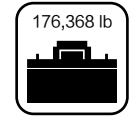
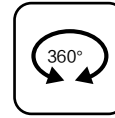
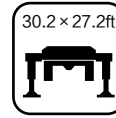
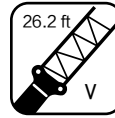
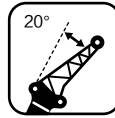


59.1+8

63.7+8



34	2.2		34
36	2.2		36
38	2.2	2.1	38
40	2.1	2.1	40
42	2.1	2.1	42
44	2.0	2.1	44
46	2.0	2.0	46
48	2.0	2.0	48
50	2.0	1.9	50
52	1.9	1.9	52
54	1.9	1.8	54
56	1.9	1.8	56
58	1.8	1.8	58
60	1.8	1.7	60
62	1.8		62
64	1.7		64
66	1.7		66
68	1.7		68

T 193.9-223.8 ft**ASME B30.5 85%****Units: 1,000 lb**

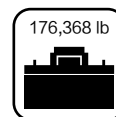
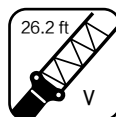
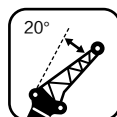
	193.9 +26.2	209.0 +26.2	223.8 +26.2	
85.3	9.0			85.3
91.9	8.8	8.2		91.9
98.4	8.6	7.9	7.7	98.4
105.0	8.2	7.9	7.5	105.0
111.5	7.9	7.7	7.3	111.5
118.1	7.7	7.7	7.3	118.1
124.7	7.5	7.5	7.3	124.7
131.2	7.3	7.5	7.1	131.2
137.8	7.3	7.3	7.1	137.8
144.4	7.1	7.3	6.8	144.4
150.9	6.8	7.1	6.8	150.9
157.5	6.8	7.1	6.6	157.5
164.0	6.6	6.8	6.6	164.0
170.6	6.4	6.6	6.4	170.6
177.2	6.4	6.2	6.0	177.2
183.7	6.2	6.0	5.7	183.7
190.3	6.2	6.0	5.5	190.3
196.8	6.0	5.7	5.1	196.8
203.4	5.7	5.5	4.9	203.4
210.0	5.5	5.3	4.6	210.0
216.5	5.3	5.1	4.4	216.5
223.1	5.3	4.9	4.2	223.1
229.7	5.3	4.4	4.0	229.7
236.2	5.1	4.4	3.7	236.2
242.8	4.9	4.2	3.5	242.8
249.3	4.2	4.0	3.3	249.3
255.9	3.7	3.3	3.1	255.9
262.5	3.3	2.6	3.1	262.5

LOAD CHARTS

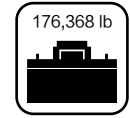
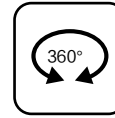
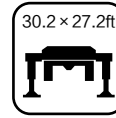
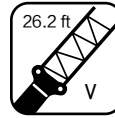
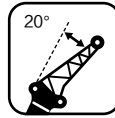
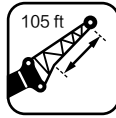
T 193.9-223.8 ft

ASME B30.5 85%

Units: 1,000 lb



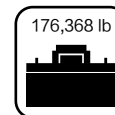
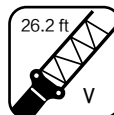
	193.9 +26.2	209.0 +26.2	223.8 +26.2	
91.9	7.3			91.9
98.4	7.3	6.8		98.4
105.0	7.3	6.6	6.0	105.0
111.5	7.1	6.6	6.0	111.5
118.1	6.8	6.4	6.0	118.1
124.7	6.8	6.4	5.7	124.7
131.2	6.6	6.2	5.7	131.2
137.8	6.6	6.2	5.7	137.8
144.4	6.4	6.0	5.5	144.4
150.9	6.4	6.0	5.5	150.9
157.5	6.2	6.0	5.5	157.5
164.0	6.0	5.7	5.3	164.0
170.6	6.0	5.7	5.3	170.6
177.2	5.7	5.7	4.9	177.2
183.7	5.7	5.3	4.4	183.7
190.3	5.5	5.1	4.2	190.3
196.8	5.5	4.9	3.7	196.8
203.4	5.3	4.4		203.4
210.0	4.9	4.0		210.0
216.5	4.6	3.7		216.5
223.1	4.2			223.1
229.7	3.7			229.7
236.2	3.5			236.2
242.8	3.1			242.8

T 193.9-223.8 ft**ASME B30.5 85%****Units: 1,000 lb**

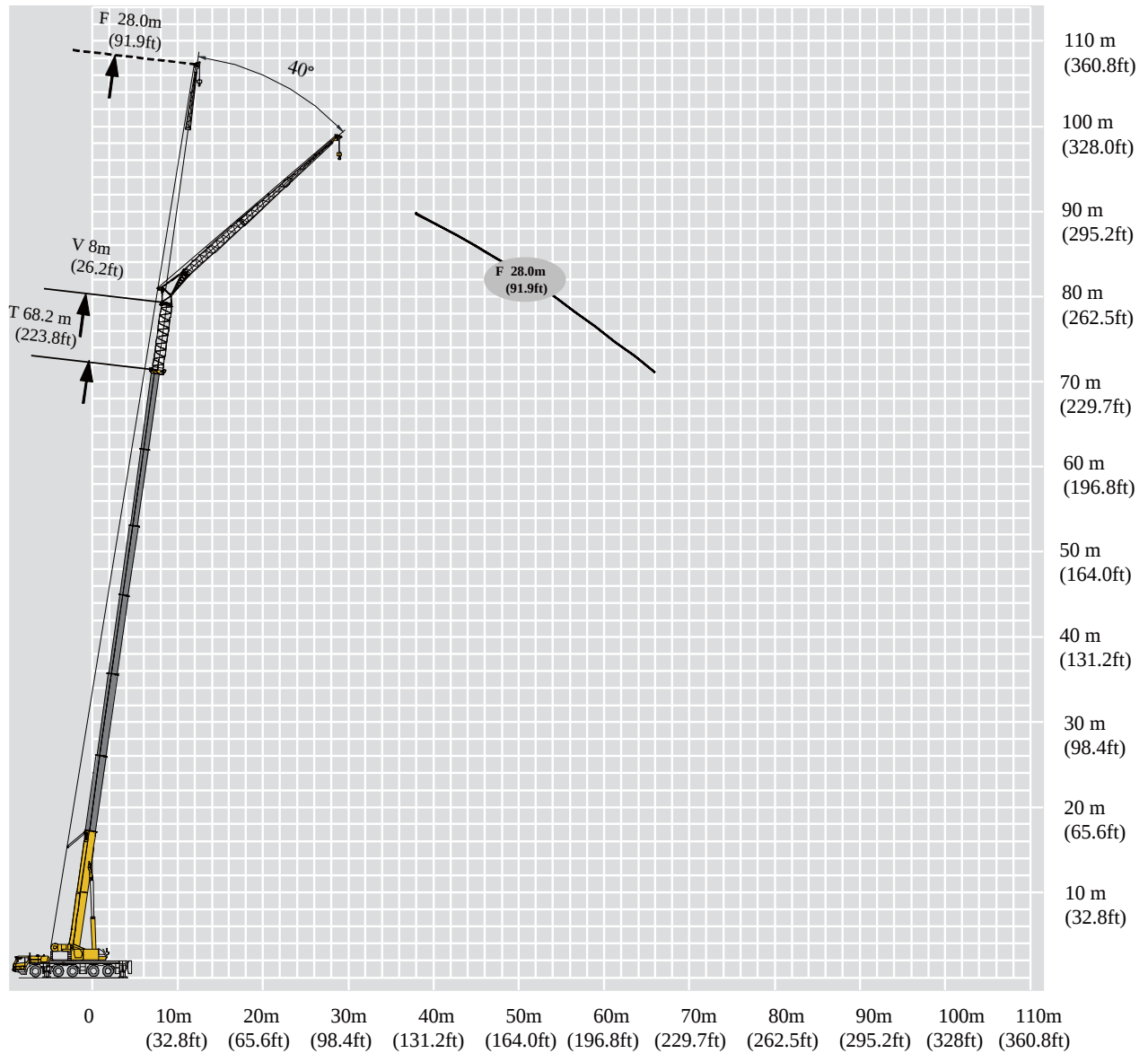
	193.9 +26.2	209.0 +26.2	223.8 +26.2	
105.0	6.2			105.0
111.5	6.0	5.5		111.5
118.1	6.0	5.5	5.1	118.1
124.7	5.7	5.5	4.9	124.7
131.2	5.7	5.3	4.9	131.2
137.8	5.5	5.3	4.9	137.8
144.4	5.5	5.1	4.9	144.4
150.9	5.5	5.1	4.6	150.9
157.5	5.3	5.1	4.6	157.5
164.0	5.3	4.9	4.6	164.0
170.6	5.1	4.9	4.4	170.6
177.2	5.1	4.9	4.4	177.2
183.7	4.9	4.6	4.4	183.7
190.3	4.9	4.6	4.2	190.3
196.8	4.6	4.4	4.0	196.8
203.4	4.6	4.0		203.4
210.0	4.6			210.0
216.5	4.4			216.5
223.1	4.0			223.1
229.7	3.7			229.7
236.2	3.3			236.2

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T 193.9-209 ft
ASME B30.5 85%
Units: 1,000 lb

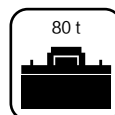
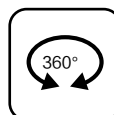
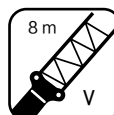
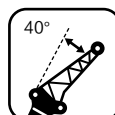


	193.9 +26.2	209.0 +26.2	
111.5	4.9		111.5
118.1	4.9		118.1
124.7	4.9	4.6	124.7
131.2	4.6	4.6	131.2
137.8	4.6	4.6	137.8
144.4	4.4	4.6	144.4
150.9	4.4	4.4	150.9
157.5	4.4	4.4	157.5
164.0	4.4	4.2	164.0
170.6	4.2	4.2	170.6
177.2	4.2	4.0	177.2
183.7	4.2	4.0	183.7
190.3	4.0	4.0	190.3
196.8	4.0	3.7	196.8
203.4	4.0		203.4
210.0	3.7		210.0
216.5	3.7		216.5
223.1	3.7		223.1

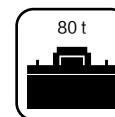
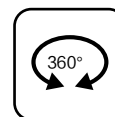
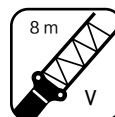
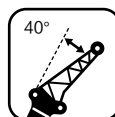
Heavy-duty fixed jib

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T 59.1-68.2 m



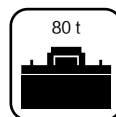
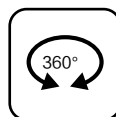
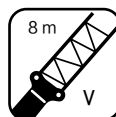
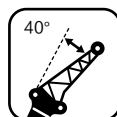
	59.1+8	63.7+8	68.2+8	
32	2.7			32
34	2.7	2.7	2.7	34
36	2.6	2.7	2.7	36
38	2.6	2.6	2.6	38
40	2.6	2.6	2.6	40
42	2.5	2.6	2.6	42
44	2.5	2.6	2.6	44
46	2.5	2.5	2.6	46
48	2.5	2.5	2.6	48
50	2.5	2.5	2.6	50
52	2.5	2.5	2.6	52
54	2.5	2.5	2.5	54
56	2.5	2.5	2.3	56
58	2.4	2.4	2.2	58
60	2.4	2.3	2.1	60
62	2.4	2.2	2.0	62
64	2.4	2.1	1.9	64
66	2.3	2.0		66
68	2.1	1.9		68
70	2.0	1.8		70
72		1.7		72

T 59.1-68.2 m


	59.1+8	63.7+8	68.2+8	
34	2.4			34
36	2.4	2.4		36
38	2.3	2.4	2.2	38
40	2.3	2.3	2.2	40
42	2.3	2.3	2.2	42
44	2.3	2.3	2.2	44
46	2.2	2.3	2.2	46
48	2.2	2.2	2.1	48
50	2.2	2.2	2.1	50
52	2.2	2.2	2.1	52
54	2.2	2.2	2.1	54
56	2.1	2.2	2.1	56
58	2.1	2.2	2.0	58
60	2.1	2.2	1.8	60
62	2.1	2.0	1.7	62
64	2.1	1.9	1.5	64
66	2.1	1.8	1.4	66
68	2.0	1.6		68
70	1.8	1.5		70
72	1.7	1.4		72
74	1.5	1.3		74

LOAD CHARTS

T 59.1-63.7 m

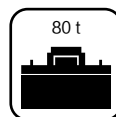
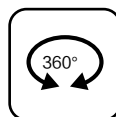
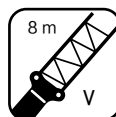
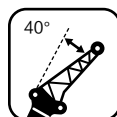


59.1+8

63.7+8



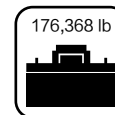
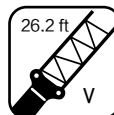
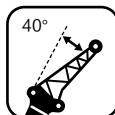
	59.1+8	63.7+8	
40	2.0	2.0	40
42	2.0	2.0	42
44	2.0	1.9	44
46	1.9	1.9	46
48	1.9	1.9	48
50	1.9	1.9	50
52	1.9	1.9	52
54	1.9	1.9	54
56	1.8	1.8	56
58	1.8	1.8	58
60	1.8	1.8	60
62	1.7	1.7	62
64	1.7	1.7	64
66	1.7	1.7	66
68	1.6		68
70	1.6		70
72	1.6		72
74	1.6		74
76	1.5		76

T 59.1 m

59.1+8


42	1.7	42
44	1.6	44
46	1.6	46
48	1.6	48
50	1.5	50
52	1.5	52
54	1.5	54
56	1.5	56
58	1.5	58
60	1.5	60
62	1.4	62
64	1.4	64
66	1.4	66
68	1.4	68
70	1.4	70
72	1.4	72

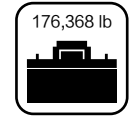
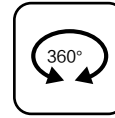
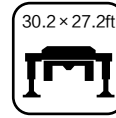
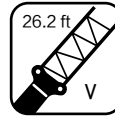
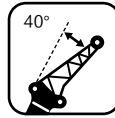
LOAD CHARTS

T 193.9-223.8ft
ASME B30.5 85%
Units: 1,000 lb



	193.9 +26.2	209.0 +26.2	223.8 +26.2	
105.0	6.0			105.0
111.5	6.0	6.0	6.0	111.5
118.1	5.7	6.0	6.0	118.1
124.7	5.7	5.7	5.7	124.7
131.2	5.7	5.7	5.7	131.2
137.8	5.5	5.7	5.7	137.8
144.4	5.5	5.7	5.7	144.4
150.9	5.5	5.5	5.7	150.9
157.5	5.5	5.5	5.7	157.5
164.0	5.5	5.5	5.7	164.0
170.6	5.5	5.5	5.7	170.6
177.2	5.5	5.5	5.5	177.2
183.7	5.5	5.5	5.1	183.7
190.3	5.3	5.3	4.9	190.3
196.8	5.3	5.1	4.6	196.8
203.4	5.3	4.9	4.4	203.4
210.0	5.3	4.6	4.2	210.0
216.5	5.1	4.4		216.5
223.1	4.6	4.2		223.1
229.7	4.4	4.0		229.7
236.2		3.7		236.2

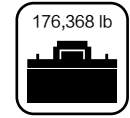
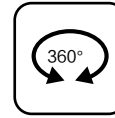
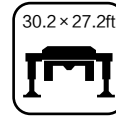
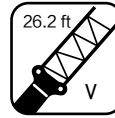
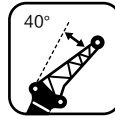
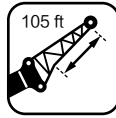
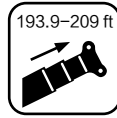
T 193.9-223.8ft
ASME B30.5 85%
Units: 1,000 lb



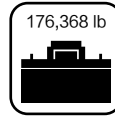
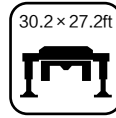
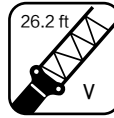
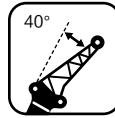
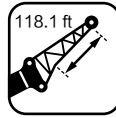
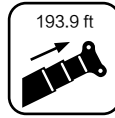
	193.9 +26.2	209.0 +26.2	223.8 +26.2	
111.5	5.3			111.5
118.1	5.3	5.3		118.1
124.7	5.1	5.3	4.9	124.7
131.2	5.1	5.1	4.9	131.2
137.8	5.1	5.1	4.9	137.8
144.4	5.1	5.1	4.9	144.4
150.9	4.9	5.1	4.9	150.9
157.5	4.9	4.9	4.6	157.5
164.0	4.9	4.9	4.6	164.0
170.6	4.9	4.9	4.6	170.6
177.2	4.9	4.9	4.6	177.2
183.7	4.6	4.9	4.6	183.7
190.3	4.6	4.9	4.4	190.3
196.8	4.6	4.9	4.0	196.8
203.4	4.6	4.4	3.7	203.4
210.0	4.6	4.2	3.3	210.0
216.5	4.6	4.0	3.1	216.5
223.1	4.4	3.5		223.1
229.7	4.0	3.3		229.7
236.2	3.7	3.1		236.2
242.8	3.3	2.9		242.8

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T 193.9-209 ft
ASME B30.5 85%
Units: 1,000 lb

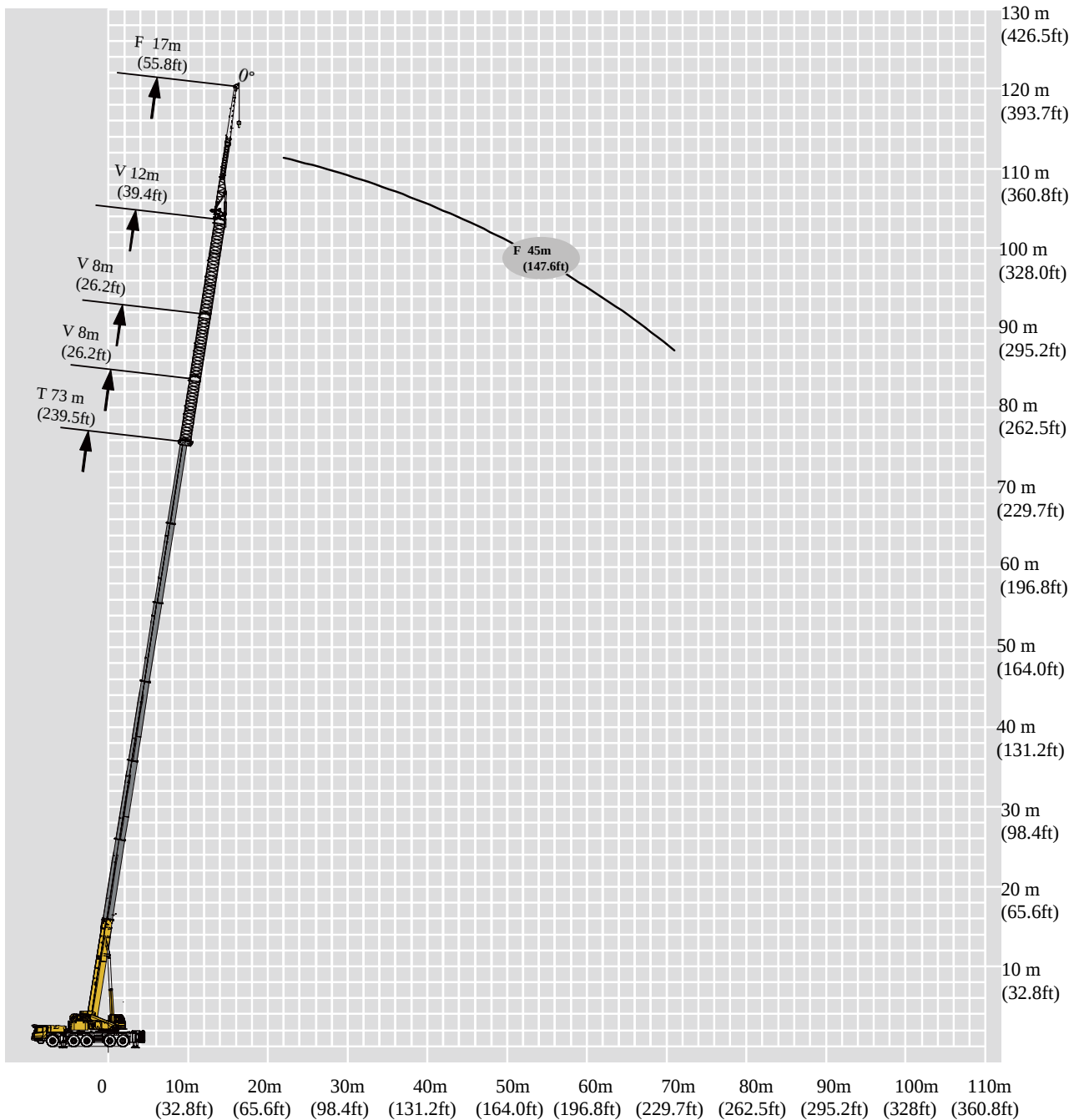


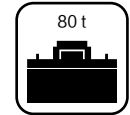
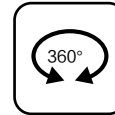
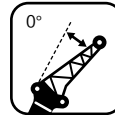
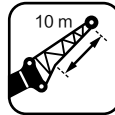
	193.9 +26.2	209.0 +26.2	
131.2	4.4	4.4	131.2
137.8	4.4	4.4	137.8
144.4	4.4	4.2	144.4
150.9	4.2	4.2	150.9
157.5	4.2	4.2	157.5
164.0	4.2	4.2	164.0
170.6	4.2	4.2	170.6
177.2	4.2	4.2	177.2
183.7	4.0	4.0	183.7
190.3	4.0	4.0	190.3
196.8	4.0	4.0	196.8
203.4	3.7	3.7	203.4
210.0	3.7	3.7	210.0
216.5	3.7	3.7	216.5
223.1	3.5		223.1
229.7	3.5		229.7
236.2	3.5		236.2
242.8	3.5		242.8
249.3	3.3		249.3

T 193.9 ft
ASME B30.5 85%
Units: 1,000 lb

193.9 + 26.2


137.8	3.7	137.8
144.4	3.5	144.4
150.9	3.5	150.9
157.5	3.5	157.5
164.0	3.3	164.0
170.6	3.3	170.6
177.2	3.3	177.2
183.7	3.3	183.7
190.3	3.3	190.3
196.8	3.3	196.8
203.4	3.1	203.4
210.0	3.1	210.0
216.5	3.1	216.5
223.1	3.1	223.1
229.7	3.1	229.7
236.2	3.1	236.2

LIGHT-DUTY FIXED JIB

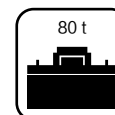
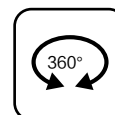
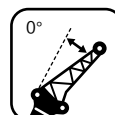


T 27.1-73 m

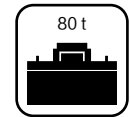
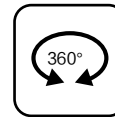
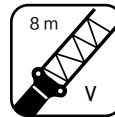
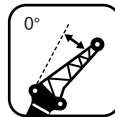
	27.1	31.7	36.2	40.8	59.1	63.7	68.2	73.0	
4.5	14.0	13.7							4.5
5	14.0	13.7							5
6	14.0	13.7							6
7	14.0	13.7	13.3						7
8	14.0	13.7	13.3						8
9	14.0	13.7	13.3	12.6					9
10	14.0	13.7	13.3	12.6					10
12	13.8	13.7	13.3	12.6	9.3				12
14	12.2	13.4	13.3	12.6	9.3	8.4			14
16	10.7	12.1	13.1	12.6	9.3	8.4	7.4	6.7	16
18	10.1	10.8	12.0	12.6	9.3	8.4	7.4	6.7	18
20	9.5	10.1	10.8	11.9	9.3	8.4	7.4	6.7	20
22	8.5	9.7	10.2	10.8	9.3	8.4	7.4	6.7	22
24	7.7	9.0	9.8	10.1	9.3	8.4	7.4	6.7	24
26	7.0	8.2	9.3	9.9	9.3	8.4	7.4	6.7	26
28	6.5	7.5	8.6	9.4	9.3	8.4	7.4	6.7	28
30		6.9	7.9	8.7	9.3	8.4	7.4	6.7	30
32		6.4	7.3	8.1	9.3	8.4	7.4	6.7	32
34		5.9	6.8	7.6	9.0	8.2	7.3	6.6	34
36			6.4	7.2	8.5	7.7	6.9	6.2	36
38			6.0	6.7	8.0	7.3	6.5	5.8	38
40				6.3	7.5	6.8	6.2	5.5	40
42				6.1	7.0	6.3	5.8	5.2	42
44					6.7	6.0	5.5	4.9	44
46					6.3	5.8	5.3	4.7	46
48					6.0	5.3	5.0	4.4	48
50					5.5	5.1	4.7	4.2	50
52					5.1	4.8	4.5	3.9	52
54					4.8	4.6	4.2	3.7	54
56					4.6	4.3	4.1	3.6	56
58					4.5	4.1	3.8	3.4	58
60					4.3	3.8	3.8	3.3	60
62						3.6	3.6	3.1	62
64						3.4	3.3	2.9	64
66							3.0	2.6	66
68							2.9	2.4	68
70								2.3	70
72								2.2	72
74								2.0	74

LOAD CHARTS

T 59.1-73 m



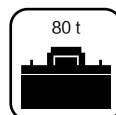
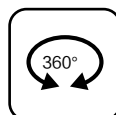
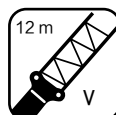
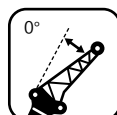
	59.1	63.7	68.2	73.0	
14	4.4	4.0			14
16	4.4	4.0			16
18	4.4	4.0	3.5	3.2	18
20	4.4	4.0	3.5	3.2	20
22	4.4	4.0	3.5	3.2	22
24	4.4	4.0	3.5	3.2	24
26	4.2	4.0	3.5	3.2	26
28	3.9	4.0	3.5	3.2	28
30	3.7	3.9	3.5	3.2	30
32	3.5	3.6	3.5	3.2	32
34	3.3	3.4	3.5	3.2	34
36	3.0	3.3	3.5	3.2	36
38	2.9	3.1	3.3	3.2	38
40	2.7	2.9	3.1	3.2	40
42	2.6	2.8	2.9	3.1	42
44	2.5	2.7	2.8	3.0	44
46	2.4	2.6	2.7	2.9	46
48	2.3	2.4	2.6	2.8	48
50	2.1	2.3	2.5	2.7	50
52	2.0	2.2	2.3	2.6	52
54	1.9	2.1	2.3	2.4	54
56	1.9	2.0	2.2	2.4	56
58	1.8	2.0	2.1	2.3	58
60	1.8	1.9	2.1	2.3	60
62	1.7	1.8	2.0	2.2	62
64	1.6	1.8	2.0	2.2	64
66	1.6	1.7	1.9	2.1	66
68		1.7	1.9	2.1	68
70		1.7	1.8	2.0	70
72			1.7	1.9	72
74			1.7	1.8	74
76				1.7	76
78				1.6	78
80				1.5	80

T 59.1-73 m

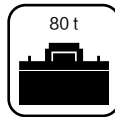
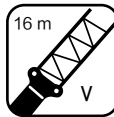
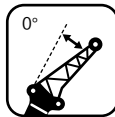
	59.1+8	63.7+8	68.2+8	73.0+8	
14	3.9				14
16	3.9				16
18	3.9	3.7	3.2		18
20	3.9	3.7	3.2	2.7	20
22	3.9	3.7	3.2	2.7	22
24	3.9	3.7	3.2	2.7	24
26	3.9	3.7	3.2	2.7	26
28	3.9	3.7	3.2	2.7	28
30	3.9	3.7	3.2	2.7	30
32	3.8	3.7	3.2	2.7	32
34	3.6	3.7	3.2	2.7	34
36	3.4	3.5	3.2	2.7	36
38	3.2	3.3	3.2	2.7	38
40	3.0	3.2	3.2	2.7	40
42	2.9	3.1	3.2	2.7	42
44	2.8	3.0	3.1	2.7	44
46	2.7	2.8	3.0	2.7	46
48	2.6	2.7	3.0	2.7	48
50	2.5	2.6	2.9	2.7	50
52	2.4	2.5	2.7	2.7	52
54	2.2	2.5	2.6	2.7	54
56	2.2	2.4	2.5	2.6	56
58	2.1	2.3	2.5	2.4	58
60	2.0	2.2	2.4	2.3	60
62	2.0	2.1	2.4	2.1	62
64	2.0	2.1	2.3	2.0	64
66	1.9	2.0	2.3	1.8	66
68	1.8	2.0	2.1	1.8	68
70	1.8	2.0	2.0	1.7	70
72	1.8	1.9	1.9	1.6	72
74	1.7	1.9	1.9	1.5	74
76		1.9	1.7	1.4	76
78		1.8	1.6	1.2	78
80		1.7	1.6	1.1	80
82			1.5		82
84			1.3		84

LOAD CHARTS

T 59.1-73 m



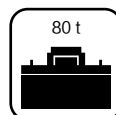
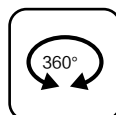
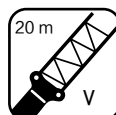
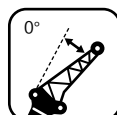
	59.1+12	63.7+12	68.2+12	73.0+12	
18	3.5	3.2	3.0		18
20	3.5	3.2	3.0		20
22	3.5	3.2	3.0	2.8	22
24	3.5	3.2	3.0	2.8	24
26	3.5	3.2	3.0	2.8	26
28	3.5	3.2	3.0	2.8	28
30	3.5	3.2	3.0	2.8	30
32	3.5	3.2	3.0	2.8	32
34	3.5	3.2	3.0	2.8	34
36	3.5	3.2	3.0	2.8	36
38	3.4	3.2	3.0	2.8	38
40	3.2	3.2	3.0	2.8	40
42	3.0	3.2	3.0	2.8	42
44	2.9	3.1	3.0	2.8	44
46	2.8	3.0	3.0	2.8	46
48	2.7	2.8	3.0	2.8	48
50	2.6	2.7	2.9	2.8	50
52	2.5	2.6	2.8	2.6	52
54	2.4	2.6	2.8	2.5	54
56	2.4	2.5	2.7	2.3	56
58	2.2	2.5	2.6	2.2	58
60	2.2	2.4	2.4	2.1	60
62	2.1	2.3	2.3	1.9	62
64	2.1	2.3	2.2	1.8	64
66	2.0	2.2	2.1	1.7	66
68	2.0	2.1	1.9	1.6	68
70	1.9	2.1	1.8	1.5	70
72	1.8	2.0	1.7	1.3	72
74	1.8	1.8	1.6	1.2	74
76	1.7	1.7	1.5	1.2	76
78	1.6	1.6	1.4		78
80		1.5	1.4		80
82		1.4	1.2		82
84			1.2		84
86			1.1		86

T 59.1-68.2 m

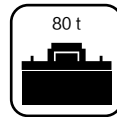
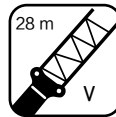
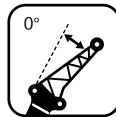
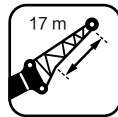
	59.1+16	63.7+16	68.2+16	
18	3.3			18
20	3.3	3.0		20
22	3.3	3.0	2.6	22
24	3.3	3.0	2.6	24
26	3.3	3.0	2.6	26
28	3.3	3.0	2.6	28
30	3.3	3.0	2.6	30
32	3.3	3.0	2.6	32
34	3.3	3.0	2.6	34
36	3.3	3.0	2.6	36
38	3.3	3.0	2.6	38
40	3.3	3.0	2.6	40
42	3.2	3.0	2.6	42
44	3.0	3.0	2.6	44
46	3.0	3.0	2.6	46
48	2.9	3.0	2.6	48
50	2.7	2.8	2.6	50
52	2.6	2.8	2.6	52
54	2.6	2.7	2.6	54
56	2.5	2.6	2.4	56
58	2.4	2.6	2.3	58
60	2.4	2.4	2.2	60
62	2.2	2.3	2.0	62
64	2.2	2.2	1.9	64
66	2.1	2.0	1.8	66
68	2.0	1.9	1.7	68
70	2.0	1.8	1.5	70
72	1.9	1.7	1.4	72
74	1.8	1.6	1.3	74
76	1.7	1.5	1.2	76
78	1.6	1.4	1.2	78
80	1.5	1.2		80
82	1.4	1.2		82
84		1.1		84
86		1.1		86

LOAD CHARTS

T 59.1-68.2 m



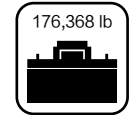
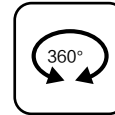
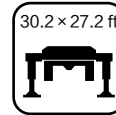
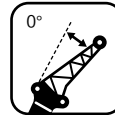
	59.1+20	63.7+20	68.2+20	
18	3.3			18
20	3.3			20
22	3.3	3.0	2.4	22
24	3.3	3.0	2.4	24
26	3.3	3.0	2.4	26
28	3.3	3.0	2.4	28
30	3.3	3.0	2.4	30
32	3.3	3.0	2.4	32
34	3.3	3.0	2.4	34
36	3.3	3.0	2.4	36
38	3.3	3.0	2.4	38
40	3.3	3.0	2.4	40
42	3.2	3.0	2.4	42
44	3.1	2.9	2.4	44
46	3.0	2.9	2.4	46
48	2.9	2.9	2.4	48
50	2.9	2.7	2.4	50
52	2.7	2.7	2.4	52
54	2.6	2.7	2.3	54
56	2.5	2.5	2.2	56
58	2.5	2.4	2.1	58
60	2.4	2.2	1.9	60
62	2.3	2.1	1.8	62
64	2.3	2.0	1.6	64
66	2.2	1.9	1.5	66
68	2.1	1.7	1.4	68
70	2.0	1.6	1.2	70
72	1.9	1.5		72
74	1.8	1.4		74
76	1.7	1.2		76
78	1.6	1.2		78
80	1.5	1.2		80
82	1.4			82
84	1.3			84
86	1.2			86

T 59.1-68.2 m


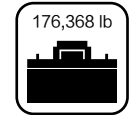
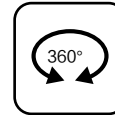
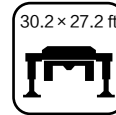
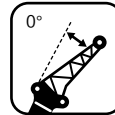
	59.1+28	63.7+28	68.2+28	
20	2.6			20
22	2.6	2.3	2.1	22
24	2.6	2.3	2.1	24
26	2.6	2.3	2.1	26
28	2.6	2.3	2.1	28
30	2.6	2.3	2.1	30
32	2.6	2.3	2.1	32
34	2.6	2.3	2.1	34
36	2.6	2.3	2.1	36
38	2.6	2.3	2.0	38
40	2.5	2.3	2.0	40
42	2.4	2.2	2.0	42
44	2.3	2.1	1.9	44
46	2.2	2.1	1.9	46
48	2.2	2.0	1.8	48
50	2.1	1.9	1.8	50
52	2.0	1.9	1.7	52
54	2.0	1.8	1.7	54
56	1.9	1.8	1.6	56
58	1.9	1.7	1.6	58
60	1.8	1.7		60
62	1.7	1.6		62
64	1.7	1.6		64
66	1.6	1.5		66
68	1.6			68
70	1.5			70
72	1.4			72
74	1.4			74
76	1.3			76
78	1.2			78

LOAD CHARTS

T 88.9-239.5 ft
ASME B30.5 85%
Units: 1,000 lb



	88.9	104.0	118.8	133.9	193.9	209.0	223.8	239.5	
14.8	30.9	30.2							14.8
16.4	30.9	30.2							16.4
19.7	30.9	30.2							19.7
23.0	30.9	30.2	29.3						23.0
26.2	30.9	30.2	29.3						26.2
29.5	30.9	30.2	29.3	27.8					29.5
32.8	30.9	30.2	29.3	27.8					32.8
39.4	30.4	30.2	29.3	27.8	20.5				39.4
45.9	26.9	29.5	29.3	27.8	20.5	18.5			45.9
52.5	23.6	26.7	28.9	27.8	20.5	18.5	16.3	14.8	52.5
59.1	22.3	23.8	26.5	27.8	20.5	18.5	16.3	14.8	59.1
65.6	20.9	22.3	23.8	26.2	20.5	18.5	16.3	14.8	65.6
72.2	18.7	21.4	22.5	23.8	20.5	18.5	16.3	14.8	72.2
78.7	17.0	19.8	21.6	22.3	20.5	18.5	16.3	14.8	78.7
85.3	15.4	18.1	20.5	21.8	20.5	18.5	16.3	14.8	85.3
91.9	14.3	16.5	19.0	20.7	20.5	18.5	16.3	14.8	91.9
98.4		15.2	17.4	19.2	20.5	18.5	16.3	14.8	98.4
105.0		14.1	16.1	17.9	20.5	18.5	16.3	14.8	105.0
111.5		13.0	15.0	16.8	19.8	18.1	16.1	14.6	111.5
118.1			14.1	15.9	18.7	17.0	15.2	13.7	118.1
124.7			13.2	14.8	17.6	16.1	14.3	12.8	124.7
131.2				13.9	16.5	15.0	13.7	12.1	131.2
137.8				13.4	15.4	13.9	12.8	11.5	137.8
144.4					14.8	13.2	12.1	10.8	144.4
150.9					13.9	12.8	11.7	10.4	150.9
157.5					13.2	11.7	11.0	9.7	157.5
164.0					12.1	11.2	10.4	9.3	164.0
170.6					11.2	10.6	9.9	8.6	170.6
177.2					10.6	10.1	9.3	8.2	177.2
183.7					10.1	9.5	9.0	7.9	183.7
190.3					9.9	9.0	8.4	7.5	190.3
196.8					9.5	8.4	8.4	7.3	196.8
203.4						7.9	7.9	6.8	203.4
210.0						7.5	7.3	6.4	210.0
216.5							6.6	5.7	216.5
223.1							6.4	5.3	223.1
229.7								5.1	229.7
236.2								4.9	236.2
242.8								4.4	242.8

T 193.9-239.5 ft**ASME B30.5 85%****Units: 1,000 lb**

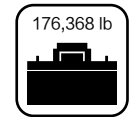
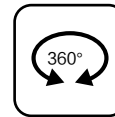
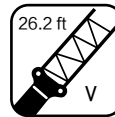
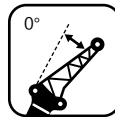
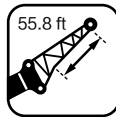
	193.9	209.0	223.8	239.5	
45.9	9.7	8.8			45.9
52.5	9.7	8.8			52.5
59.1	9.7	8.8	7.7	7.1	59.1
65.6	9.7	8.8	7.7	7.1	65.6
72.2	9.7	8.8	7.7	7.1	72.2
78.7	9.7	8.8	7.7	7.1	78.7
85.3	9.3	8.8	7.7	7.1	85.3
91.9	8.6	8.8	7.7	7.1	91.9
98.4	8.2	8.6	7.7	7.1	98.4
105.0	7.7	7.9	7.7	7.1	105.0
111.5	7.3	7.5	7.7	7.1	111.5
118.1	6.6	7.3	7.7	7.1	118.1
124.7	6.4	6.8	7.3	7.1	124.7
131.2	6.0	6.4	6.8	7.1	131.2
137.8	5.7	6.2	6.4	6.8	137.8
144.4	5.5	6.0	6.2	6.6	144.4
150.9	5.3	5.7	6.0	6.4	150.9
157.5	5.1	5.3	5.7	6.2	157.5
164.0	4.6	5.1	5.5	6.0	164.0
170.6	4.4	4.9	5.1	5.7	170.6
177.2	4.2	4.6	5.1	5.3	177.2
183.7	4.2	4.4	4.9	5.3	183.7
190.3	4.0	4.4	4.6	5.1	190.3
196.8	4.0	4.2	4.6	5.1	196.8
203.4	3.7	4.0	4.4	4.9	203.4
210.0	3.5	4.0	4.4	4.9	210.0
216.5	3.5	3.7	4.2	4.6	216.5
223.1		3.7	4.2	4.6	223.1
229.7		3.7	4.0	4.4	229.7
236.2			3.7	4.2	236.2
242.8			3.7	4.0	242.8
249.3				3.7	249.3
255.9				3.5	255.9
262.5				3.3	262.5

LOAD CHARTS

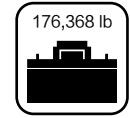
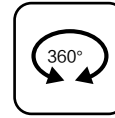
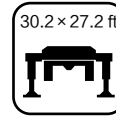
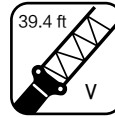
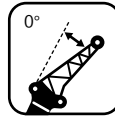
T 193.9-239.5 ft

ASME B30.5 85%

Units: 1,000 lb



	193.9 +26.2	209.0 +26.2	223.8 +26.2	239.5 +26.2	
45.9	8.6				45.9
52.5	8.6				52.5
59.1	8.6	8.2	7.1		59.1
65.6	8.6	8.2	7.1	6.0	65.6
72.2	8.6	8.2	7.1	6.0	72.2
78.7	8.6	8.2	7.1	6.0	78.7
85.3	8.6	8.2	7.1	6.0	85.3
91.9	8.6	8.2	7.1	6.0	91.9
98.4	8.6	8.2	7.1	6.0	98.4
105.0	8.4	8.2	7.1	6.0	105.0
111.5	7.9	8.2	7.1	6.0	111.5
118.1	7.5	7.7	7.1	6.0	118.1
124.7	7.1	7.3	7.1	6.0	124.7
131.2	6.6	7.1	7.1	6.0	131.2
137.8	6.4	6.8	7.1	6.0	137.8
144.4	6.2	6.6	6.8	6.0	144.4
150.9	6.0	6.2	6.6	6.0	150.9
157.5	5.7	6.0	6.6	6.0	157.5
164.0	5.5	5.7	6.4	6.0	164.0
170.6	5.3	5.5	6.0	6.0	170.6
177.2	4.9	5.5	5.7	6.0	177.2
183.7	4.9	5.3	5.5	5.7	183.7
190.3	4.6	5.1	5.5	5.3	190.3
196.8	4.4	4.9	5.3	5.1	196.8
203.4	4.4	4.6	5.3	4.6	203.4
210.0	4.4	4.6	5.1	4.4	210.0
216.5	4.2	4.4	5.1	4.0	216.5
223.1	4.0	4.4	4.6	4.0	223.1
229.7	4.0	4.4	4.4	3.7	229.7
236.2	4.0	4.2	4.2	3.5	236.2
242.8	3.7	4.2	4.2	3.3	242.8
249.3		4.2	3.7	3.1	249.3
255.9		4.0	3.5	2.6	255.9
262.5		3.7	3.5	2.4	262.5
269.0			3.3		269.0
275.6			2.9		275.6

T 193.9-239.5 ft**ASME B30.5 85%****Units: 1,000 lb**

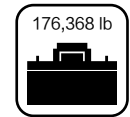
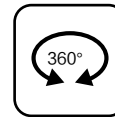
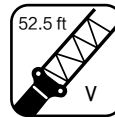
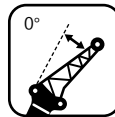
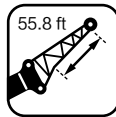
	193.9 +39.4	209.0 +39.4	223.8 +39.4	239.5 +39.4	
59.1	7.7	7.1	6.6		59.1
65.6	7.7	7.1	6.6		65.6
72.2	7.7	7.1	6.6	6.2	72.2
78.7	7.7	7.1	6.6	6.2	78.7
85.3	7.7	7.1	6.6	6.2	85.3
91.9	7.7	7.1	6.6	6.2	91.9
98.4	7.7	7.1	6.6	6.2	98.4
105.0	7.7	7.1	6.6	6.2	105.0
111.5	7.7	7.1	6.6	6.2	111.5
118.1	7.7	7.1	6.6	6.2	118.1
124.7	7.5	7.1	6.6	6.2	124.7
131.2	7.1	7.1	6.6	6.2	131.2
137.8	6.6	7.1	6.6	6.2	137.8
144.4	6.4	6.8	6.6	6.2	144.4
150.9	6.2	6.6	6.6	6.2	150.9
157.5	6.0	6.2	6.6	6.2	157.5
164.0	5.7	6.0	6.4	6.2	164.0
170.6	5.5	5.7	6.2	5.7	170.6
177.2	5.3	5.7	6.2	5.5	177.2
183.7	5.3	5.5	6.0	5.1	183.7
190.3	4.9	5.5	5.7	4.9	190.3
196.8	4.9	5.3	5.3	4.6	196.8
203.4	4.6	5.1	5.1	4.2	203.4
210.0	4.6	5.1	4.9	4.0	210.0
216.5	4.4	4.9	4.6	3.7	216.5
223.1	4.4	4.6	4.2	3.5	223.1
229.7	4.2	4.6	4.0	3.3	229.7
236.2	4.0	4.4	3.7	2.9	236.2
242.8	4.0	4.0	3.5	2.6	242.8
249.3	3.7	3.7	3.3	2.6	249.3
255.9	3.5	3.5	3.1		255.9
262.5		3.3	3.1		262.5
269.0		3.1	2.6		269.0
275.6			2.6		275.6
282.1			2.4		282.1

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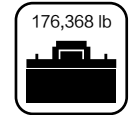
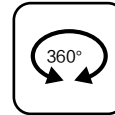
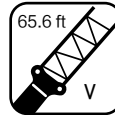
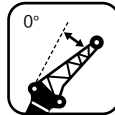
T 193.9-223.8 ft

ASME B30.5 85%

Units: 1,000 lb



	193.9 +52.5	209.0 +52.5	223.8 +52.5	
59.1	7.3			59.1
65.6	7.3	6.6		65.6
72.2	7.3	6.6	5.7	72.2
78.7	7.3	6.6	5.7	78.7
85.3	7.3	6.6	5.7	85.3
91.9	7.3	6.6	5.7	91.9
98.4	7.3	6.6	5.7	98.4
105.0	7.3	6.6	5.7	105.0
111.5	7.3	6.6	5.7	111.5
118.1	7.3	6.6	5.7	118.1
124.7	7.3	6.6	5.7	124.7
131.2	7.3	6.6	5.7	131.2
137.8	7.1	6.6	5.7	137.8
144.4	6.6	6.6	5.7	144.4
150.9	6.6	6.6	5.7	150.9
157.5	6.4	6.6	5.7	157.5
164.0	6.0	6.2	5.7	164.0
170.6	5.7	6.2	5.7	170.6
177.2	5.7	6.0	5.7	177.2
183.7	5.5	5.7	5.3	183.7
190.3	5.3	5.7	5.1	190.3
196.8	5.3	5.3	4.9	196.8
203.4	4.9	5.1	4.4	203.4
210.0	4.9	4.9	4.2	210.0
216.5	4.6	4.4	4.0	216.5
223.1	4.4	4.2	3.7	223.1
229.7	4.4	4.0	3.3	229.7
236.2	4.2	3.7	3.1	236.2
242.8	4.0	3.5	2.9	242.8
249.3	3.7	3.3	2.6	249.3
255.9	3.5	3.1	2.6	255.9
262.5	3.3	2.6		262.5
269.0	3.1	2.6		269.0
275.6		2.4		275.6
282.1		2.4		282.1

T 193.9-223.8 ft**ASME B30.5 85%****Units: 1,000 lb**

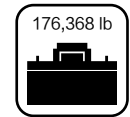
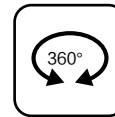
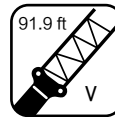
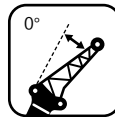
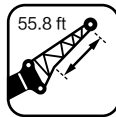
	193.9 +65.6	209.0 +65.6	223.8 +65.6	
59.1	7.3			59.1
65.6	7.3			65.6
72.2	7.3	6.6	5.3	72.2
78.7	7.3	6.6	5.3	78.7
85.3	7.3	6.6	5.3	85.3
91.9	7.3	6.6	5.3	91.9
98.4	7.3	6.6	5.3	98.4
105.0	7.3	6.6	5.3	105.0
111.5	7.3	6.6	5.3	111.5
118.1	7.3	6.6	5.3	118.1
124.7	7.3	6.6	5.3	124.7
131.2	7.3	6.6	5.3	131.2
137.8	7.1	6.6	5.3	137.8
144.4	6.8	6.4	5.3	144.4
150.9	6.6	6.4	5.3	150.9
157.5	6.4	6.4	5.3	157.5
164.0	6.4	6.0	5.3	164.0
170.6	6.0	6.0	5.3	170.6
177.2	5.7	6.0	5.1	177.2
183.7	5.5	5.5	4.9	183.7
190.3	5.5	5.3	4.6	190.3
196.8	5.3	4.9	4.2	196.8
203.4	5.1	4.6	4.0	203.4
210.0	5.1	4.4	3.5	210.0
216.5	4.9	4.2	3.3	216.5
223.1	4.6	3.7	3.1	223.1
229.7	4.4	3.5	2.6	229.7
236.2	4.2	3.3		236.2
242.8	4.0	3.1		242.8
249.3	3.7	2.6		249.3
255.9	3.5	2.6		255.9
262.5	3.3	2.6		262.5
269.0	3.1			269.0
275.6	2.9			275.6
282.1	2.6			282.1

LOAD CHARTS

T 193.9-223.8 ft

ASME B30.5 85%

Units: 1,000 lb

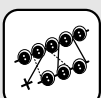
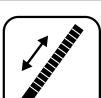
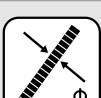


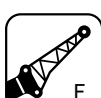
	193.9 +91.9	209.0 +91.9	223.8 +91.9	
65.6	5.7			65.6
72.2	5.7	5.1	4.6	72.2
78.7	5.7	5.1	4.6	78.7
85.3	5.7	5.1	4.6	85.3
91.9	5.7	5.1	4.6	91.9
98.4	5.7	5.1	4.6	98.4
105.0	5.7	5.1	4.6	105.0
111.5	5.7	5.1	4.6	111.5
118.1	5.7	5.1	4.6	118.1
124.7	5.7	5.1	4.4	124.7
131.2	5.5	5.1	4.4	131.2
137.8	5.3	4.9	4.4	137.8
144.4	5.1	4.6	4.2	144.4
150.9	4.9	4.6	4.2	150.9
157.5	4.9	4.4	4.0	157.5
164.0	4.6	4.2	4.0	164.0
170.6	4.4	4.2	3.7	170.6
177.2	4.4	4.0	3.7	177.2
183.7	4.2	4.0	3.5	183.7
190.3	4.2	3.7	3.5	190.3
196.8	4.0	3.7		196.8
203.4	3.7	3.5		203.4
210.0	3.7	3.5		210.0
216.5	3.5	3.3		216.5
223.1	3.5			223.1
229.7	3.3			229.7
236.2	3.1			236.2
242.8	3.1			242.8
249.3	2.9			249.3
255.9	2.6			255.9

TYPE	ITEM		UNIT	PARAMETERS	
Dimensions	Dimensions (L×W×H)		mm (ft)	15430×3100×4030(50.6×10.2×13.2)	
	Axle spacing		mm (ft)	2650+1650+2900+1650(8.7+5.4+9.5+5.4)	
	Track (front/rear)		mm (ft)	2572/2572/2572/2572/2572 (8.44/8.44/8.44/8.44/8.44)	
	Front overhang/rear overhang		mm (ft)	2664/2245(8.74/7.37)	
	Front extension/rear extension		mm (ft)	1673/0(5.5/0)	
Weights	Maximum permissible total weight		kg (lb)	62155 (137024)	
	Axle load	Axle 1	kg (lb)	12420 (27380)	
		Axle 2	kg (lb)	12420 (27380)	
		Axle 3	kg (lb)	12420 (27380)	
		Axle 4	kg (lb)	12447 (27442)	
		Axle 5	kg (lb)	12447 (27442)	
Power	Engine model		—	OM471LA.E4-1	OM471LA.E5-1
	Maximum net power/rpm		kW@ rpm (bhp@ rpm)	390/1600 (523.0/1600)	390/1600 (523.0/1600)
	Maximum output torque/rpm		Nm@ rpm (ft-lb@ rpm)	2458/1300 (1814.5/1300)	2600/1300 (1917.7/1300)
Travel	Maximum travel speed		kph(mph)	≥80(49.7)	
	Minimum stable travel speed		kph(mph)	2~3(1.2~1.9)	
	Minimum turning diameter		m (ft)	≤20(65.6)	
	Minimum turning diameter at boom head		m (ft)	≤24.08(79)	
	Minimum ground clearance		m (ft)	357 (1.17)	
	Approach angle		°	19	
	Departure angle		°	18	
	Maximum grade ability		%	≥60	

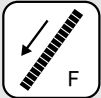
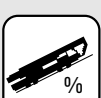
MAIN TECHNICAL PARAMETERS

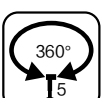
TYPE	ITEM		UNIT	PARAMETERS
Main performance	Maximum rated lifting capacity		t (USt)	250(275)*
	Minimum rated working radius		m (ft)	2.5 (8)
	Turning radius at turntable tail	At counterweight	mm (ft)	5000 (16.4)
		At auxiliary winch	mm (ft)	4850 (15.9)
	Maximum load moment	Base boom	kN.m (lb-ft)	6791 (5,012,366)
		Fully-extended boom	kN.m (lb-ft)	2963 (2,187,214)
		Fully-extended boom+heavy duty jib	kN.m (lb-ft)	980 (723,109)
		Fully-extended boom+light duty jib	kN.m (lb-ft)	909 (671,256)
	Outrigger span	Longitudinal	m (ft)	9.19 (30.2)
		Lateral	m (ft)	8.3/5.5(27.2/18)
	Lifting height	Base boom	m (ft)	13.4 (44.0)
		Fully-extended boom	m (ft)	73.5 (241)
		Fully-extended boom+heavy duty jib	m (ft)	108.2 (355)
		Fully-extended boom+light duty jib	m (ft)	111.3 (365)
	Boom length	Base boom	m (ft)	13.4 (44.0)
		Fully-extended boom	m (ft)	73 (239.5)
		Fully-extended boom+heavy duty jib	m (ft)	112.2 (368)
		Fully-extended boom+light duty jib	m (ft)	113.2 (371.4)
	Jib offset angle		°	0, 20, 40
Working speeds	Time for raising boom		s	≤55
	Time for fully extending the boom		s	≤900
	Maximum slewing speed		m/min (rpm)	≥1.5
	Hoisting speed (Single line, 4th layer, no load)	Main winch system	m/min (fpm)	≥130(426.5)
		Auxiliary winch system	m/min (fpm)	≥130(426.5)

	Superstructure
	Rated lifting load
	Counterweight
	Slewing radius of variable-position counterweight
	Hook block
	Parts of line
	Boom length combination
	Wind speed
	Configuration
	Optional equipment
	Wire rope length
	Wire rope diameter

	Boom
	Boom length
	Working radius
	Lifting height with boom
	Boom angle
	Extension
	Independent jib head
	Simple jib head
	Fixed jib
	Fixed jib length
	Fixed jib offset angle
	Luffing jib

DESCRIPTION OF SYMBOLS

	Maximum single line pull
	Maximum working speed
	Main winch
	Auxiliary winch
	Chassis
	Outrigger span
	Tires
	Axle load
	Grade ability
	Travel speed
	Luffing
	EN 13000 standard

	Maximum lifting height
	Maximum working radius
	Super lift
	Wind power jib
	Telescoping
	Slewing
	360° slewing
	360° slewing with the 5th jack down
	Side and rear operation
	Operation over front
	Operation over rear

INTELLIGENT ENGINEERING AND MANUFACTURING LEADS TO QUALITY

- Starting with digital models, XCMG is leading the way with intelligent and quality manufacturing technologies. Integrating process simulation and the latest simulation technologies we have creating a high-end manufacturing platform that combines manufacturing and processes to supply the best cranes.

**INTELLIGENT AND CONSISTANT ASSEMBLING****AUTOMATED PAINTING TO INSURE CONSISTANT QUALITY****DIGITIZED WELDING AND MACHINING****DIGITAL AUTOMATED PROCESS FLOWS****UNMANNED AUTOMATIC WELDING**

CONSISTANT SAFE AND RELIABLE MACHINES

G-SAFE LIFE CYCLE SAFE QUALITY

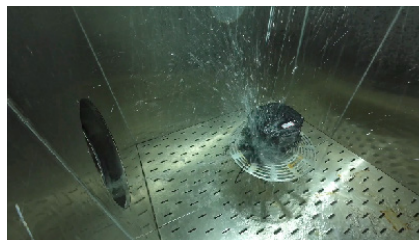
PARTS AND COMPLETE MACHINE TESTING

- Each new technology and component is required to meet the most stringent design and quality protocols.
- Each complete machine undergoes rigorous run in and testing, components are subject to ongoing testing.

OVER 2,000 COMPONENTS FROM 123 MANUFACTURES UNDERGOING LIFE CYCLE TESTING



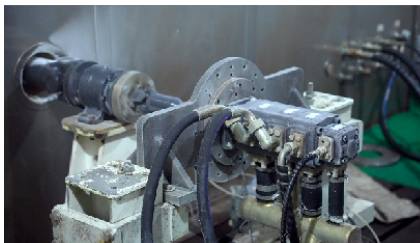
HMI display
Low-temperature performance test under -40 °C



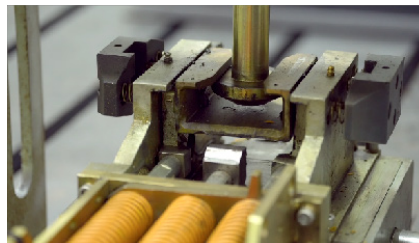
Length measurement sensor
48-hour rain test



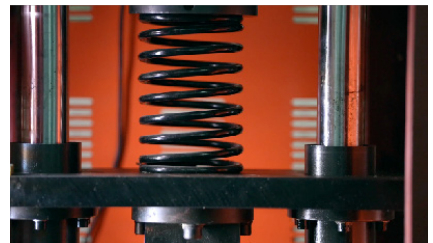
Panel buttons cycled
1.2 million times



Hydraulic pump undergoing Low-temperature
performance test under -40 °C



Telescoping mechanism
Smoothness test



Telescoping mechanism
Smoothness test

178 POST PRODUCTION FULL-SCALE TESTS ON THE COMPLETE MACHINE



Passability



Climbing & Hill holding



Dynamic & Static lifting

NOTES FOR LIFTING

- ✔ 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 with the tires free of the ground. The weights of the hookblock, rigging and the rope between the boom tip and block must be deducted as well as optional items such as the auxiliary sheave and jib.
- ✔ 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. The operator will need to take boom deflection into consideration before beginning a lifting operation.
- ✔ A lifting operation is permissible only when the wind force is below grade 5 (instantaneous wind speed is 14m/s (46.2ft/s), and wind pressure is below 124Pa (2.59lb/ft²).
- ✔ Before beginning lifting operation, the operator should know the weight of the load to be lifted and the crane's working range, and then select proper working conditions. 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.
- ✔ 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 may overturn.
- ✔ The boom should be extended according to the telescoping codes shown on the load charts.



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