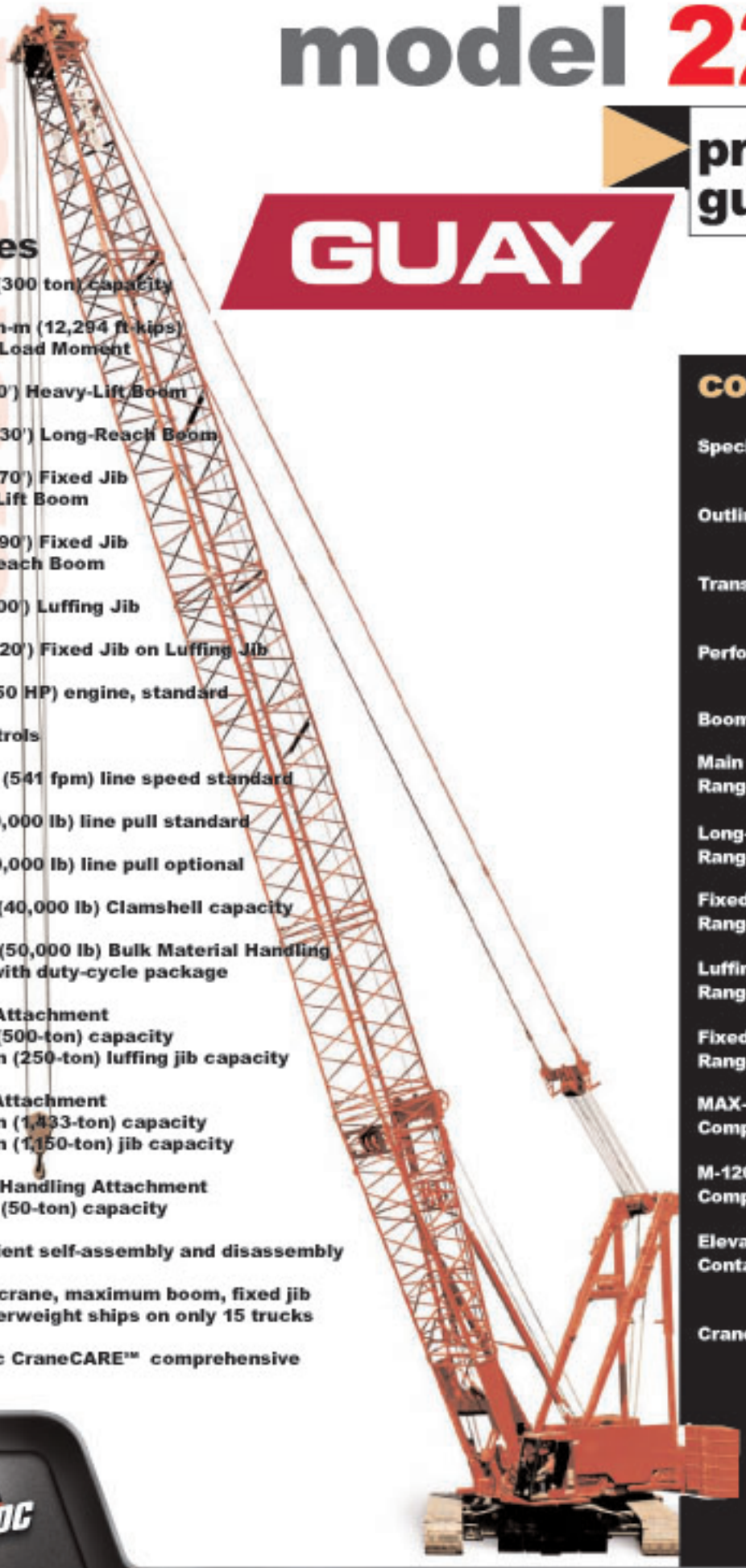
model 2250

product guide

GUAY



features

- 272 mton (300 ton) capacity
- 1 700 mton-m (12,294 ft-kips) Maximum Load Moment
- 91,4 m (300') Heavy-Lift Boom
- 100,6 m (330') Long-Reach Boom
- 112,8 m (370') Fixed Jib on Heavy-Lift Boom
- 118,9 m (390') Fixed Jib on Long-Reach Boom
- 121,9 m (400') Luffing Jib
- 158,5 m (520') Fixed Jib on Luffing Jib
- 335 kW (450 HP) engine, standard
- EPIC® controls
- 165 m/min (541 fpm) line speed standard
- 133 kN (30,000 lb) line pull standard
- 222 kN (50,000 lb) line pull optional
- 18 100 kg (40,000 lb) Clamshell capacity
- 22 600 kg (50,000 lb) Bulk Material Handling capacity with duty-cycle package
- MAX-ER™ Attachment
  450-mton (500-ton) capacity
  226,7-mton (250-ton) luffing jib capacity
- RINGER® Attachment
  1 300-mton (1,433-ton) capacity
  1 045-mton (1,150-ton) jib capacity
- Container Handling Attachment
  45,4-mton (50-ton) capacity
- Fast, efficient self-assembly and disassembly
- Complete crane, maximum boom, fixed jib and counterweight ships on only 15 trucks
- Manitowoc CraneCARE℠ comprehensive support

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Manitowoc

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Upperworks

Engine

Cummins Model N14-C450 diesel, 6 cylinder, 335 kW (450 BHP) @ 2100 governed RPM.

Optional: Cummins Model N14-C525E-CELECT diesel, 6 cylinder, 392 kW (525 BHP) @ 2100 governed RPM.

Optional: Caterpillar Model 3406C-DITA diesel, 6 cylinder, 335 kW (450 BHP) @ 2100 governed RPM.

Includes engine block heater (120 V), ether starting aid, alcohol injector in air line, disconnect clutch for cold weather starting, high silencing muffler, hydraulic oil cooler, radiator and fan.

Multiple hydraulic pump drive transmission provides independent power for all machine functions.

Two 12 volt maintenance-free, Group 8D batteries, 1155 CCA at -18°C (0° F), 24 volt starting and 120 amp alternator.

One 644 l (170 gal) capacity diesel fuel tank, mounted on rear of upperworks, with level indicator in operator's cab.

Optional: Cold-weather package with heater for fluids, brake pedals, batteries, and computer display.

Controls

Modulating electronic-over-hydraulic controls provide infinite speed response directly proportional to control lever movement. Controls include Manitowoc's exclusive EPIC® ***E**lectronically **P**rocessed **I**ndependent **C**ontrol* system providing microprocessor driven control logic, pump control, on-board diagnostics, and service information.

Block-up limit control is standard for hoist and whip lines.

Integrated Load Moment Indicator system (LMI) is standard for main boom and upper boom point. "Function cut-out" or "warning only" operation is selected via a keyed switch on the LMI console.

Optional: Travel and swing alarms.

Optional: Anemometer (wind indicator).

Hydraulic System

Six high-pressure piston pumps, driven by a multi-pump transmission, provide independent closed-loop hydraulic power for the hoisting drums, boom hoist, swing, left crawler and right crawler.

Hydraulic reservoir has 424 l (112 gal) capacity and is equipped with breather, clean out access, and internal diffuser.

Each function is equipped with relief valves to protect the hydraulic circuit from overload or shock.

System includes oil cooler and replaceable, spin-on, ten-micron full flow filter. All oil is filtered before entering the hydraulic pumps.

System	kg/cm² (psi)	lpm (gpm)
Hoisting Drums	422 (6,000)	598 (158)
Hoisting Drums	422 (6,000)	598 (158)
Boom Hoist & Auxiliary Drum	422 (6,000)	299 (79)
Swing	422 (6,000)	299 (79)
Left Crawler	422 (6,000)	299 (79)
Right Crawler	422 (6,000)	299 (79)

Optional: Independent front drum – 422 kg/cm² (6,000 psi) at 598 lpm (158 gpm) powered by travel pumps.

Optional: Double-motor swing system – 422 kg/cm² (6,000 psi) at 299 lpm (79 gpm).

Drums

Basic machine is equipped with a split rear drum shaft assembly. Right drum is 1 140 mm (44-9/10") wide and 572 mm (22-1/2") diameter. Left drum is 480 mm (18-9/10") wide and 572 mm (22-1/2") diameter. Drum shaft is antifriction bearing mounted and is driven by a variable-displacement hydraulic motor through a planetary reduction. Internal-expanding drum clutches are spring set, air released. External-contracting drum brakes are air applied, spring released. Parking brakes are spring set, air released. Drum rotation indicator is standard for each drum. Operator may select free-fall or powered lowering mode using a selector switch.

Optional: Two equal-split rear drums in place of standard drums. Each drum is 810 mm (31-9/10") wide and 572 mm (22-1/2") diameter.

Optional: Interlock that permits split rear drums to be used as single drum with two brakes. Recommended for concrete bucket operations.

Optional: Hydraulically powered auxiliary front drum 572 mm (22-1/2") diameter, 1 140 mm (44-9/10") wide rated at 133,4 kN (30,000 lb) line pull. For liftcrane, 963 mm (37.9") wide lagging provided. Drum shaft anti-friction bearing mounted on rotating bed. Drum anti-friction bearing mounted on shaft and equipped with internal-expanding clutch, external-contracting brake, and drum-rotation indicator. Includes third-drum control system. Bail limit is optional.

specifications

Optional: Other drum sizes, laggings, and additional drums.

Optional: Bolt-on 622 mm (24-1/2") laggings for liftcrane or clamshell applications.

Optional: Wire rope for various applications.

Boom Hoist

Independent boom hoist with two grooved drums, each 505 mm (19-7/8") wide and 584 mm (23") diameter. Includes 297,2 m (975') of (1") diameter wire rope for reeving 12 part boom hoist line.

Drums are powered by a variable-displacement hydraulic motor coupled to an integral brake and a planetary reduction gearbox. Ratcheting pawl and rotation indicator are standard.

Boom hoist speed: raise 91,4 m (300') full main boom from 0° - 82° in 2 minutes, 40 seconds.

Swing System

High strength fabricated steel alloy rotating bed is mounted on 2,95 m (9' 8") diameter triple-row roller bearing turntable.

Rotating bed's upper and lower modules are fabricated steel and connected by four power actuated pins. Hydraulic connection of upper and lower modules is made through H-FACT® hydraulic quick coupler. Enclosures are included on both sides of upper module.

Independent swing powered by a fixed displacement hydraulic motor coupled to a planetary reduction gearbox with internal brake. 360° positive swing lock.

Swing system maximum speed: 1.8 rpm.

Boom Support System

The 8,5 m (28') long retractable gantry provides the geometry to raise and support all combinations of boom and jib. The telescoping square-tube backhitch is equipped with power actuated locking pins.

Boom-hoist rope reeved through sheaves in the gantry and equalizer forms 12-part boom-hoist rigging, and high-strength steel straps connect the equalizer to the boom top.

Air cushioned boom stop and automatic boom stop are standard.

Gantry includes hydraulic raising cylinders capable of lifting the upperworks counterweight for installation and removal. Counterweight attaches to rotating bed with power actuated pins.

Counterweight

QTY.	ITEM	UNIT WEIGHT kg	UNIT WEIGHT lb	TOTAL WEIGHT kg	TOTAL WEIGHT lb
	Upperworks				
1	Tray	17 781	39,200	17 781	39,200
1	Center Box	16 783	37,000	16 783	37,000
6	Lower Side Box	7 031	15,500	42 186	93,000
	SERIES 1 TOTAL			**76 750**	**169,200**
	Upperworks				
2	Upper Side Box	9 072	20,000	18 144	40,000
	Carbody				
2	Center Box	13 608	30,000	27 216	60,000
	Optional: Add to **SERIES 1** for **SERIES 2 TOTAL**			**122 110**	**269,200**
	Upperworks				
2	Upper Side Box	9 072	20,000	18 144	40,000
	Carbody				
4	Side Box	6 804	15,000	27 216	60,000
	Optional: Add to **SERIES 2** for **SERIES 3 TOTAL**			**167 470**	**369,200**

Includes connecting pins, brackets, and stops.

Operator's Cab

Fully enclosed and insulated steel module mounted at left front corner of rotating bed on a pivoting frame that permits cab to be repositioned for transportation. Module is equipped with sliding door, large safety glass windows on all sides and roof. Signal horn, cab space heater, front and roof windshield wipers, dome light, sun visor and shade, fire extinguisher and air circulating fan are standard.

Optional: Air conditioning for operator's cab.

Optional: Nylon protective window covers.

Optional: 10,7 m (35') elevated cab, 1 320 mm (52") wide, with catwalks and railing.

Attachments

No. 44 Boom with Heavy-Lift Top

The liftcrane is equipped with a 21,3 m (70') No. 44 angle-chord boom consisting of a two-piece 12,2 m (40') butt and a 9,1 m (30') heavy-lift top with nine 762 mm (30") diameter roller bearing sheaves on one shaft. Includes rope guides, boom angle indicator, and a 594 kg (1,310 lb) hook and weight ball. The No. 44 boom utilizes steel suspension straps and Manitowoc's patented, exclusive FACT™ connection system consisting of two vertical pins, two horizontal connection pins, and alignment pads for each boom connection location. Because the 2250 uses steel-strap rigging, boom inserts from the M-250 cannot be used on the 2250.

Luffing jib preparation is standard.

Optional: 3,0 m (10'), 6,1 m (20'), and 12,2 m (40') No. 44 boom inserts with steel boom suspension straps, and FACT™ connection system.

Optional: Intermediate suspension, required for boom lengths of 85,3 m (280') or more.

Optional: Detachable upper boom point with one 762 mm (30") diameter tapered roller bearing steel sheave with rope guard, for liftcrane use on heavy-lift and long-reach boom tops. (Same upper point used on Models 777, 777T, 888, and M-250.)



No. 44 Long Reach Boom Top

Optional: 21,3 m (70') long reach top consisting of 9,1 m (30') transition insert and 12,2 m (40') top with three 762 mm (30") diameter straight-roller-bearing sheaves. Includes steel rigging straps, wire rope guide, and hardware for LMI.

FACT™ connectors at lower end of transition insert enable mounting to standard No. 44 boom inserts. Transition insert can be purchased with FACT™ or pin connectors at top, permitting either No. 133A (pinned) or No. 133 (FACT™) luffing jib top to also be used as long-reach top for No. 44 boom.

Optional: Intermediate suspension, required for boom lengths of 91,4 m (300') or more.



No. 132 Fixed Jib

Optional: 12,2 m (40') basic No. 132 fixed jib consists of 6,1 m (20') butt and 6,1 m (20') top, with 6,1 m (20') strut, pendants, backstay, and LMI hardware.

Optional: No. 132 fixed jib 6,1 m (20') inserts with pendants for total jib lengths to 36,6 m (120').

Use on Boom No. 44 with heavy-lift or long-reach boom top.



No. 133A or 133 Luffing Jib

Optional: 21,3 m (70') basic No. 133A (pin connected) or No. 133 (FACT™) luffing jib with LMI hardware consists of 9,1 m (30') butt and 12,2 m (40') top with three 762 mm (30") roller bearing sheaves and basic pendants, fixed strut, jib strut, backstay pendants, boom point guide wheel, luffing jib hoist with ratcheting pawl, quick-disconnect for luffing jib hoist piping, (7/8") luffing jib hoist line, and 476 mm (18-3/4") diameter grooved luffing drum.

Optional: 3,0 m (10'), 6,1 m (20'), and 12,2 m (40') No. 133A or 133 inserts with pendants for total jib lengths to 61,0 m (200').

Optional: Parts for outside-assist raising (where code permits).



No. 140 Fixed Jib

Optional: Basic 12,2 m (40') No. 140 fixed jib consists of 6,1 m (20') butt and 6,1 m (20') top, with 6,1 m (20') strut, pendants, backstay, and LMI hardware.

Optional: No. 140 fixed jib inserts 6,1 m (20') with pendants for total jib lengths to 36,6 m (120').

Use on No. 133A or 133 luffing jib.

Optional: Parts to convert No. 132 fixed jib to No. 140 fixed jib.



MAX-ER™ 2000

Components to make up 36,6 m (120') No. 79 boom including one 9,1 m (30') No. 79 boom butt, one 6,1 m (20') No. 79 boom insert, one 12,2 m (40') No. 79 boom insert with equalizer platform, one 7,6 m (25') No. 79 transition insert, one 1,52 m (5') No. 79 boom top (15 sheaves), deflector sheave assembly (3 sheaves), boom equalizer (5 sheaves), steel rigging straps, and LMI hardware for No. 79 boom top.

Automatic boom stop, air-cushioned physical boom stop, and 793 m (2,600') of boom hoist wire rope (can be used as load line on 2250 crane). Components to make up 39,6 m (130') No.44 mast including one 12,2 m (40') No.44 mast butt, one 12,2 m (40') No.44 mast top (5 sheaves), physical mast stop, wire rope guide, and steel rigging straps.

Note: Requires use of 3,0 m (10') No. 44 boom insert and 12,2 m (40') No. 44 boom insert from 2250 liftcrane.

Main hoist drum assembly grooved for 29 mm or (1-1/8") wire rope mounted in No. 79 boom butt.

Integrated boom and mast adaptor frame.

Note: 2250 liftcrane requires MAX-ER 2000 preparation, Series 2 counterweights on carbody, and Series 1 counterweights on upperworks.

Note: The MAX-ER 2000 attachment cannot be used on an existing model 2250 liftcrane without modification, and cannot be used on M-250 model.

The MAX-ER 2000 attachment uses up to 209 560 kg (462,000 lb) of MAX-ER counterweight supported on a carrier behind the basic crane. The MAX-ER counterweight is attached to the top of the mast by straps and to the rear of the 2250's upperworks by an adaptor arm and trailer arm inserts.

specifications

The MAX-ER counterweight can be carried by a hanging counterweight tray or a wheeled counterweight carrier. The wheeled counterweight carrier uses eight large off-road vehicle tires, which can be positioned for traveling, crabbing, or swinging. It also includes hydraulic support jacks and pads.

Either counterweight assembly can be positioned 9,14 m (30'); 12,2 m (40'); or 15,2 m (50') behind the 2250's centerline of rotation to meet the capacity requirements of an individual lift.

ITEM	QTY	UNIT WEIGHT		TOTAL WEIGHT	
		kg	lb	kg	lb
Wheeled Carrier	1	34 609	76,300	34 609	76,300
Counterweight Boxes					
Lower Side*	12	5 897	13,000	70 760	156,000
Lower Center**	6	6 441	14,200	38 646	85,200
Upper Side - Right***	2	9 072	20,000	18 144	40,000
Upper Side - Left***	2	9 072	20,000	18 144	40,000
Upper Center*	4	6 804	15,000	27 216	60,000
Adaptor Plate - Front	2	454	1,000	907	2,000
Adaptor Plate - Rear	2	502	1,106	1 003	2,212
Miscellaneous parts	1	131	288	131	288
				209 560	**462,000**

* Optional: 8 each 8 845 kg (19,500 lb).
** Optional: 4 each 9 639 kg (21,250 lb).
***From Model 2250 Series 3 Crane.

Optional: 12,2 m (40') No. 79 boom insert with stowable steel rigging straps and wire rope guides, one required in boom rigging for all boom lengths over 36,6 m (120').

Optional: 12,2 m (40') No. 79 boom insert with stowable steel rigging straps for boom lengths over 48,8 m (160') up to 109,7 m (360').

Optional: 4,6 m (15') No. 79-44 transition insert with wire rope guide and stowable steel rigging straps for use of No. 44 boom insert(s) and top for long-reach boom

Optional: No. 44 luffing jib. Components to make up 21,3 m (70') basic luffing jib include a 15,2 m (50') jib strut with 7 sheaves, 14,3 m (47') main strut with 7 sheaves, jib strut stop, luffing jib stop, main luffing strut backstay straps, basic luffing jib steel rigging straps, combination upper point and luffing jib raising wheel, luffing drum assembly, 549 m (1,800') luffing drum wire rope, and wire rope guide(s) as required.

Note: Basic luffing jib utilizes 12,2 m (40'), No. 44 boom butt and 9,1 m (30') No. 44 boom top from 2250 liftcrane. Luffing jib also uses No. 44 boom inserts and straps from 2250 liftcrane for luffing jib lengths greater than 21,3 m (70').

Optional: 408-mton (450-ton) load block with duplex hook

Optional: 227-mton (250-ton) load block with duplex hook

Optional: Liftcrane load line 29 mm or (1-1/8") rotation resistant.

Optional: Components to allow for self-assembly of boom and other components utilizing mast, boom hoist drum, and boom equalizer.

M-1200 RINGER®

18,3 m (60') diameter ring structure with wear plates, crawler side frame attaching beams and "RINGER–SWINGER®" gear segments.

RINGER support pedestals with manual screw style adjustments.

Hydraulic jacking system, including jacks, controls and ring leveling gauge.

Boom carrier with boom and mast hinge pins. Carrier includes mounting for Model M-1200 hoist drum.

Counterweight carrier with attachment beams to machine rear and counterweight lift indicator in operator's cab.

Optional: 714 811 kg (1,577,600 lb) of counterweight for 800-mton (900-ton) rating.

Optional: 914 175 kg (2,017,000 lb) of counterweight for 1 300-mton (1,433-ton) rating.

No. 75A boom attachment 800-mton (900-ton) capacity.

45,7 m (150') No. 75A basic boom, including 15,2 m (50') No. 75A butt, 15,2 m (50') No. 75A insert and 15,2 m (50') No. 75 top.

45,7 m (150') No. 75A mast including 7,6 m (25') No. 75 mast butt, two 15,2 m (50') No. 75A inserts, 7,6 m (25') No. 75 mast top, counterweight straps and backhitch straps.

Mast self-erect system, steel strap rigging, equalizer, and boom hoist wire rope for 32-part boom hoist reeving for No. 72 boom.

Air-cushioned physical boom stop, air automatic boom stop, boom angle indicator.

No. 75A 800-mton (900-ton) boom point with sixteen 1067 mm (42") diameter sheaves grooved for (1-5/8") diameter rope.

RINGER® travel assist system.

Two "RINGER-SWINGER®" assemblies.

Single-drum Model M-1200 hoist, complete with lagging grooved for (1-5/8") wire rope, hydraulic power provided by 2250 liftcrane, for load hoist drum.

Optional: 7,6 m (25') and 15,2 m (50') No. 75 boom inserts and rigging straps for total boom lengths to 121,9 m (400').

No. 72A boom attachment.

The following components must be added to the No. 75A boom attachment to achieve a No. 72A liftcrane attachment for the M-1200 RINGER.

Conversion to two drum M-1200 hoist [each drum includes lagging grooved for (1-5/8") wire rope], including additional Cummins N14-C450 diesel engine rated at 335 kW (450 HP), which supplements total load hoist and swing capability.

46,6 m (153') No. 72A boom, including 15,2 m (50') butt, one 15,2 m (50') insert and 15,2 m (50') transition insert with 0,9 m (3') boom top/jib adaptor. Strap rigging, equalizer and boom hoist wire rope for 36-part reeving in place of 32-part reeving.

Two additional "RINGER-SWINGER®" assemblies and interconnecting piping.

Optional: 7,6 m (25') and 15,2 m (50') No. 72A boom inserts and rigging straps for total boom lengths to 122,8 m (403').

Optional: (1-5/8") wire rope for load line and (1-1/8") wire rope for whip line.

Optional: 1 300-mton (1,433-ton) lower point.

Optional: 1 300-mton, (1,433-ton) load block with quad hook and hanger block.

Optional: No. 72A to No. 75 boom picture frame insert for making No. 72A-75 combination boom.

The 914 175 kg (2,017,600 lb) of counterweight required for 1 300-mton (1,433-ton) rating can be supplied by Manitowoc.

No. 75 Jib

Optional: 30,4 m (100') No. 75 jib, backstay straps and rigging components utilizes No. 75 boom top and butt from 800-mton (900-ton) lift attachment and No. 44 boom from 2250 for jib strut.

Optional: 7,6 m (25') and 15,2 m (50') No. 75 inserts and straps for total lengths up to 76,2 m (250').

MAX-RINGER™ suspended counterweight attachment
Suspended counterweight attachment consists of structural backhitch links at the No. 75A mast top, structural backhitch straps, and suspended counterweight tray. Counterweight for the suspended counterweight attachment will be quoted upon request or may be customer supplied.

No. 182 structural fixed jib for No. 72A boom

Single piece 15,2 m (50') structural jib and jib strut pin to No. 72A boom top and utilize the 800-mton (900-ton) boom point from the No. 75 fixed jib. Rigging consists of structural straps, links and pins.

Optional: Front auxiliary drum, with ratchet and pawl. Includes hydraulic piping and liftcrane lagging grooved for (1-1/8") rope.

NOTE: Auxiliary drum cannot run simultaneously with M-1200 main hoist drums

Optional: 80-mton (88-ton) upper boom point assembly for use with No. 75A boom, No. 72A boom, or No. 75 jib.

Consult Manitowoc Sales department for other options.

Lowerworks

Carbody

Connects rotating bed and crawler frames. Fabricated steel rotating bed lower module mounts to single-piece carbody by 2,9 m (9' 8") diameter triple-row roller bearing turntable. Each crawler frame is mounted to the carbody with FACT™ connection system power-actuated pins. Crawler drive motors are mounted on carbody. Permits crawler removal without opening travel drive hydraulic circuit.

Crawlers

Crawler assemblies are 9,40 m (30' 9") long with 1,22 m (48") wide cast steel crawler pads and sealed “low maintenance” intermediate rollers. Each crawler is powered independently by a variable displacement hydraulic motor. Carbody mounted drive motors are connected to crawler final reduction via telescoping shafts. This permits crawlers to be removed without opening their hydraulic circuits. Crawlers provide ample tractive effort for counter rotation with full rated load.

Maximum ground speed of 1,61 kph (1.0 mph).

Optional: 1 220 mm (48") wide flattened treads for 1 149 mm (45-1/4") hard surface bearing width [instead of 514 mm (20-1/4") bearing width of standard treads].

Optional: 1 524 mm (60") wide treads (no self erect option allowed).

specifications

Optional Equipment

Optional: Self-erect system, includes two wire rope guides for crawler handling, boom butt handling cylinder, upperworks jacking cylinders with pads, alignment device, four carbody support pedestals, 41-mton (45-ton) assembly block, crawler handling chains, 48,7 m (160') of (1-1/8") diameter rigging line.

Optional: Blocks and Hooks, each with 762 mm (30") roller-bearing sheaves for 29 mm or (1-1/8") wire rope, a roller-bearing swivel hook, a hook latch, and a swivel lock.

13,6-mton (15-ton) swivel hook and weight ball

41-mton (45-ton) hook block with one sheave [assembly block]

54-mton (60-ton) hook block with two sheaves

91-mton (100-ton) hook block with three sheaves

272-mton (300-ton) hook block with nine sheaves and a duplex swivel hook

Optional: Wire rope for various applications.

Optional: Equipment and testing for special code compliance.

Optional: Preparation for MAX-ER™ 2000.

Optional: Preparation for M-1200 RINGER®.

Optional: Hydraulic Test Kit: required to properly analyze the performance of the EPIC® control system.

Optional: Service Interval Kits: for the regularly scheduled maintenance of general crane operations.

Optional: Lighting Packages: consult dealer for available options.

Optional: Special Paint [color(s) other than Manitowoc standard red and black].

Optional: Custom vinyl decal(s) of customer name and/or logo from artwork supplied by customer.

Optional: Export Packaging: basic crane, boom and jib sections. MAX-ER™ and RINGER® export packaging available.

Optional Applications

Clamshell/Material Rehandling

Conversion from Liftcrane To Material Rehandling Clamshell 18 144 kg (40,000 lb) Rating [No. 44 Heavy Lift Boom only]

Single front drum in addition to split rear drum. Front drum and right rear drums are equipped with laggings 622 mm (24-1/2") in diameter, 1 141 mm (44-29/32") wide, and grooved for (1-1/4") wire rope. Tapered pins for rotating bed connection. Pressure rollers for right rear and front drum. Tagline, Rud-O-Matic No. 1866, three barrel with 762 mm (30") wheel. Delete H-FACT® in rotating module and powered pins in crawlers.

Conversion from Liftcrane to 22 681 kg (50,000 lb) Material Rehandling / 18 144 kg (40,000 lb) Digging Clamshell [No. 44 Heavy-Lift Boom only].

Full width front and rear drums, each 1 694 mm (66-5/8") wide, 572 mm (22-1/2") in diameter, driven independently, and equipped with double brakes. Each drum also equipped with lagging 1 143 mm (45") wide, 622 mm (24-1/2") in diameter, and grooved for (1-3/8") wire rope. Tapered pins for rotating bed connection. Pressure rollers for front and rear drums. Hydraulic tagline. Second swing drive and larger swing pump. Cummins N14-C525 engine rated 391 kW (525 BHP) at 2100 RPM in place of standard engine. Duty cycle upper boom point with two 1 190 mm (47") diameter sheaves. Continuous-length boom-support pendants for the boom length purchased, in place of standard steel straps. Delete H-FACT® in rotating module and powered pins in crawlers. Delete Load Moment Indicator (LMI) system.

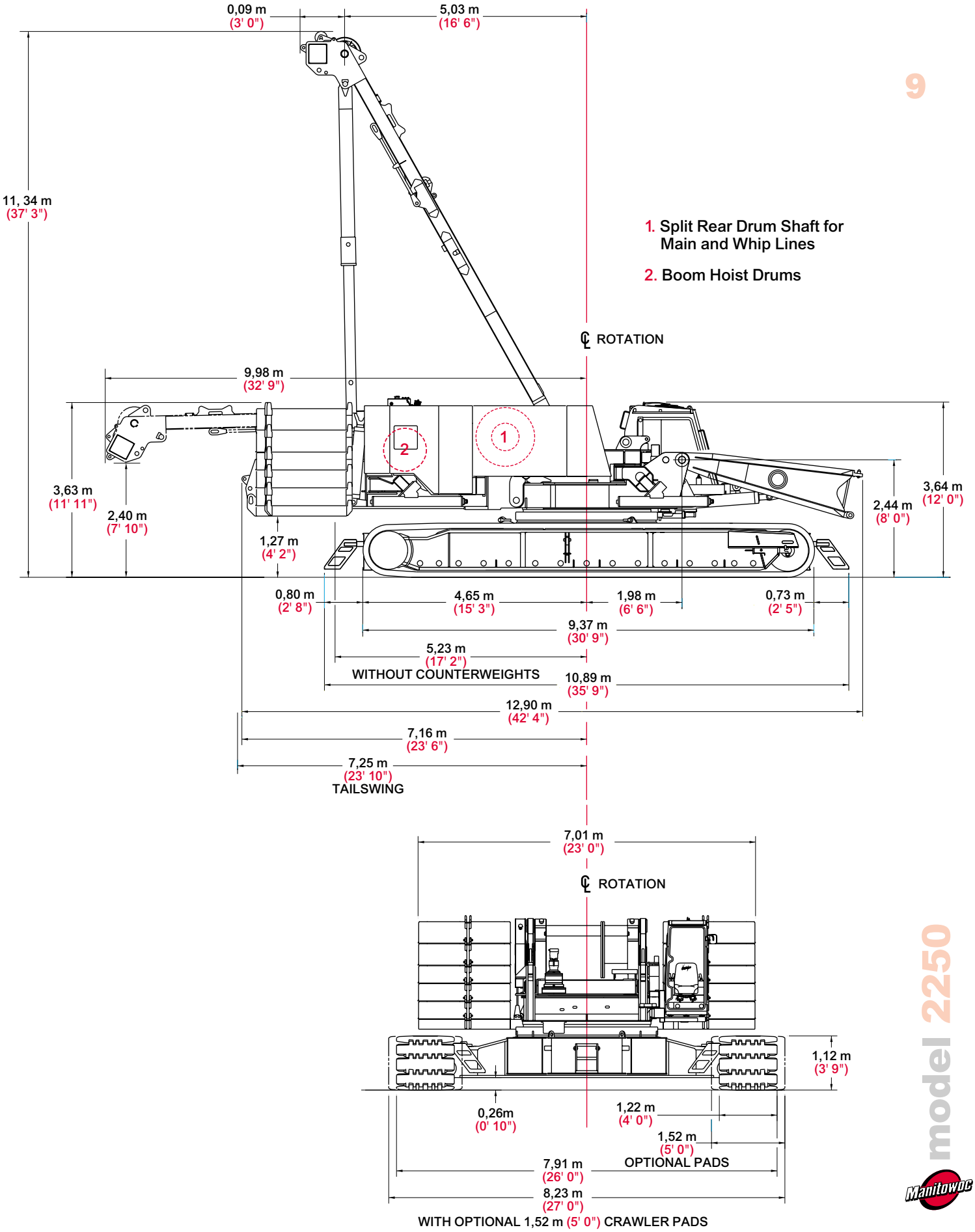
Optional: Boom inserts and continuous-length boom pendants in 3,1 m (10') increments for boom lengths from 24,4 m (80') to 42,7 m (140').

No. 136 Container Handling Jib

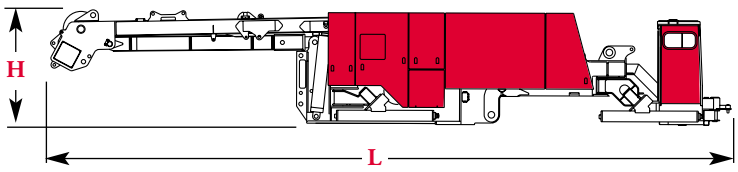
Conversion from Liftcrane to No. 136 Container Handling jib.

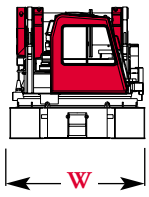
Equal-split rear drum assembly, with two drums, each 810 mm (31-9/10") wide, in place of standard unequal-split rear drum. Liftcrane laggings for both drums, 810 mm (31-9/10") wide, 622 mm (24-1/2") in diameter and grooved for 29 mm or (1-1/8") rope. Tapered pins for rotating bed connection. Block up limit for No. 44 boom and No. 136 luffing jib. 24,4 m (80') No. 44 boom in place of 21,3 m (70') basic boom. 21,3 m (70') basic No. 136 luffing jib for layout assembly consisting of pin connected 6,1 m (20') jib butt, 15,2 m (50') top with two 762 mm (30") diameter sheaves spread 1 520 mm (60") apart to provide horizontal stability of the container, basic pendants, fixed strut, jib strut, backstay pendants, boom point guide wheel, luffing jib hoist with ratchet and pawl, and (7/8") luffing jib line. Hydraulic container tagline system. Slack-rope detection with visual and audible alarm in operator's cab. Two 27-mton (30-ton) single sheave hook blocks. Delete H-FACT® and power pins in rotating module. Delete Load Moment Indicator (LMI). Delete 594 kg (1,310 lb) hook and weight ball. Delete powered pins in crawlers.

outline dimensions



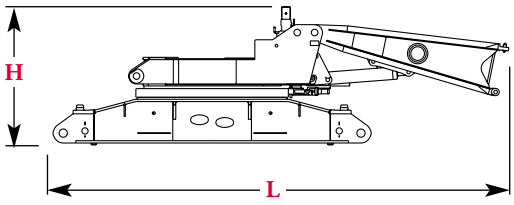
outline dimensions





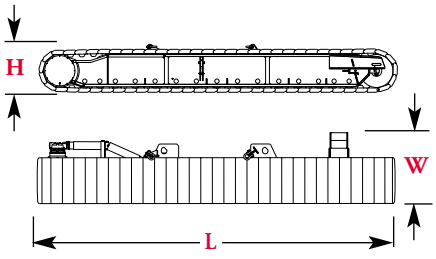
Upperworks Module		x 1
Length	13,16 m	43' 2"
Width	3,00 m	9' 10"
Height	2,18 m	7' 2"
Weight	38 563 kg	85,020 lb

Note: Weight includes rotating bed rear section, diesel power plant, operator's cab, gantry, gantry lifting cylinders, boom hoist with wire rope, equalizer, split rear drum shaft with hoist and whip lines, optional self assembly jacks, full hydraulic fluid reservoir, and half tank of fuel.

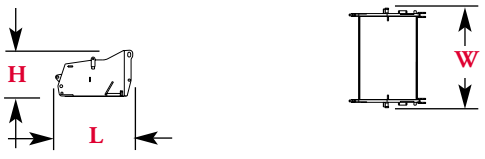


Carbody, Rotating Module & Lower Boom Butt 3,7 m (12')		x 1
Length	8,81 m	28' 11"
Width	2,95 m	9' 8"
Height	2,63 m	8' 8"
Weight	29 187 kg	64,350 lb

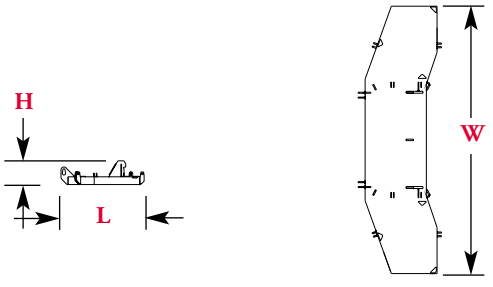
Note: Weight includes turntable bearing, one swing drive, rotating union, 3,7 m (12' 0") lower boom butt, optional boom-butt handling cylinder, and four carbody support pedestals.



Crawlers		x 2
Length	9,37 m	30' 9"
Width	2,21 m	7' 3"
Height	1,26 m	4' 2"
Weight	24 412 kg	53,820 lb



Upper Center Counterweight		x 1
Length	2,08 m	6' 10"
Width	2,72 m	8' 11"
Height	1,27 m	4' 2"
Weight	16 782 kg	37,000 lb



Counterweight Tray		x 1
Length	2,19 m	7' 2"
Width	6,99 m	22' 11"
Height	0,64 m	2' 1"
Weight	17 742 kg	39,115 lb

Note: Weight includes lifting frames.

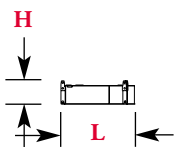


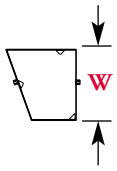
Side Counterweight		x 6
Length	2,01 m	6' 7"
Width	1,93 m	6' 4"
Height	0,48 m	1' 7"
Weight	7 030 kg	15,500 lb

Note: Three each of left- and right-side configurations required.

Option

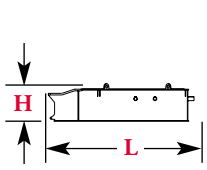
outline dimensions

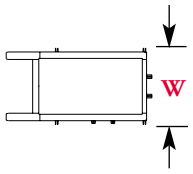




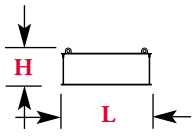
Side Counterweight Series 2, 3		x 2, 4
Length	2,01 m	6' 7"
Width	1,93 m	6' 4"
Height	0,58 m	1' 11"
Weight	9 071 kg	20,000 lb

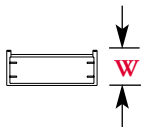
Note: Left- and right-side configurations are required.



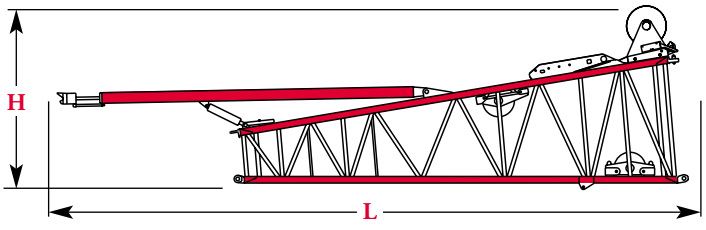


Carbody Center Counterweight Series 2, 3		x 2
Length	3,45 m	11' 4"
Width	1,80 m	5' 11"
Height	0,89 m	2' 11"
Weight	13 607 kg	30,000 lb

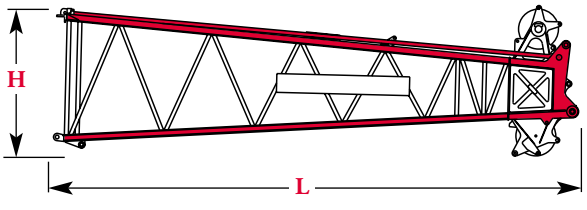




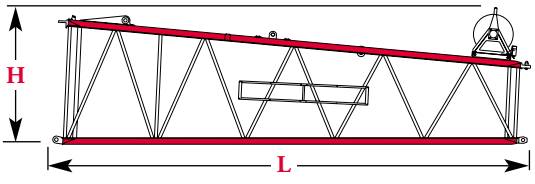
Carbody Side Counterweight Series 3		x 4
Length	2,18 m	7' 2"
Width	0,86 m	2' 10"
Height	0,89 m	2' 11"
Weight	6 803 kg	15,000 lb



No. 44 Upper Boom Butt 8,5 m (28') & Wire Rope Guide, Boom Stop		x 1
Length	11,94 m	39' 2"
Width	2,59 m	8' 6"
Height	3,45 m	11' 4"
Weight	5 194 kg	11,450 lb



No. 44 Boom Top 9,1 m (30') & Wire Rope Guide, Straps, Lower Point		x 1
Length	10,06 m	33' 0"
Width	2,59 m	8' 6"
Height	2,90 m	9' 6"
Weight	5 657 kg	12,475 lb

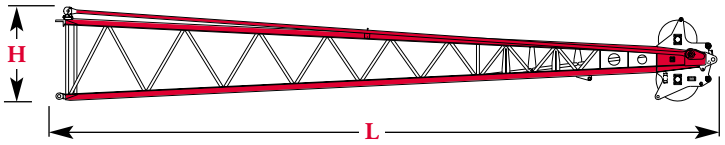


No. 44 Long Reach Transition Insert 9,1 m (30') & Wire Rope Guide, Straps		x 1
Length	9,63 m	31' 7"
Width	2,59 m	8' 6"
Height	2,64 m	8' 8"
Weight	2 179 kg	4,805 lb

Note: Must specify if to be used with pin or FACT™ connections for long reach boom top.

Option

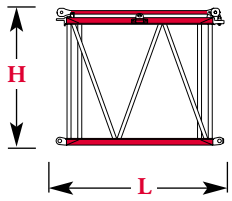
outline dimensions



No. 44 Long Reach Boom Top 12,2 m (40') & Wire Rope Guide, Lower Point, Straps x 1

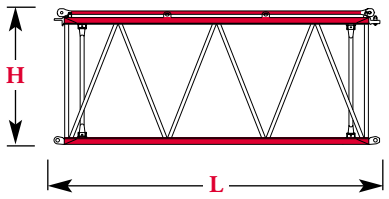
Length	13,06 m	42' 10"
Width	2,08 m	6' 10"
Height	1,83 m	6' 0"
Weight	3 529 kg	7,785 lb

Note: Can be used as No. 133A or No. 133 luffing jib top.



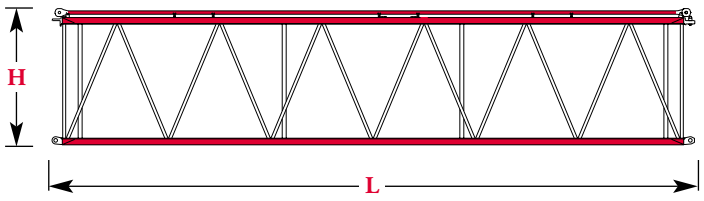
No. 44 Boom Insert 3,0 m (10') & Straps x 1, 2

Length	3,23 m	10' 7"
Width	2,59 m	8' 6"
Height	2,59 m	8' 6"
Weight	1 015 kg	2,240 lb



No. 44 Boom Insert 6,1 m (20') & Straps x 1, 2

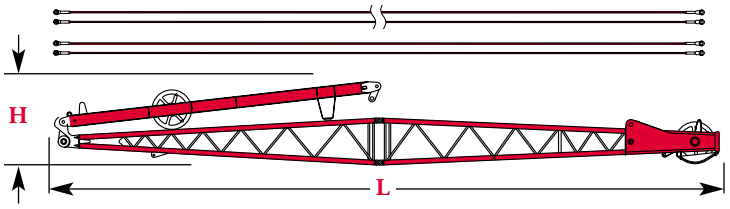
Length	6,28 m	20' 7"
Width	2,59 m	8' 6"
Height	2,59 m	8' 6"
Weight	1 724 kg	3,805 lb



No. 44 Boom Insert 12,2 m (40') & Straps x 1, 2, 3, 4, 5

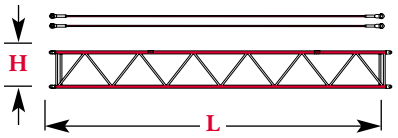
Length	12,38 m	40' 7"
Width	2,59 m	8' 6"
Height	2,59 m	8' 6"
Weight	2 946 kg	6,500 lb
Light Weight	2 415 kg	5,330 lb

Note: One light weight insert required for lengths above 82,3 m (270') with heavy-lift top or for lengths above 88,4 m (290') with long-reach top.



No. 132 Fixed Jib 12,2 m (40') & Strut, Pendants x 1

Length	12,78 m	41' 11"
Width	1,22 m	4' 0"
Height	1,60 m	5' 3"
Weight	2 604 kg	5,740 lb

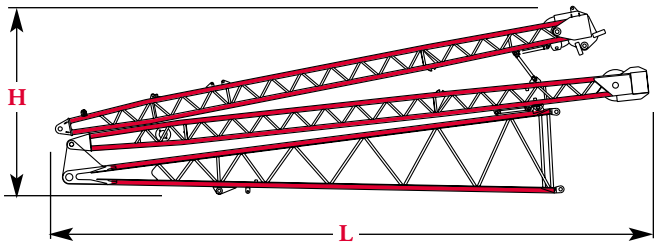


No. 132 Jib Insert 6,1 m (20') & Pendants x 1, 2, 3, 4

Length	6,25 m	20' 6"
Width	1,22 m	4' 0"
Height	0,91 m	3' 0"
Weight	466 kg	1,030 lb

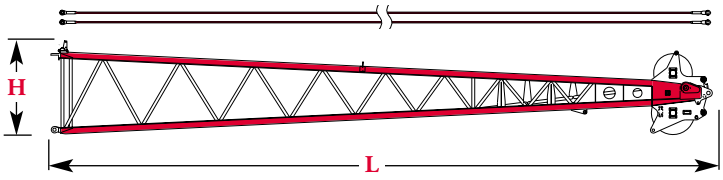
Option

outline dimensions



No. 133A or 133 Luffing Jib Butt 9,1 m (30') & Struts x 1

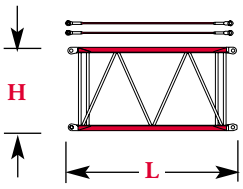
Length	11,21 m	36' 10"
Width	2,07 m	6' 10"
Height	3,46 m	11' 4"
Weight	7 793 kg	17,180 lb



No. 133A or 133 Luffing Jib Top 12,2 m (40') & Wire Rope Guide, Lower Point, Pendants x 1

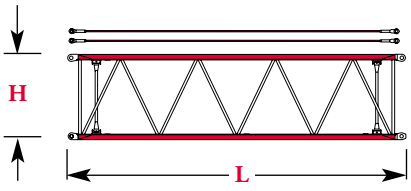
Length	13,06 m	42' 10"
Width	2,08 m	6' 10"
Height	1,65 m	5' 5"
Weight	3 649 kg	8,045 lb

Note: Can be used as long-reach top for No. 44 boom when combined with No. 44 long-reach transition insert 9,1 m (30').



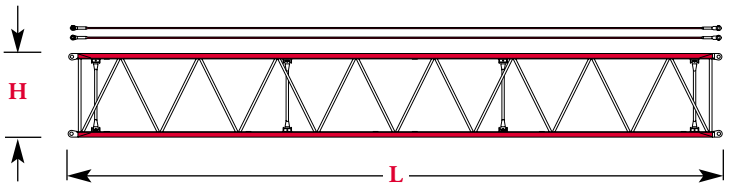
No. 133A or 133 Luffing Jib Insert 3,0 m (10') & Pendants x 1

Length	3,18 m	10' 5"
Width	2,07 m	6' 10"
Height	1,65 m	5' 5"
Weight	559 kg	1,235 lb



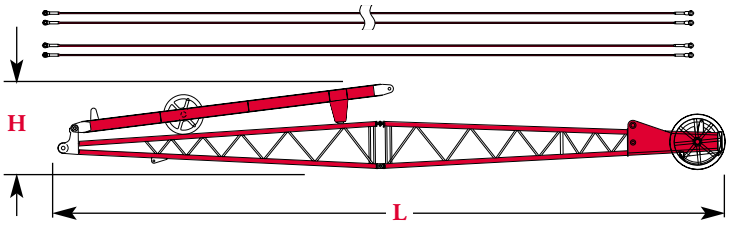
No. 133A or 133 Luffing Jib Insert 6,1 m (20') & Pendants x 1

Length	6,22 m	20' 5"
Width	2,07 m	6' 10"
Height	1,65 m	5' 5"
Weight	960 kg	2,120 lb



No. 133A or 133 Luffing Jib Insert 12,2 m (40') & Pendants x 1

Length	12,32 m	40' 5"
Width	2,07 m	6' 10"
Height	1,65 m	5' 5"
Weight	1 712 kg	3,780 lb

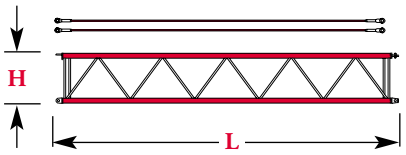


No. 140 Fixed Jib 12,2 m (40') & Strut, Pendants x 1

Length	12,78 m	41' 11"
Width	1,22 m	4' 0"
Height	1,63 m	5' 4"
Weight	2 975 kg	6,558 lb

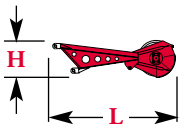
Option

outline dimensions



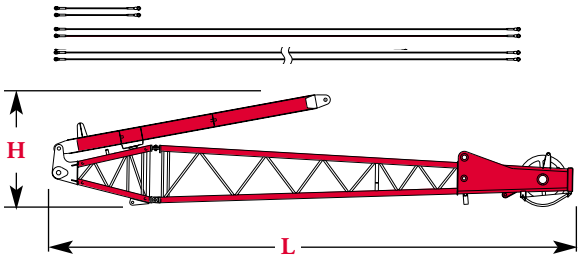
No. 140 Jib Insert 6,1 m (20') & Pendants x 1, 2, 3, 4

Length	6,20 m	20' 4"
Width	1,22 m	4' 0"
Height	0,91 m	3' 0"
Weight	467 kg	1 030 lb



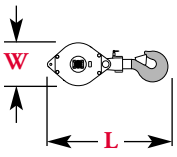
Upper Boom Point x 1

Length	2,64 m	8' 8"
Width	0,41 m	1' 4"
Height	0,81 m	2' 8"
Weight	421 kg	930 lb



Extended Upper Boom Point 6,1 m (25') & Strut, Pendants x 1

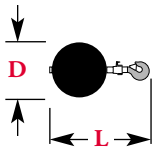
Length	8,28 m	27' 2"
Width	1,22 m	4' 0"
Height	1,80 m	5' 11"
Weight	2 381 kg	5,250 lb



Hook block for 28 mm (1-1/8") wire rope

Capacity	272 mt	300 t	Length	2,41 m	7' 11"
Weight	4 268 kg	9,410 lb	Width	1,14 m	3' 9"
Capacity	91 mt	100 t	Length	1,98 m	6' 6"
Weight	1 770 kg	3,900 lb	Width	0,89 m	2' 11"
Capacity	54 mt	60 t	Length	1,80 m	5' 11"
Weight	921 kg	2,030 lb	Width	0,89 m	2' 11"
Capacity	41 mt*	45 t*	Length	1,83 m	6' 0"
Weight	1 179 kg	2,600 lb	Width	0,91 m	3' 0"

*Assembly block



Weight Ball

Capacity/Swivel	13,5 mt	15 t	Diameter	0,46 m	1' 6"
Weight	594 kg	1,310 lb	Length	1,22 m	4' 0"

Option

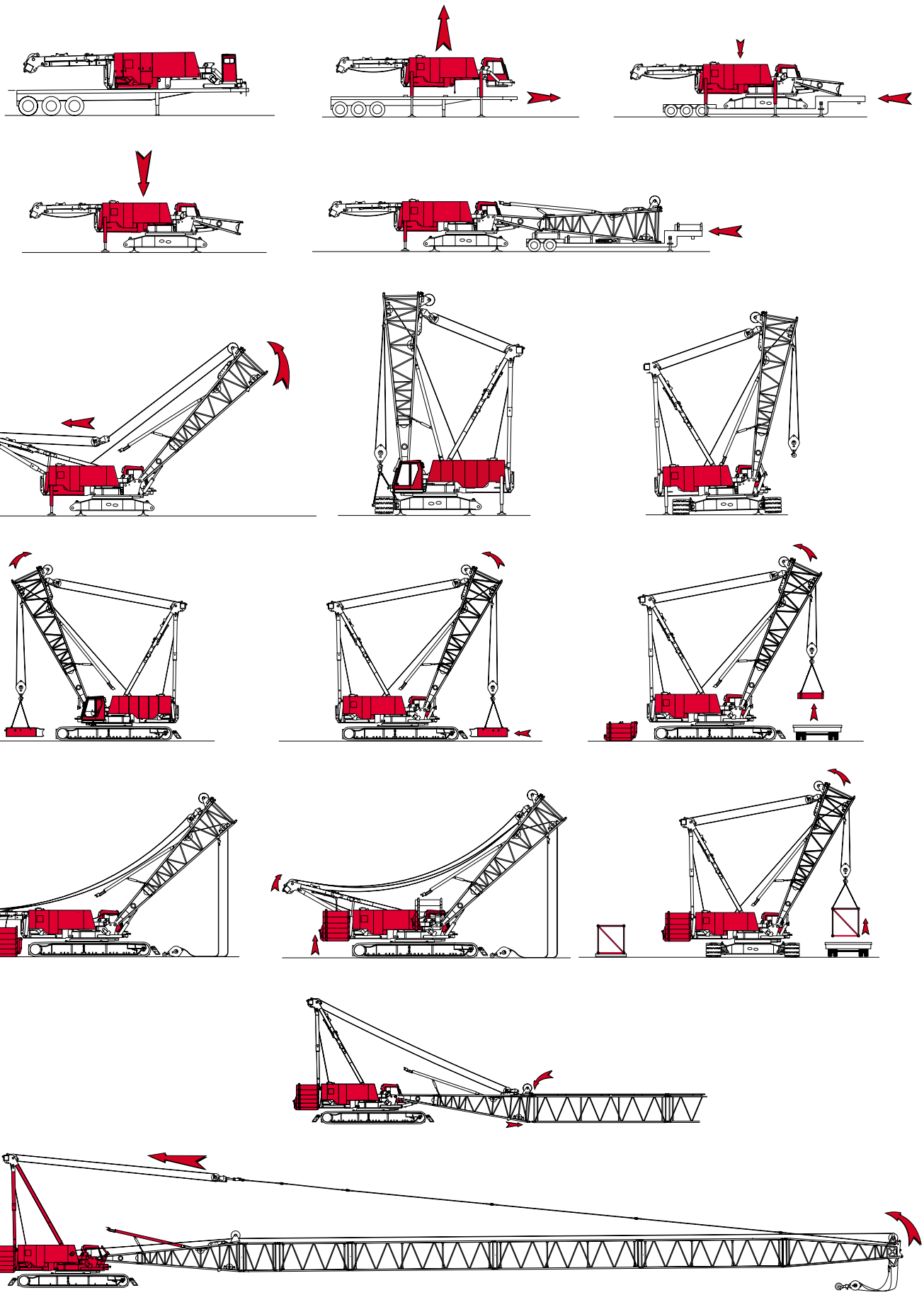
Trailer Load Out Summary

Model 2250 Series 3
No. 132 Fixed Jib 36,6 m (120') and
No. 44 Boom 91,4 m (300')

Item	Weight each Item kg (lb)	Quantity on Trailer Load # 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Upperworks Module	38 563 (85,020)	1														
Carbody, Rotating Module and Lower Boom Butt	29 187 (64,350)		1													
Crawler Assembly	24 412 (53,820)			1	1											
Upper Center Counterweight	16 782 (37,000)												1			
Counterweight Tray & Lifting Frames	17 742 (39,115)													1		
Side Counterweight Series 1, 2, 3	7 030 (15,500)									2	2	2				
Side Counterweight Series 2,3	9 071 (20,000)					1	1	1	1							
Carbody Center Counterweight Series 2,3	13 607 (30,000)														1	1
Carbody Side Counterweight Series 3	6 803 (15,000)							1	1						1	1
8,5 m (28') No. 44 Upper Boom Butt	5 194 (11,450)					1										
9,1 m (30') No. 44 Boom Top & Straps	5 657 (12,475)						1									
3,0 m (10') No. 44 Boom Insert & Straps	1 015 (2,240)													1		
6,1 m (20') No. 44 Boom Insert & Straps	1 724 (3,805)												1			
12,2 m (40') No. 44 Boom Insert & Straps	2 946 (6,500)							1	1	1*	1	1				
12,2 m (40') No. 132 Basic Jib, Strut & Pendants	2 604 (5,740)										1**					
6,1 m (20') No. 132 Jib Insert	466 (1,030)											2**	1	1		
272 mton (300 ton) Hook Block	3 628 (8,000)						1									
41 mton (45 ton) Assembly Hook Block	1 179 (2,600)					1										
13,6 mton (15 ton) Weight Ball	594 (1,310)					1										
No. 44 Upper Boom Point	421 (930)					1										
Miscellaneous	907 (2,000)					1				1						
Approximate Total Shipping Weight kg (lb)		38 563 (85,020)	29 187 (64,350)	24 412 (53,820)	24 412 (53,820)	17 366 (38,290)	18 356 (40,475)	18 820 (41,500)	18 820 (41,500)	17 382 (38,330)	19 610 (43,240)	17 938 (39,560)	18 972 (41,835)	19 223 (41,385)	20 410 (45,000)	20 410 (45,000)

*12,2 m (40') No. 44 Light Weight insert 2 417 kg (5,330 lb).
**Jib inside of 12,2 m (40') No. 44 insert.
Trailer configurations - (#1) 3 axle flat; (#2) 3 axle double drop 0,61 m (24") or lower; (#3-4) 3 axle step or flat; (#5) double drop; (#6-11) step deck; (#12-15) flat.

assembly



Note: Read the assembly folio in the operator's manual for a complete description of approved crane assembly procedures.

Wire Rope Lengths
Boom No. 44 with Heavy-Lift Top
- or -
Fixed Jib No. 132 on
Boom No. 44 with Heavy-Lift Top

Boom or Boom and Fixed Jib Length	Whip Line Left Rear or Front Drum								Hoist line Right Rear Drum		
	(1 Part of Line)		(2 Parts of Line)		(3 Parts of Line)		(4 Parts of Line)				Maximum Required Parts of Line
m (ft)	m	(ft)	m	(ft)	m	(ft)	m	(ft)	m	(ft)	
21,3 (70)	58	(190)	84	(275)	–	–	–	–	442	(1,450)	18
24,4 (80)	64	(210)	91	(300)	–	–	–	–	495	(1,625)	18
27,4 (90)	70	(230)	99	(325)	–	–	–	–	526	(1,725)	17
30,5 (100)	76	(250)	107	(350)	–	–	–	–	549	(1,800)	16
33,5 (110)	82	(270)	114	(375)	–	–	–	–	549	(1,800)	13
36,6 (120)	88	(290)	130	(425)	–	–	–	–	549	(1,800)	13
39,6 (130)	94	(310)	137	(450)	–	–	–	–	549	(1,800)	12
42,7 (140)	101	(330)	145	(475)	–	–	–	–	610	(2,000)	12
45,7 (150)	107	(350)	152	(500)	–	–	–	–	610	(2,000)	11
48,8 (160)	113	(370)	160	(525)	–	–	–	–	610	(2,000)	10
51,8 (170)	119	(390)	175	(575)	221	(725)	282	(925)	610	(2,000)	10
54,9 (180)	125	(410)	183	(600)	236	(775)	297	(975)	625	(2,050)	10
57,9 (190)	131	(430)	191	(625)	251	(825)	312	(1,025)	625	(2,050)	9
61,0 (200)	137	(450)	198	(650)	259	(850)	328	(1,075)	625	(2,050)	8
64,0 (210)	143	(470)	206	(675)	274	(900)	343	(1,125)	625	(2,050)	8
67,1 (220)	149	(490)	221	(725)	282	(925)	358	(1,175)	625	(2,050)	8
70,1 (230)	155	(510)	229	(750)	297	(975)	373	(1,225)	625	(2,000)	7
73,2 (240)	162	(530)	236	(775)	312	(1,025)	387	(1,270)	625	(2,050)	7
76,2 (250)	168	(550)	244	(800)	320	(1,050)	–	–	625	(2,050)	6
79,2 (260)	174	(570)	251	(825)	335	(1,100)	–	–	625	(2,050)	6
82,3 (270)	180	(580)	259	(850)	343	(1,125)	–	–	625	(2,050)	6
85,3 (280)	186	(610)	274	(900)	358	(1,175)	–	–	625	(2,050)	5
88,4 (290)	192	(630)	282	(925)	373	(1,225)	–	–	625	(2,050)	5
91,4 (300)	198	(650)	290	(950)	381	(1,250)	–	–	625	(2,050)	5
94,5 (310)	201	(660)	297	(975)	–	–	–	–	–	–	–
97,5 (320)	207	(680)	305	(1,000)	–	–	–	–	–	–	–
100,6 (330)	213	(700)	312	(1,025)	–	–	–	–	–	–	–
103,6 (340)	219	(720)	328	(1,075)	–	–	–	–	–	–	–
106,7 (350)	226	(740)	335	(1,100)	–	–	–	–	–	–	–
109,7 (360)	232	(760)	343	(1,125)	–	–	–	–	–	–	–
112,8 (370)	238	(780)	351	(1,150)	–	–	–	–	–	–	–

Note: Line lengths given in table will allow hook to touch ground. When block travel below ground is required, add additional rope equal to parts of line times added travel distance. Hoisting distance or line pull may be limited when block travel below ground is required. Maximum hook travel for upper boom point application may be restricted when whip line length exceeds 357 m (1,170') using 622 mm (24-1/2") diameter lagging on left rear drum.

Drums each provide 133 kN (30,000 lb) maximum single line pull.

Wire Rope Lengths
Luffing Jib No. 133A or No. 133 on
Boom No. 44 with Heavy-Lift Top

Boom and Luffing Jib Length	Luffing Jib Whip Line Left Rear Drum		Luffing Jib Hoist Line Right Rear Drum when equipped with Split Rear Drums Front Drum when equipped with Tandem Drums											
	(1 Part of Line)		(7 Parts of Line)		(6 Parts of Line)		(5 Parts of Line)		(4 Parts of Line)		(3 Parts of Line)		(2 Parts of Line)	
m (ft)	m	(ft)	m	(ft)	m	(ft)	m	(ft)	m	(ft)	m	(ft)	m	(ft)
45,7 (150)	104	(340)	389	(1,275)	–	–	–	–	–	–	–	–	–	–
48,8 (160)	110	(360)	419	(1,375)	–	–	–	–	–	–	–	–	–	–
51,8 (170)	116	(380)	434	(1,425)	–	–	–	–	–	–	–	–	–	–
54,9 (180)	122	(400)	465	(1,525)	404	(1,325)	–	–	–	–	–	–	–	–
57,9 (190)	128	(420)	488	(1,600)	427	(1,400)	366	(1,200)	–	–	–	–	–	–
61,0 (200)	134	(440)	511	(1,675)	450	(1,475)	389	(1,275)	–	–	–	–	–	–
64,0 (210)	140	(460)	541	(1,775)	472	(1,550)	404	(1,325)	–	–	–	–	–	–
67,1 (220)	146	(480)	–	–	488	(1,600)	419	(1,375)	358	(1,175)	–	–	–	–
70,1 (230)	152	(500)	–	–	511	(1,675)	442	(1,450)	373	(1,225)	–	–	–	–
73,2 (240)	158	(520)	–	–	–	–	457	(1,500)	389	(1,275)	–	–	–	–
76,2 (250)	165	(540)	–	–	–	–	472	(1,550)	396	(1,300)	320	(1,050)	–	–
79,3 (260)	171	(560)	–	–	–	–	495	(1,625)	411	(1,350)	335	(1,100)	–	–
82,3 (270)	177	(580)	–	–	–	–	511	(1,675)	427	(1,400)	343	(1,125)	–	–
85,3 (280)	183	(600)	–	–	–	–	533	(1,750)	442	(1,450)	358	(1,175)	–	–
88,4 (290)	189	(620)	–	–	–	–	–	–	457	(1,500)	373	(1,225)	–	–
91,4 (300)	195	(640)	–	–	–	–	–	–	472	(1,550)	381	(1,250)	–	–
94,5 (310)	201	(660)	–	–	–	–	–	–	488	(1,600)	396	(1,300)	–	–
97,5 (320)	207	(680	–	–	–	–	–	–	–	–	404	(1,325)	–	–
100,6 (330)	213	(700)	–	–	–	–	–	–	–	–	419	(1,375)	–	–
103,6 (340)	219	(720)	–	–	–	–	–	–	–	–	427	(1,400)	–	–
106,7 (350)	226	(740)	–	–	–	–	–	–	–	–	442	(1,450)	335	(1,100)
109,7 (360)	232	(760)	–	–	–	–	–	–	–	–	450	(1,475)	343	(1,125)
112,8 (370)	238	(780)	–	–	–	–	–	–	–	–	–	–	351	(1,150)
115,8 (380)	244	(800)	–	–	–	–	–	–	–	–	–	–	358	(1,175)
118,9 (390)	250	(820)	–	–	–	–	–	–	–	–	–	–	366	(1,200)
121,9 (400)	256	(840)	–	–	–	–	–	–	–	–	–	–	373	(1,225)

Note: Line lengths given in table will allow hook to touch ground. When block travel below ground is required, add additional rope equal to parts of line times added travel distance. Hoisting distance or line pull may be limited when block travel below ground is required. Maximum hook travel for luffing jib application may be restricted when wire rope length exceeds 411 m (1,350') using left rear drum without lagging or when wire rope length exceeds 381 m (1,250') using 622mm (24-1/2") diameter lagging on left rear drum.

Drums each provide 133 kN (30,000 lb) maximum single line pull.

Wire Rope Lengths - Fixed Jib No. 140 on Luffing Jib No. 133A or 133 on Boom No. 44 with Heavy-Lift Top

Boom, Luffing Jib, and Fixed Jib Length	Fixed Jib Whip Line Left Rear Drum			
	(1 Part of Line)		(2 Parts of Line)	
m (ft)	m	(ft)	m	(ft)
115,8 (380)	244	(800)	358	(1,175)
118,9 (390)	250	(820)	366	(1,200)
121,9 (400)	256	(840)	381	(1,250)
125,0 (410)	262	(860)	396	(1,300)
128,0 (420)	268	(880)	404	(1,325)
131,1 (430)	274	(900)	411	(1,350)
134,1 (440)	280	(920)	419	(1,375)
137,2 (450)	287	(940)	427	(1,400)
140,2 (460)	293	(960)	–	–
143,3 (470)	299	(980)	–	–
146,3 (480)	305	(1,000)	–	–
149,4 (490)	311	(1,020)	–	–
152,4 (500)	317	(1,040)	–	–
155,4 (510)	323	(1,060)	–	–
158,5 (520)	329	(1,080)	–	–

Note: Line lengths given in table will allow hook to touch ground. When block travel below ground is required, add additional rope equal to parts of line times added travel distance. Hoisting distance or line pull may be limited when block travel below ground is required.

Drums each provide 133 kN (30,000 lb) maximum single line pull.

Wire Rope Lengths
Boom No. 44 with Long-Reach Top
- or -
Fixed Jib No. 132 on
Boom No. 44 with Long-Reach Top

Boom or Boom and Fixed Jib Length	Whip Line Left Rear or Front Drum								Hoist line Right Rear Drum		
	(1 Part of Line)		(2 Parts of Line)		(3 Parts of Line)		(4 Parts of Line)				Maximum Required Parts of Line
m (ft)	m	(ft)	m	(ft)	m	(ft)	m	(ft)	m	(ft)	
57,9 (190)	131	(430)	191	(625)	–	–	–	–	488	(1,600)	7
61,0 (200)	137	(450)	198	(650)	–	–	–	–	511	(1,675)	7
64,0 (210)	143	(470)	206	(675)	–	–	–	–	533	(1,750)	7
67,1 (220)	149	(490)	221	(725)	–	–	–	–	564	(1,850)	7
70,1 (230)	155	(510)	229	(750)	297	(975)	373	(1,225)	587	(1,925)	7
73,2 (240)	162	(530)	236	(775)	312	(1,025)	389	(1,275)	625	(2,050)	7
76,2 (250)	168	(550)	244	(800)	320	(1,050)	404	(1,325)	625	(2,050)	6
79,2 (260)	174	(570)	251	(825)	335	(1,100)	–	–	625	(2,050)	6
82,3 (270)	180	(590)	259	(850)	343	(1,125)	–	–	625	(2,050)	6
85,3 (280)	186	(610)	274	(900)	358	(1,175)	–	–	625	(2,050)	5
88,4 (290)	192	(630)	282	(925)	373	(1,225)	–	–	625	(2,050)	5
91,4 (300)	198	(650)	290	(950)	381	(1,250)	–	–	625	(2,050)	4
94,5 (310)	201	(660)	297	(975)	396	(1,300)	–	–	625	(2,050)	4
97,5 (320)	207	(680)	303	(1,000)	404	(1,325)	–	–	625	(2,050)	4
100,6 (330)	213	(700)	312	(1,025)	–	–	–	–	625	(2,050)	4
103,6 (340)	219	(720)	328	(1,075)	–	–	–	–	–	–	–
106,7 (350)	226	(740)	335	(1,100)	–	–	–	–	–	–	–
109,7 (360)	232	(760)	343	(1,125)	–	–	–	–	–	–	–
112,8 (370)	238	(780)	351	(1,150)	–	–	–	–	–	–	–
115,8 (380)	244	(800)	358	(1,175)	–	–	–	–	–	–	–
118,9 (390)	250	(820)	366	(1,200)	–	–	–	–	–	–	–

Note: Line lengths given in table will allow hook to touch ground. When block travel below ground is required, add additional rope equal to parts of line times added travel distance. Hoisting distance or line pull may be limited when block travel below ground is required. Maximum hook travel for upper boom point application may be restricted when whip line length exceeds 387 m (1,270') using 622 mm (24-1/2") diameter lagging on left rear drum.

Drums each provide 133 kN (30,000 lb) maximum single line pull.

Wire Rope Specifications 5:1 Safety Factor
Boom No. 44 with Heavy-Lift or Long-Reach Top
- or -
Fixed Jib No. 132 on
Boom No. 44 with Heavy-Lift or Long-Reach Top
- or -
Luffing Jib No. 133A or 133 on
Boom No. 44 with Heavy-Lift Top
- or -
Fixed Jib No. 140 on
Luffing Jib No. 133A or 133 on
Boom No. 44 with Heavy-Lift Top

Function	**5:1 Safety Factor** Rotation Resistant 1 960 N/mm² **Hoist or Whip Line**	**5:1 Safety Factor** Rotation Resistant 1 770 N/mm² **Hoist or Whip Line**	**Only for helping reeve load lines:** Regular Lay 6 x 19 Filler Wire IPS, IWRC **Rigging Winch Line**
Part Number	**No. 719375**	**No. 719374**	**No. 719019**
Size Wire Rope	– (1-1/8")	29 mm –	– (3/8")
Minimum Breaking Strength	70 260 kg (154,900 lb)	70 170 kg (154,700 lb)	5 940 kg (13,100 lb)
Maximum Load Per Line	13 610 kg (30,000 lb)	13 610 kg (30,000 lb)	– –
Approximate Weight	4,02 kg/m (2.70 lb/ft)	4,25 kg/m (2.85 lb/ft)	– –

Drums & Laggings - Liftcrane

Application	Unequal Split Rear Drums with Front Drum Optional Drum Location	Drum Part Number	Drum Type	Drum Diameter	Drum Width	Grooved Lagging* (Optional) Part Number	Wire Rope Size
Hoist	**Right Rear**	**171304**	**Bare**	**572 mm** (22-1/2")	**1 141 mm** (44-29/32")	**502411 with Spacer 197045** / **502402**	**29 mm** (1-1/8")
Whip	**Left Rear**	**171305**	**Bare**	**572 mm** (22-1/2")	**480 mm** (18-29/32")	**502412 with Spacer 197044** / **502401 with Spacer 192568**	**29 mm** (1-1/8")
Whip (Optional)	**Front**	**171304 with Spacer 176959**	**Bare**	**572 mm** (22-1/2")	**961 mm** (37-53/64")	**Pending** / **Pending**	**29 mm** (1-1/8")

Note: Grooved laggings for 29 mm or (1-1/8") wire rope are optional for liftcrane application.
*622 mm (24-1/2") diameter.

Basic Liftcrane

Drums & Laggings - Liftcrane

	Application	Drum Location	Drum Part Number	Drum Type	Drum Diameter	Drum Width	Grooved Lagging* (Optional) Part Number	Wire Rope Size
		Tandem Drums - 1 854 mm (73") Wide (Optional)						
Basic Liftcrane	Hoist	Rear	173521 with Spacer 176961	Bare	572 mm (22-1/2")	1 141 mm (44-29/32")	Pending 502402	29 mm (1-1/8")
	Whip	Front	173520 with Spacer 175153 or 176960	Bare	572 mm (22-1/2")	961 mm (37-53/64")	Pending Pending	29 mm (1-1/8")

Note: Grooved laggings for 29 mm or (1-1/8") wire rope are optional for liftcrane application.
*622 mm (24-1/2") diameter.

Drums & Laggings - Clamshell / Bulk Material Handling

	Application	Drum Location	Drum Part Number	Lagging Type	Lagging Diameter	Lagging Width	Lagging Part Number	Wire Rope Size
		Unequal Split Rear Drums with Front Drum Optional						
Clamshell	Closing*	Right Rear	171304	Grooved	622 mm (24-1/2")	1 141 mm (44-29/32")	502358 502358	29 mm (1-1/8")
	Holding	Left Rear	171305	Grooved	622 mm (24-1/2")	480 mm (18-29/32")	502356 502356	29 mm (1-1/8")
	Closing (Optional)	Front	171304	Grooved	622 mm (24-1/2")	961 mm (37-53/64")	502375 with Spacer 176959 502375 with Spacer 176959	29 mm (1-1/8")
Bulk Material Handling	Holding	Right Rear	171304	Grooved	622 mm (24-1/2")	1 141 mm (44-29/32")	– 502370	– (1-1/4")
	Closing	Front	171304	Grooved	622 mm (24-1/2")	1 141 mm (44-29/32")	– 502370	– (1-1/4")

*Holding if used with front drum

Drums & Laggings - Container Handling / Clamshell

	Application	Drum Location	Drum Part Number	Lagging Type	Lagging Diameter	Lagging Width	Lagging Part Number	Wire Rope Size
		Equal Split Rear Drums with Front Drum Optional						
Container Handling	Hoist	Right Rear	172919	Grooved	622 mm (24-1/2")	810 mm (31-29/32")	Pending 502364	29 mm (1-1/8")
	Hoist	Left Rear	172920	Grooved	622 mm (24-1/2")	810 mm (31-29/32")	Pending 502364	29 mm (1-1/8")
	Auxiliary (Optional)	Front	171304 with Spacer 176959	Bare	– –	– –	– –	29 mm (1-1/8")
Clamshell	Closing	Right Rear	172919	Grooved	622 mm (24-1/2")	810 mm (31-29/32")	Pending 502365	29 mm (1-1/8")
	Holding	Left Rear	172920	Grooved	622 mm (24-1/2")	810 mm (31-29/32")	Pending 502365	29 mm (1-1/8")

Drums & Laggings - Clamshell

Application	Drum Location	Drum Part Number	Lagging Type	Lagging Diameter	Lagging Width	Lagging Part Number	Wire Rope Size
		Tandem Drums - 1 854 mm (73") Wide (Optional)					
Holding	Rear	173521 with Spacer 176961	Grooved	622 mm (24-1/2")	1 141 mm (44-29/32")	502358 502358	29 mm (1-1/8")
Closing	Front	173520 with Spacer 175153 or 176960	Grooved	622 mm (24-1/2")	961 mm (37-53/64")	502375 502375	29 mm (1-1/8")

Drum Capacities, Standard Drums - Wire Rope

	Maximum Length	
	No Lagging	With Lagging**
Right Rear Drum (Hoist) 29 mm Wire Rope*	730 m 8 Layers	776 m 8 Layers
(1-1/8") Wire Rope*	(2,411 ft) 8 Layers	(2,566 ft) 8 Layers
Left Rear Drum (Whip) 29 mm Wire Rope*	355 m 9 Layers	323 m 8 Layers
(1-1/8") Wire Rope*	(1,173 ft) 9 Layers	(1,068 ft) 8 Layers
Front Drum (Whip) 29 mm Wire Rope*	614 m 8 Layers	653 m 8 Layers
(1-1/8") Wire Rope*	(2,028 ft) 8 Layers	(2,158 ft) 8 Layers

*6 m (20') is deducted from maximum spooling capacities for 3 dead wraps per drum or lagging.

**Lagging diameter 622 mm (24-1/2").

Working Weight

Configuration	kg (lb) Series 1	Series 2	Series 3
21,3 m (70') No. 44 Boom	203 069 (447,690)	248 485 (547,815)	293 844 (647,815)
76,2 m (250') No. 44 Main Boom with 36,6 m (120') No. 132 Fixed Jib	219 804* (484,585)*	265 776 (585,935)	311 135 (685,935)
61,0 m (200') No. 44 Main Boom with 61,0 m (200') No. 133A Luffing Jib	231 373** (510,090)**	277 803 (612,450)	323 162 (712,450)

Typical working weight includes: optional self-assembly carbody jacks, hydraulic reservoirs full, fuel half-full, drums loaded with standard lengths of wire rope, upper boom point, 272 mt (300 t) hook block, and 13,6 mt (15 t) weight ball.

Note: Upper boom point not used with fixed jib or luffing jib.

*70,1 m (230') No. 44 main boom and 36,6 m (120') fixed jib maximum allowed for Series 1.

**57,9 m (190') No. 44 main boom and 61,0 m (200') luffing jib maximum allowed for Series 1.

Drums - 133,4 kN (30,000 lb)

Layer	Single Line Pull/Single Line Speed* m/min (ft/min) 1	2	3	4	5	6	7	8
Line Pull kN (lb)								
0 (0)	102 (335)	111 (365)	120 (394)	129 (424)	138 (453)	147 (483)	156 (512)	165 (542)
22,2 (5,000)	102 (335)	111 (365)	120 (394)	129 (424)	138 (453)	147 (481)	155 (509)	164 (537)
44,5 (10,000)	100 (328)	108 (355)	116 (381)	124 (408)	132 (433)	140 (459)	148 (484)	155 (509)
66,7 (15,000)	97 (317)	104 (342)	112 (366)	119 (390)	126 (413)	133 (436)	140 (458)	146 (480)
89,0 (20,000)	94 (307)	100 (329)	107 (351)	113 (370)	115 (378)	118 (386)	120 (394)	123 (402)
111,2 (25,000)	90 (295)	92 (303)	95 (311)	97 (319)	100 (327)	102 (336)	105 (344)	107 (352)
133,4 (30,000)	80 (261)	82 (269)	84 (277)	87 (286)	90 (294)	92 (302)	95 (310)	97 (318)

NOTE: Line pull is infinitely variable.
*Based on lagging diameter of 622 mm (24-1/2").

Maximum Length – Unassisted Raising

Fixed Jib No. 132 on
Boom No. 44 with Heavy-Lift Top
Series 3

Method	Main Boom	Fixed Jib
Over front, side or rear of crawlers m (ft)	91,4 (300)	– –
	88,4 (290)	– –
	85,3 (280)	– –
	82,3 (270)	– –
	79,2 (260)	24,4 (80)
	76,2 (250)	36,6 (120)

NOTE: Load block(s), hook(s) and weight ball(s) on ground at start. Upper boom point cannot be used when jib is attached.

Boom lengths of 76,2 m (250') through 91,4 m (300') require only three middle sheaves in lower boom point, all others must be removed from lower boom point.

Maximum Length – Unassisted Raising

Fixed Jib No. 132 on
Boom No. 44 with Long-Reach Top
Series 3

Method	Main Boom	Fixed Jib
Over front, side or rear of crawlers m (ft)	100,6 (330)	– –
	97,5 (320)	– –
	94,5 (310)	– –
	91,4 (300)	– –
	88,4 (290)	– –
	85,3 (280)	18,3 (60)
	82,3 (270)	36,6 (120)

NOTE: Load block(s), hook(s) and weight ball(s) on ground at start. Upper boom point cannot be used on 100,6 m (330') boom, or when jib is attached.

Maximum Length – Unassisted Raising

Luffing Jib No. 133A or 133 on
Boom No. 44 with Heavy-Lift Top
Series 3

Method	In-Line Procedure Main Boom	In-Line Procedure Luffing Jib	Layout Jack-Knife Procedure Main Boom	Layout Jack-Knife Procedure Luffing Jib
Over front of crawlers m (ft)	24,4 (80)	21,3 - 61,0 (70 - 200)	33,5 (110)	61,0 (200)
	27,4 (90)	21,3 - 61,0 (70 - 200)	36,6 (120)	57,9 - 61,0 (190 - 200)
	30,5 (100)	21,3 - 61,0 (70 - 200)	39,6 (130)	51,8 - 61,0 (170 - 200)
	33,5 (110)	21,3 - 57,9 (70 - 190)	42,7 (140)	48,8 - 61,0 (160 - 200)
	36,6 (120)	21,3 - 54,9 (70 - 180)	45,7 (150)	42,7 - 61,0 (140 - 200)
	39,6 (130)	21,3 - 48,8 (70 - 160)	48,8 (160)	36,6 - 61,0 (120 - 200)
	42,7 (140)	21,3 - 45,7 (70 - 150)	51,8 (170)	30,5 - 61,0 (100 - 200)
	45,7 (150)	21,3 - 39,6 (70 - 130)	54,9 (180)	24,4 - 61,0 (80 - 200)
	48,8 (160)	21,3 - 33,5 (70 - 110)	57,9 (190)	21,3 - 61,0 (70 - 200)
	51,8 (170)	21,3 - 27,4 (70 - 90)	61,0* (200) *	21,3 - 61,0 (70 - 200)
	54,9 (180)	21,3 (70)	64,0* (210) *	33,5 - 45,7 (110 - 150)

NOTE: Load block(s), hook(s) and weight ball(s) on ground until boom and luffing jib are erected.

*Requires only middle three sheaves to be used in lower boom point, all others must be removed from lower boom point.

Combinations of boom and luffing jib to 76,2 m (250') and 61,0 m (200') can be raised over front of blocked crawlers with outside assist.

Maximum Length – Unassisted Raising

Fixed Jib No. 140 set at 5° angle on
Luffing Jib No. 133 or 133A on
Boom No. 44 with Heavy-Lift Top
Series 3
Layout Jack-Knife Procedure

Method	Main Boom	Luffing Jib	Fixed Jib
Over front of blocked crawlers m (ft)	54,9 (180)	48,8 - 61,0 (160 - 200)	12,2 - 36,6 (40 - 120)
	57,9 (190)	48,8 - 61,0 (160 - 200)	12,2 - 36,6 (40 - 120)
	61,0* (200)*	48,8 - 61,0 (160 - 200)	12,2 - 36,6 (40 - 120)

NOTE: Load block(s), hook(s) and weight ball(s) on ground until boom and luffing jib are erected.

*Requires only middle three sheaves to be used in lower boom point, all others must be removed from lower boom point.

boom combinations

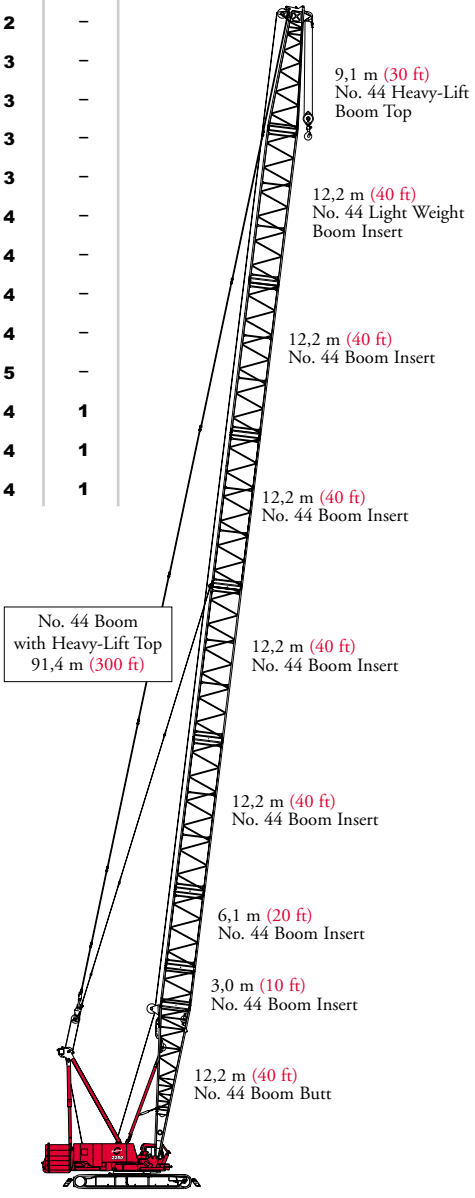
No. 44 Main Boom with Heavy-Lift Top Combinations

Boom Length m (ft)	Boom Inserts 3,0 m (10 ft)	6,1 m (20 ft)	12,2 m (40 ft)	12,2 m* (40 ft)*
24,4 (80)	1	–	–	–
27,4 (90)	–	1	–	–
30,5 (100)	1	1	–	–
33,5 (110)	–	–	1	–
36,6 (120)	1	–	1	–
39,6 (130)	–	1	1	–
42,7 (140)	1	1	1	–
45,7 (150)	–	–	2	–
48,8 (160)	1	–	2	–
51,8 (170)	–	1	2	–
54,9 (180)	1	1	2	–
57,9 (190)	–	–	3	–
61,0 (200)	1	–	3	–
64,0 (210)	–	1	3	–
67,1 (220)	1	1	3	–
70,1 (230)	–	–	4	–
73,2 (240)	1	–	4	–
76,2 (250)	–	1	4	–
79,2 (260)	1	1	4	–
82,3 (270)	–	–	5	–
85,3 (280)	1	–	4	1
88,3 (290)	–	1	4	1
91,4 (300)	1	1	4	1

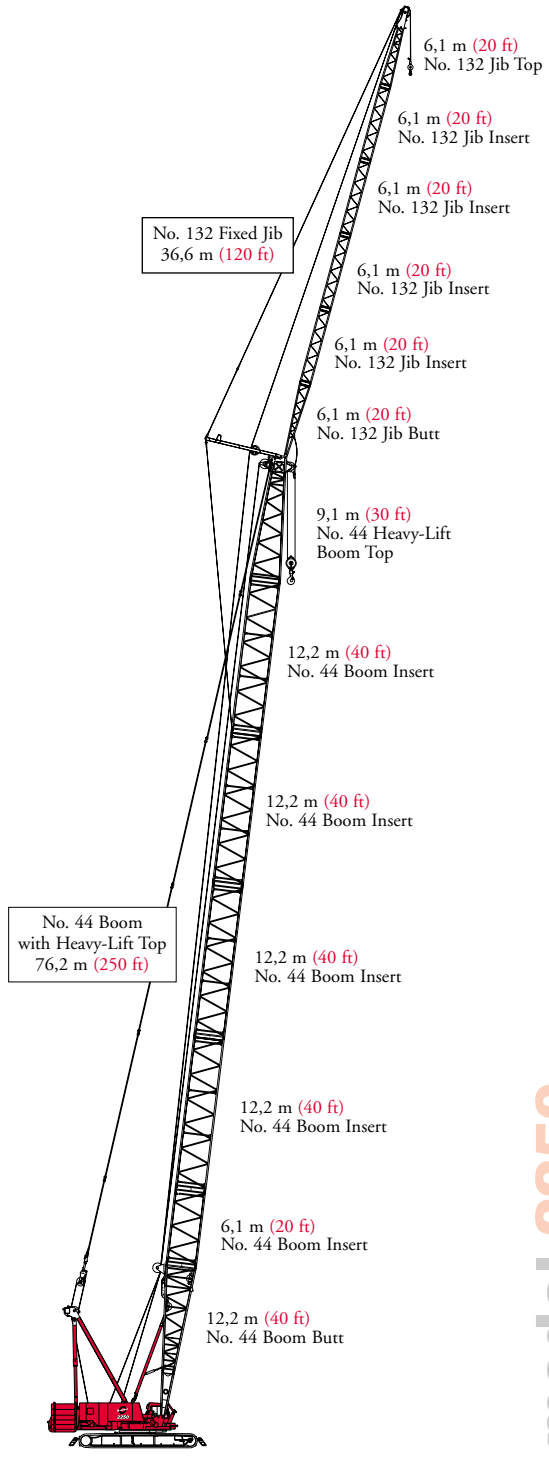
*Light weight inserts.
Note: Intermediate suspension required for 85,3 m (280') and longer boom lengths.

No. 132 Fixed Jib Combinations

Jib Length m (ft)	Fixed Jib Inserts 6,1 m (20 ft)
12,2 (40)	–
18,3 (60)	1
24,4 (80)	2
30,5 (100)	3
36,6 (120)	4



Model 2250 Series 3
No. 44 Main Boom with Heavy-Lift Top
91,4 m (300 ft)



Model 2250 Series 3
No. 132 Fixed Jib on
No. 44 Main Boom with Heavy-Lift Top
112,8 m (370 ft)

boom combinations

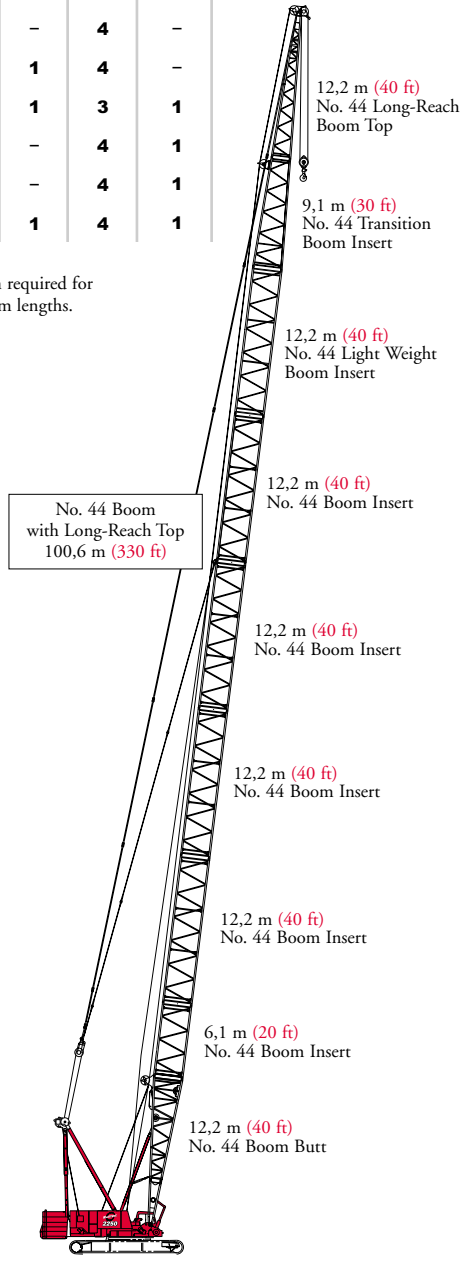
No. 44 Long-Reach Main Boom Combinations

Boom Length m (ft)	Boom Inserts 3,0 m (10 ft)	6,1 m (20 ft)	12,2 m (40 ft)	12,2 m* (40 ft)*
57,9 (190)	–	–	2	–
61,0 (200)	1	–	2	–
64,0 (210)	–	1	2	–
67,1 (220)	1	1	2	–
70,1 (230)	–	–	3	–
73,2 (240)	1	–	3	–
76,2 (250)	–	1	3	–
79,2 (260)	1	1	3	–
82,3 (270)	–	–	4	–
85,3 (280)	1	–	4	–
88,4 (290)	–	1	4	–
91,4 (300)	1	1	3	1
94,4 (310)	–	–	4	1
97,5 (320)	1	–	4	1
100,6 (330)	–	1	4	1

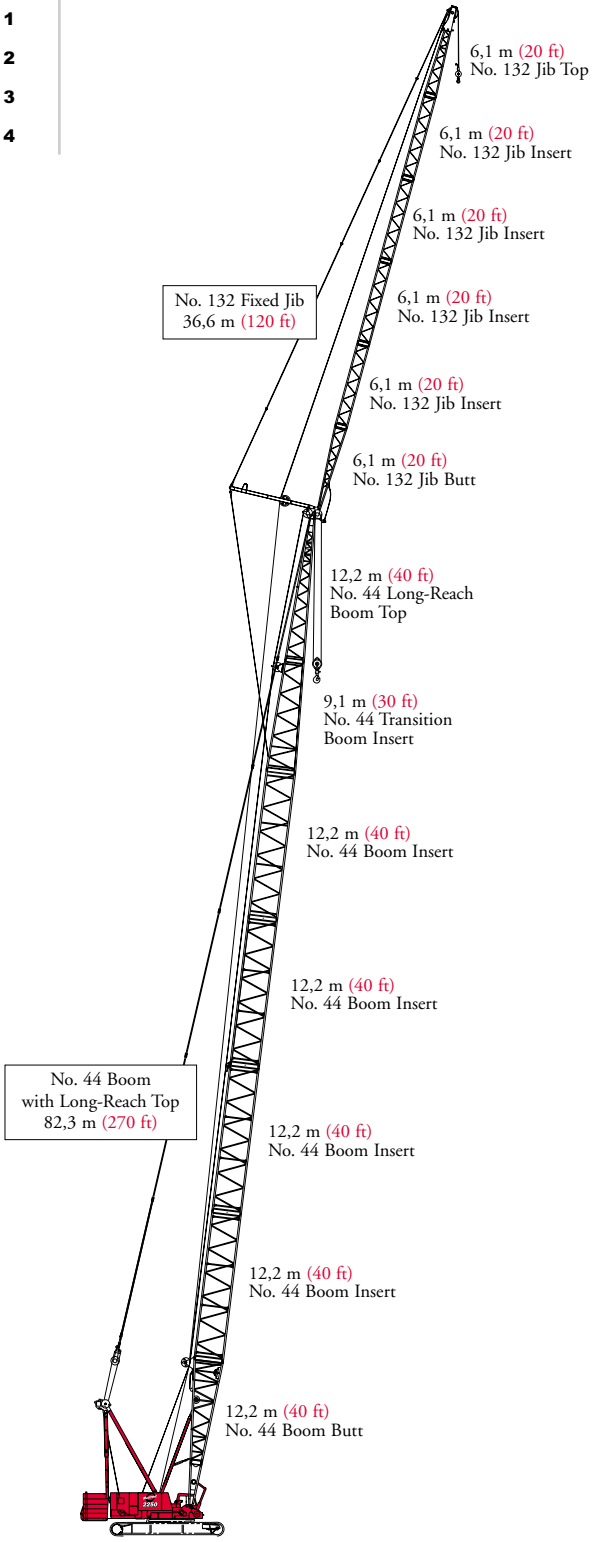
*Light weight inserts.
Note: Intermediate suspension required for 91,4 m (300') and longer boom lengths.

No. 132 Fixed Jib Combinations

Jib Length m (ft)	Fixed Jib Inserts 6,1 m (20 ft)
12,2 (40)	–
18,3 (60)	1
24,4 (80)	2
30,5 (100)	3
36,6 (120)	4



Model 2250 Series 3
No. 44 Main Boom with Long-Reach Top
100,6 m (330 ft)

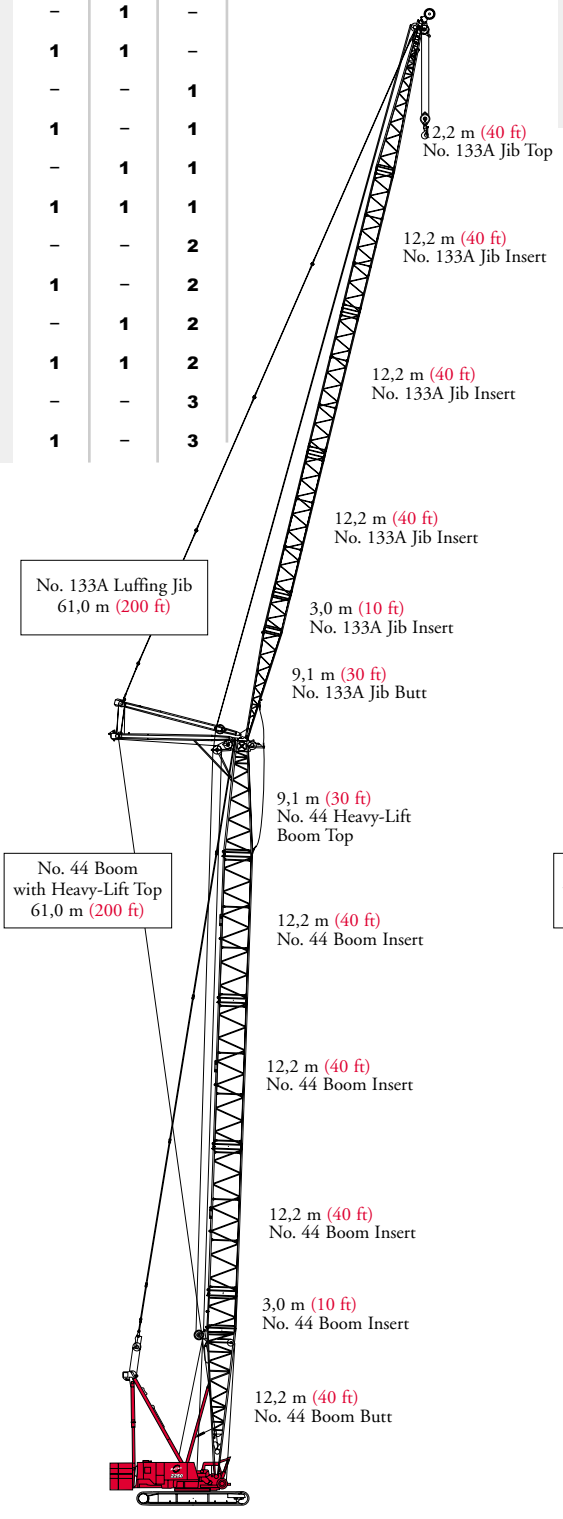


Model 2250 Series 3
No. 132 Fixed Jib on
No. 44 Main Boom with Long-Reach Top
118,9 m (390 ft)

boom combinations

No. 133A or 133 Luffing Jib Combinations

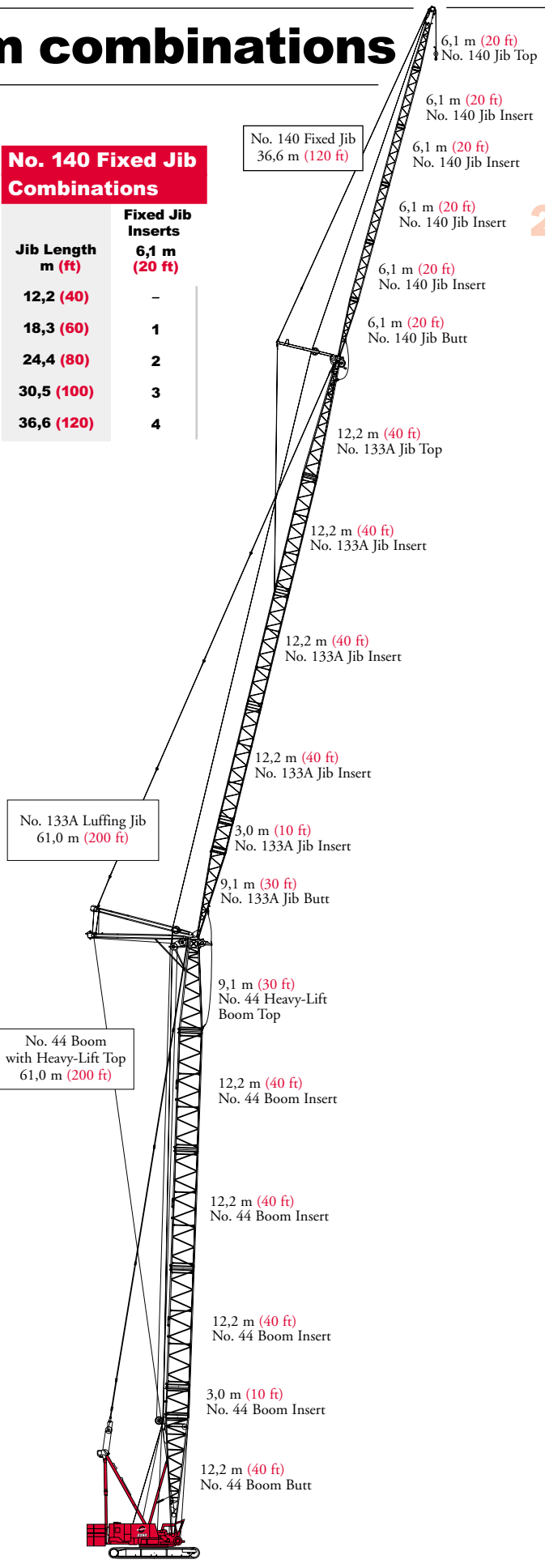
Luffing Jib Length m (ft)	Luffing Jib Inserts 3,0 m (10 ft)	6,1 m (20 ft)	12,2 m (40 ft)
21,3 (70)	–	–	–
24,4 (80)	1	–	–
27,4 (90)	–	1	–
30,5 (100)	1	1	–
33,5 (110)	–	–	1
36,6 (120)	1	–	1
39,6 (130)	–	1	1
42,7 (140)	1	1	1
45,7 (150)	–	–	2
48,8 (160)	1	–	2
51,8 (170)	–	1	2
54,9 (180)	1	1	2
57,9 (190)	–	–	3
61,0 (200)	1	–	3



Model 2250 Series 3
No. 133A or No. 133 Luffing Jib on
No. 44 Main Boom with Heavy-Lift Top
121,9 m (400 ft)

No. 140 Fixed Jib Combinations

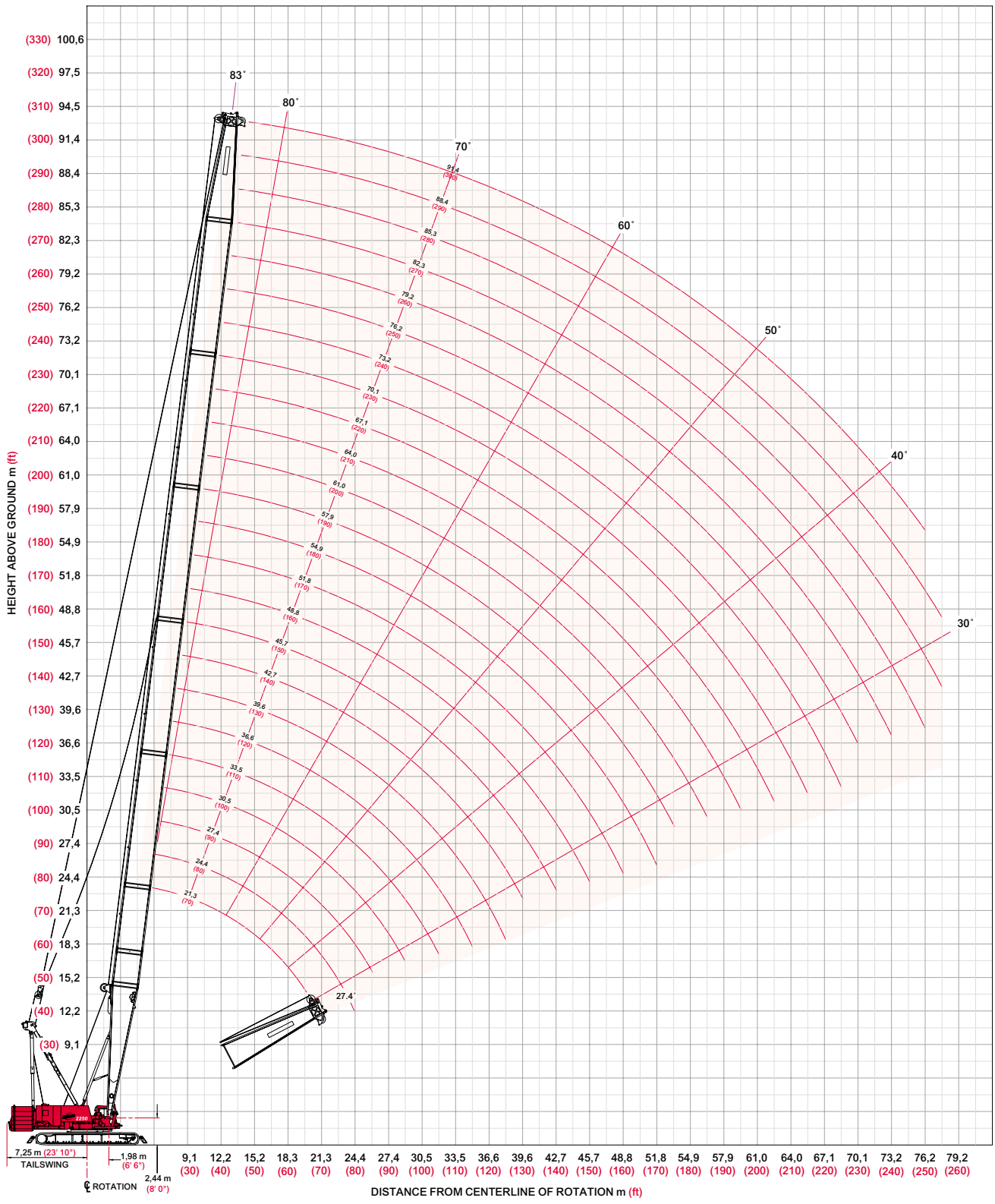
Jib Length m (ft)	Fixed Jib Inserts 6,1 m (20 ft)
12,2 (40)	–
18,3 (60)	1
24,4 (80)	2
30,5 (100)	3
36,6 (120)	4



Model 2250 Series 3
No. 140 Fixed Jib on No. 133A or No. 133 Luffing Jib on
No. 44 Main Boom with Heavy-Lift Top
158,5 m (520 ft)

heavy-lift boom range diagram

No. 44 Heavy-Lift Boom



Liftcrane Boom Capacities - 2250 Series 3
Boom No. 44 with Heavy Lift Top

113 040 kg (249,200 lb) Crane Counterweight 54 430 kg (120,000 lb) Carbody Counterweight

360° Rating **kg (lb) x 1 000**

Boom m (ft)	21,3 (70)	27,4 (90)	33,5 (110)	39,6 (130)	45,7 (150)	51,8 (170)	57,9 (190)	67,1 (220)	73,2 (240)	79,2 (260)	85,3 (280)	91,4 (300)
Radius												
5,5 (18)	272,1 (600.0)											
7,0 (22)	239,3 (541.5)	223,4 (495.6)	169,8 –									
8,0 (26)	210,8 (469.1)	210,4 (468.1)	166,2 (367.0)	158,8 (350.7)								
9,0 (30)	188,2 (408.7)	187,8 (407.7)	162,9 (358.2)	155,9 (343.0)	135,8 (298.6)	– (284.1)						
11,0 (36)	154,1 (340.9)	154,2 (340.9)	153,8 (339.8)	150,9 (333.2)	130,7 (288.3)	124,9 (275.6)	108,2 (238.8)					
12,0 (40)	135,9 (293.0)	140,7 (304.2)	140,4 (303.9)	138,0 (298.3)	128,4 (282.3)	123,1 (270.7)	106,5 (234.2)	97,7 (214.8)	– (185.8)			
14,0 (46)	109,0 (239.8)	113,0 (248.7)	112,8 (248.3)	112,6 (247.9)	110,9 (244.2)	107,4 (236.4)	103,1 (227.2)	90,8 (200.2)	80,9 (178.4)	73,8 (162.8)	64,4 (142.0)	55,9 (123.3)
15,0 (50)	98,6 (212.6)	102,5 (221.2)	102,3 (220.8)	102,2 (220.4)	101,9 (219.6)	99,1 (214.7)	96,1 (207.8)	87,5 (191.2)	78,3 (171.3)	71,5 (156.5)	63,4 (138.6)	55,6 (122.6)
18,0 (60)	74,7 (160.4)	79,8 (172.4)	79,5 (171.8)	79,4 (171.4)	78,9 (170.5)	78,8 (169.8)	77,7 (168.3)	74,4 (160.5)	70,5 (153.9)	64,4 (140.7)	58,5 (129.1)	53,0 (116.0)
22,0 (70)	– (110.2)	59,4 (137.4)	60,7 (139.5)	60,4 (139.0)	60,0 (138.1)	59,7 (137.4)	59,2 (136.4)	58,4 (133.8)	56,5 (129.5)	55,4 (125.9)	55,0 (125.0)	48,4 (108.3)
24,0 (80)		51,6 (110.7)	54,0 (116.6)	53,8 (116.1)	53,3 (115.1)	53,0 (114.5)	52,5 (113.4)	51,9 (112.0)	50,9 (110.2)	50,1 (108.3)	48,9 (105.8)	46,4 (101.7)
28,0 (90)			42,8 (97.6)	43,6 (99.0)	43,2 (98.0)	42,8 (97.3)	42,3 (96.2)	41,7 (94.8)	41,2 (93.7)	41,3 (93.6)	40,2 (91.1)	38,8 (88.0)
30,0 (100)			37,8 (80.9)	39,6 (85.6)	39,2 (84.7)	38,9 (84.0)	38,4 (82.9)	37,8 (81.5)	37,2 (80.3)	37,3 (80.5)	36,7 (79.5)	35,4 (76.6)
34,0 (110)				32,1 (72.7)	32,9 (74.1)	32,6 (73.4)	32,1 (72.3)	31,4 (70.8)	30,9 (69.6)	30,9 (69.8)	30,7 (69.2)	29,8 (67.2)
36,0 (120)				28,7 (61.1)	29,9 (64.1)	30,0 (64.7)	29,5 (63.6)	28,8 (62.1)	28,3 (60.9)	28,4 (61.1)	28,1 (60.5)	27,5 (59.4)
42,0 (140)					21,9 (46.3)	22,9 (49.1)	23,2 (49.5)	22,6 (48.8)	22,1 (47.6)	22,2 (47.8)	21,9 (47.1)	21,3 (45.4)
50,0 (160)						– (35.5)	15,8 (37.1)	16,0 (37.4)	15,8 (37.0)	16,3 (38.0)	15,2 (35.8)	13,9 (32.8)
56,0 (180)								11,8 (27.8)	11,7 (27.4)	12,2 (28.6)	11,2 (26.4)	9,8 (23.3)
62,0 (200)								8,5 (20.0)	8,4 (19.7)	8,9 (21.0)	8,1 (19.0)	6,8 (16.1)
68,0 (220)									5,6 (13.3)	6,2 (14.7)	5,5 (13.0)	4,3 (10.4)
72,0 (235)										4,7 (10.8)	4,0 (9.2)	3,0 (7.0)
74,0 (245)											3,3 (6.9)	2,4 (5.0)
76,0 (255)											2,6 (4.7)	1,9 –

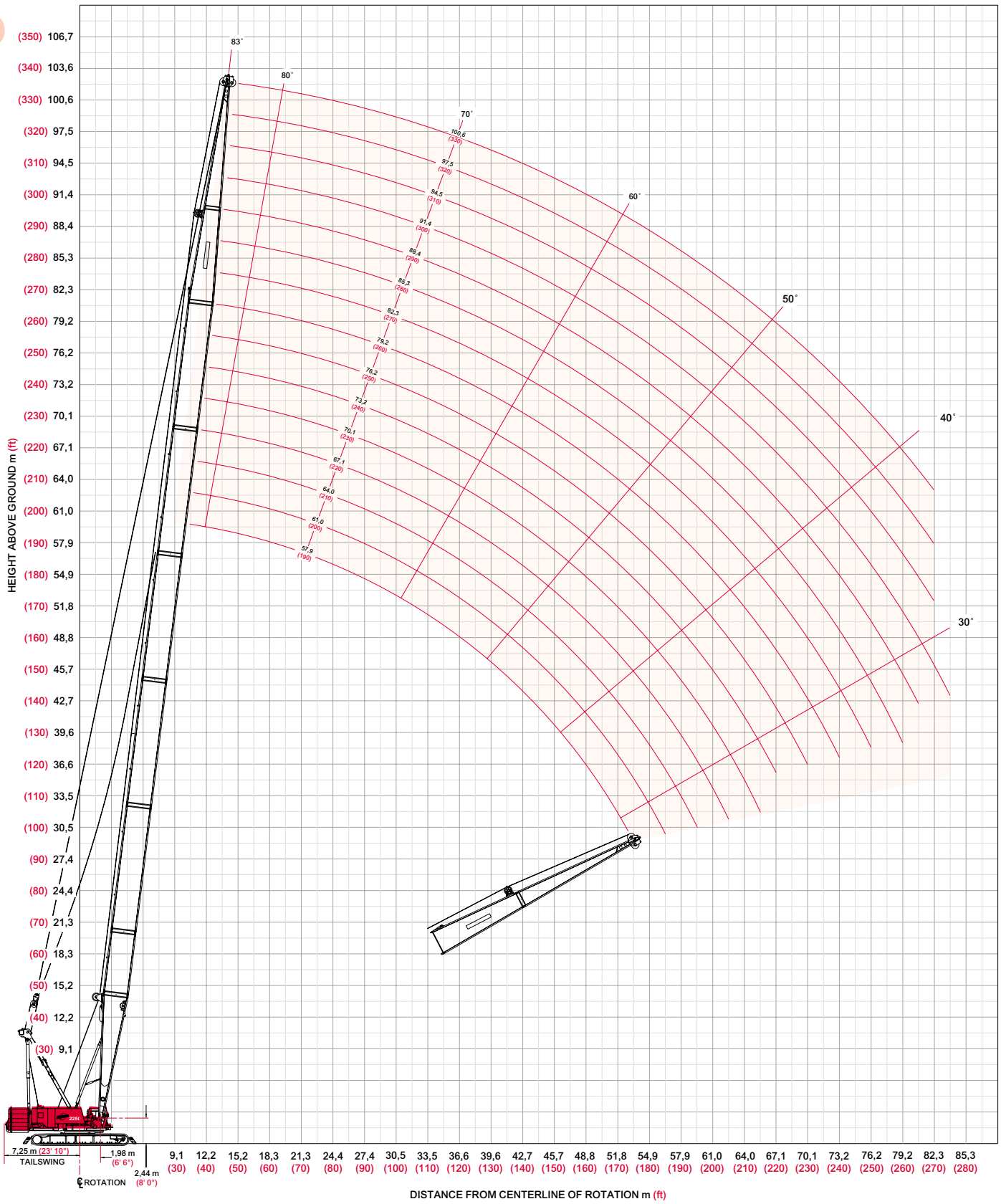
Fixed Jib No. 132 on Boom No. 44

Jib Length m (ft)	Deduct from Capacity when fixed jib is attached kg (lb)
12,2 (40)	2 900 (6,400)
18,3 (60)	3 720 (8,200)
24,4 (80)	4 670 (10,300)
30,5 (100)	5 810 (12,800)
36,6 (120)	6 940 (15,300)

Meets ANSI B30.5 Requirements - Capacities do not exceed 75% of static tipping load.
NOTICE: This capacity chart is for reference only and must not be used for lifting purposes.

long-reach boom range diagram

No. 44 Long-Reach Boom



Liftcrane Boom Capacities - 2250 Series 3
Boom No. 44 with Long Reach Top

113 040 kg (249,200 lb) Crane Counterweight 54 430 kg (120,000 lb) Carbody Counterweight

360° Rating kg (lb) x 1 000

Boom m (ft)	57,9 (190)	61,0 (200)	64,0 (210)	70,1 (230)	73,2 (240)	76,2 (250)	82,3 (270)	85,3 (280)	88,4 (290)	94,5 (310)	97,5 (320)	100,6 (330)
Radius												
9,8 (32)	95,2 (210.0)	95,2 (210.0)										
11,0 (36)	95,2 (210.0)	95,2 (210.0)	95,2 (210.0)	89,0 (196.3)								
12,0 (40)	95,2 (210.0)	95,2 (210.0)	95,2 (210.0)	87,5 (192.4)	84,7 (186.3)	– (178.8)						
14,0 (46)	95,2 (210.0)	95,2 (210.0)	95,2 (210.0)	84,8 (187.0)	82,3 (181.4)	79,0 (174.3)	69,3 (152.9)	64,2 (141.6)	59,8 (131.9)	48,9 (108.0)		
15,0 (50)	95,2 (210.0)	95,2 (210.0)	94,0 (205.7)	83,6 (183.8)	81,1 (178.0)	77,7 (170.1)	68,5 (150.6)	63,7 (140.2)	59,3 (130.6)	48,3 (105.9)	44,7 (98.1)	41,2 (90.2)
18,0 (60)	80,6 (173.2)	80,1 (172.7)	79,5 (171.9)	76,8 (166.3)	74,8 (163.6)	71,5 (156.4)	63,5 (139.0)	60,3 (131.7)	57,1 (125.0)	44,6 (97.8)	41,4 (90.5)	37,6 (82.4)
22,0 (70)	61,3 (140.9)	61,0 (140.3)	60,9 (140.1)	60,5 (139.0)	59,9 (137.0)	59,3 (135.7)	56,6 (127.6)	53,6 (120.7)	50,9 (114.5)	40,7 (91.2)	37,3 (83.6)	33,9 (76.1)
24,0 (80)	54,6 (118.0)	54,3 (117.4)	54,2 (117.1)	53,7 (116.1)	53,5 (115.5)	53,3 (115.1)	51,9 (112.1)	50,5 (110.2)	47,9 (104.5)	39,1 (85.6)	35,6 (77.9)	32,3 (70.8)
30,0 (100)	40,6 (87.6)	40,3 (87.0)	40,2 (86.8)	39,7 (85.7)	39,4 (85.0)	39,2 (84.7)	38,7 (83.5)	38,4 (82.9)	38,2 (82.5)	34,9 (76.5)	31,4 (68.6)	28,4 (62.2)
36,0 (120)	31,7 (68.4)	31,4 (67.8)	31,3 (67.6)	30,7 (66.4)	30,5 (65.8)	30,3 (65.5)	29,8 (64.3)	29,5 (63.6)	29,3 (63.3)	28,3 (61.2)	27,7 (59.9)	25,4 (55.5)
40,0 (130)	27,4 (61.3)	27,1 (60.6)	27,0 (60.4)	26,4 (59.2)	26,2 (58.6)	26,0 (58.3)	25,5 (57.1)	25,2 (56.4)	25,0 (56.0)	24,5 (54.8)	23,9 (53.5)	23,4 (52.1)
42,0 (140)	25,6 (55.2)	25,3 (54.6)	25,1 (54.3)	24,6 (53.2)	24,3 (52.5)	24,2 (52.2)	23,6 (51.0)	23,4 (50.3)	23,2 (49.9)	22,7 (48.9)	22,3 (48.0)	22,2 (48.1)
50,0 (160)	18,8 (43.7)	18,8 (43.7)	19,0 (44.2)	18,9 (43.4)	18,6 (42.8)	18,5 (42.5)	17,9 (41.2)	17,6 (40.6)	17,4 (40.2)	16,6 (38.8)	16,1 (37.8)	16,4 (38.4)
52,0 (170)	17,3 (38.6)	17,3 (38.6)	17,6 (39.1)	17,4 (38.8)	17,3 (38.5)	17,3 (38.5)	16,8 (37.3)	16,4 (36.6)	16,3 (36.3)	15,1 (33.7)	14,7 (32.7)	15,0 (33.4)
56,0 (185)		14,6 (31.8)	14,9 (32.5)	14,8 (32.3)	14,7 (32.0)	14,8 (32.1)	14,4 (31.4)	14,3 (31.0)	14,2 (30.8)	12,6 (27.3)	12,1 (26.3)	12,4 (26.9)
60,0 (195)			– (28.4)	12,6 (28.5)	12,4 (28.2)	12,5 (28.3)	12,2 (27.6)	12,0 (27.2)	11,9 (27.0)	10,4 (23.6)	9,9 (22.6)	10,2 (23.2)
62,0 (205)				11,5 (25.0)	11,4 (24.7)	11,5 (24.9)	11,1 (24.2)	10,9 (23.7)	10,9 (23.6)	9,4 (20.3)	8,9 (19.3)	9,2 (19.9)
66,0 (215)				– (21.4)	9,5 (21.6)	9,6 (21.8)	9,3 (21.1)	9,1 (20.6)	9,0 (20.5)	7,6 (17.3)	7,1 (16.3)	7,4 (16.9)
72,0 (240)							6,9 (14.4)	6,7 (14.0)	6,6 (13.7)	5,3 (10.9)	4,9 (10.0)	5,2 (10.6)
76,0 (250)							5,5 (12.0)	5,2 (11.4)	4,9 (10.7)	4,0 (8.7)	3,6 (7.8)	3,8 (8.4)
78,0 (265)								4,3 –	4,0 (6.3)	3,3 (5.7)	3,0 (4.9)	3,2 (5.5)
80,0 (270)									3,2 –	2,7 (4.7)	2,4 (4.0)	2,7 (4.6)
82,0 (275)										2,2 –	1,8 –	2,1 –

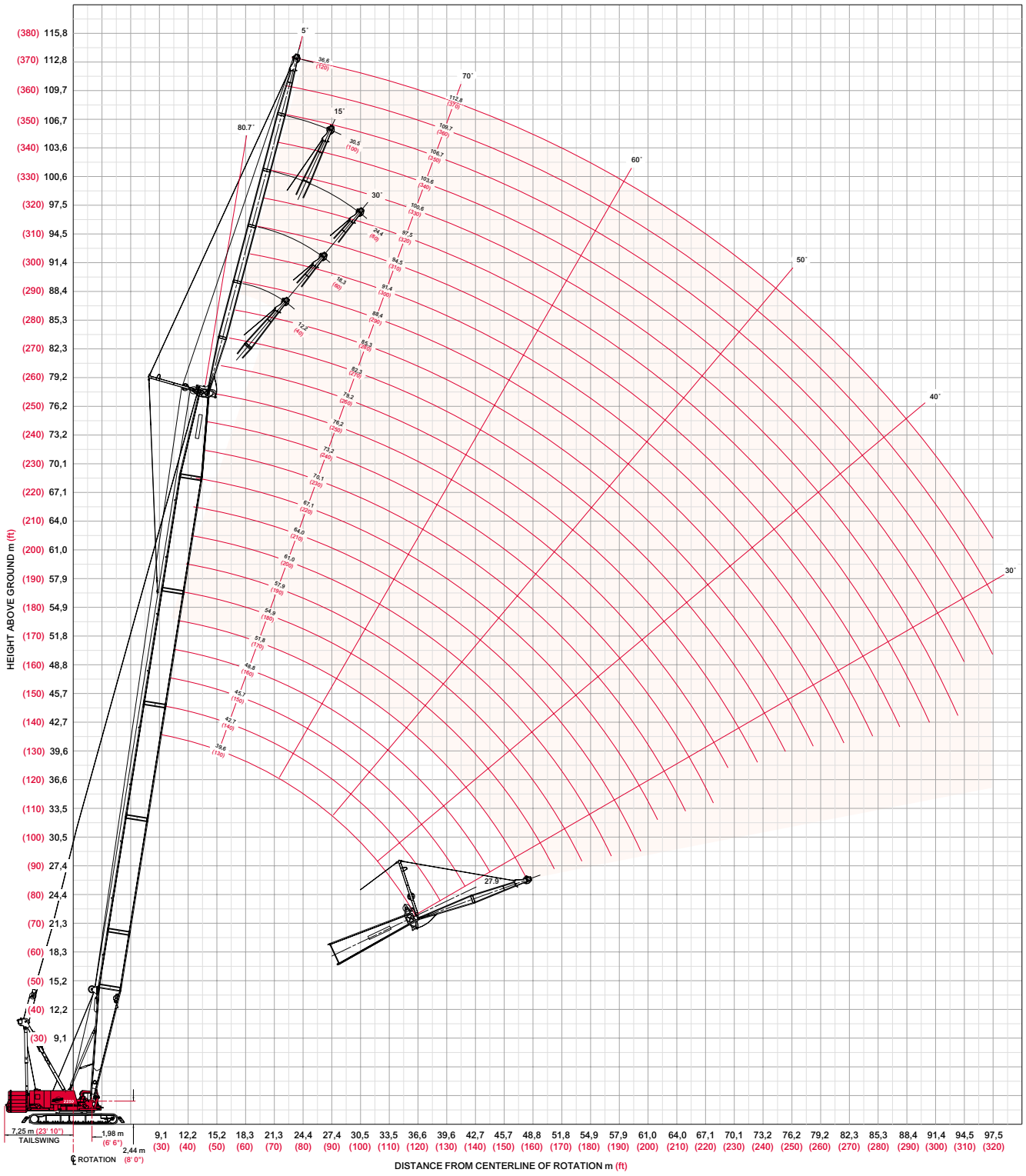
Fixed Jib No. 132 on Boom No. 44

Jib Length m (ft)	Deduct from Capacity when fixed jib is attached kg (lb)
12,2 (40)	2 900 (6,400)
18,3 (60)	3 720 (8,200)
24,4 (80)	4 670 (10,300)
30,5 (100)	5 810 (12,800)
36,6 (120)	6 940 (15,300)

Meets ANSI B30.5 Requirements - Capacities do not exceed 75% of static tipping load.
NOTICE: This capacity chart is for reference only and must not be used for lifting purposes.

fixed jib range diagram

No. 132 Fixed Jib on No. 44 Heavy-Lift Boom



Liftcrane Jib Capacities - 2250 Series 3
Jib No. 132 with 6 096 mm (20 ft) Strut on Boom No. 44 with Heavy-Lift Top

113 040 kg (249,200 lb) Crane Counterweight 54 430 kg (120,000 lb) Carbody Counterweight

360° Rating **kg (lb) x 1 000**

Jib Length 12,2 m (40 ft)

		5° Offset					30° Offset				
Boom m (ft)		39,6 (130)	48,8 (160)	57,9 (190)	70,1 (230)	79,2 (260)	39,6 (130)	48,8 (160)	57,9 (190)	70,1 (230)	79,2 (260)
Radius											
12,2 (40)		45,3 (100.0)									
14,0 (45)		42,3 (94.2)	44,5 (99.0)								
18,0 (60)		37,6 (82.3)	40,0 (87.6)	41,9 (92.0)	40,8 (90.0)	– (90.0)	25,3 (55.5)	– (57.4)			
24,0 (80)		32,4 (71.0)	34,8 (76.2)	36,9 (80.8)	39,3 (86.1)	40,6 (89.5)	22,3 (48.8)	23,4 (51.3)	24,3 (53.3)	25,3 (55.5)	25,8 (56.8)
30,0 (110)		28,7 (59.6)	31,0 (64.5)	33,1 (68.9)	35,5 (71.4)	36,9 (70.6)	20,0 (41.9)	21,2 (44.5)	22,2 (46.7)	23,3 (49.2)	24,0 (50.8)
40,0 (140)		24,5 (52.4)	26,4 (53.2)	25,8 (51.5)	24,7 (49.2)	24,3 (48.4)	17,5 (37.7)	18,6 (39.9)	19,6 (42.1)	20,7 (44.6)	21,5 (46.3)
52,0 (170)			16,5 (36.7)	16,4 (36.6)	15,8 (35.3)	15,5 (34.5)			17,4 (38.7)	16,5 (36.7)	16,2 (36.1)
60,0 (200)				11,5 (24.3)	10,9 (23.2)	11,0 (23.2)				11,9 (25.2)	12,1 (25.5)
68,0 (230)					7,2 (14.1)	7,2 (14.2)					8,0 (15.7)
76,0 (250)					4,1 (9.1)	4,2 (9.3)					
80,0 (270)						3,0 (5.2)					

Jib Length 18,3 m (60 ft)

Boom m (ft)		39,6 (130)	48,8 (160)	57,9 (190)	70,1 (230)	79,2 (260)	39,6 (130)	48,8 (160)	57,9 (190)	70,1 (230)	79,2 (260)
Radius											
15,2 (50)		32,8 (72.4)									
16,0 (55)		32,5 (70.9)	– (72.5)								
20,0 (70)		30,8 (66.8)	31,6 (68.7)	32,3 (70.3)	33,0 (71.9)	– (60.0)	– (41.8)				
28,0 (90)		28,0 (62.2)	29,0 (64.4)	29,8 (66.2)	30,7 (68.2)	27,2 (60.0)	16,5 (36.8)	17,2 (38.5)	17,9 (39.9)	18,6 (41.4)	19,0 (42.4)
36,0 (120)		25,9 (56.9)	26,9 (59.2)	27,8 (61.2)	28,9 (63.4)	27,2 (60.0)	14,4 (31.6)	15,2 (33.4)	15,9 (35.0)	16,7 (36.8)	17,2 (37.9)
44,0 (150)		22,7 (48.4)	23,6 (49.2)	22,9 (47.6)	21,8 (45.3)	21,4 (44.5)	13,0 (28.1)	13,7 (29.8)	14,5 (31.4)	15,3 (33.2)	15,8 (34.4)
56,0 (180)		– (33.8)	15,3 (35.4)	15,1 (35.0)	14,4 (33.1)	14,0 (32.2)			12,9 (28.8)	13,6 (30.5)	14,2 (31.7)
64,0 (210)				10,7 (23.7)	10,1 (22.3)	10,0 (22.2)				11,2 (24.9)	11,3 (25.1)
72,0 (240)					6,7 (13.9)	6,6 (13.8)					7,6 (15.8)
80,0 (260)					3,9 (9.3)	3,9 (9.2)					
84,0 (280)						2,7 (5.3)					

Meets ANSI B30.5 Requirements - Capacities do not exceed 75% of static tipping load.
NOTICE: This capacity chart is for reference only and must not be used for lifting purposes.

fixed jib load charts

Liftcrane Jib Capacities - 2250 Series 3
Jib No. 132 with 6 096 mm (20 ft) Strut on Boom No. 44 with Heavy-Lift Top

113 040 kg (249,200 lb) Crane Counterweight 54 430 kg (120,000 lb) Carbody Counterweight

360° Rating kg (lb) x 1 000

Jib Length 30,5 m (100 ft)

Boom m (ft)	5° Offset 39,6 (130)	48,8 (160)	57,9 (190)	70,1 (220)	76,2 (250)	30° Offset 39,6 (130)	48,8 (160)	57,9 (190)	70,1 (220)	76,2 (250)
Radius										
18,3 (60)	18,3 (40.5)									
20,0 (70)	17,9 (38.8)	18,3 (39.7)	(40.5)							
24,0 (80)	16,9 (37.3)	17,4 (38.3)	17,8 (39.2)	18,1 (39.9)	– (40.6)					
30,0 (100)	15,7 (34.4)	16,2 (35.7)	16,7 (36.8)	17,1 (37.6)	17,4 (38.4)	11,9 (26.1)	– (26.8)			
40,0 (130)	13,6 (30.3)	14,4 (32.0)	15,0 (33.4)	15,6 (34.6)	16,0 (35.5)	9,9 (22.1)	10,4 (23.2)	10,8 (24.1)	11,2 (24.9)	11,5 (25.6)
52,0 (160)	11,6 (26.8)	12,4 (28.6)	13,2 (30.2)	13,8 (31.6)	14,4 (32.8)	8,3 (19.3)	8,8 (20.4)	9,3 (21.4)	9,7 (22.2)	10,0 (23.0)
60,0 (190)	10,6 (24.0)	11,4 (25.8)	12,1 (27.4)	12,8 (28.8)	13,2 (30.1)	– (17.2)	8,1 (18.3)	8,5 (19.3)	8,9 (20.2)	9,2 (20.9)
68,0 (220)		10,5 (23.5)	10,7 (24.5)	10,1 (23.2)	9,9 (22.8)		– (16.8)	7,9 (17.7)	8,3 (18.5)	8,6 (19.3)
76,0 (250)			7,6 (16.7)	7,0 (15.4)	6,8 (15.0)				7,8 (17.2)	8,1 (18.0)
84,0 (280)				4,5 (9.2)	4,3 (8.9)					5,6 (11.6)
92,0 (300)					2,3 (5.4)					

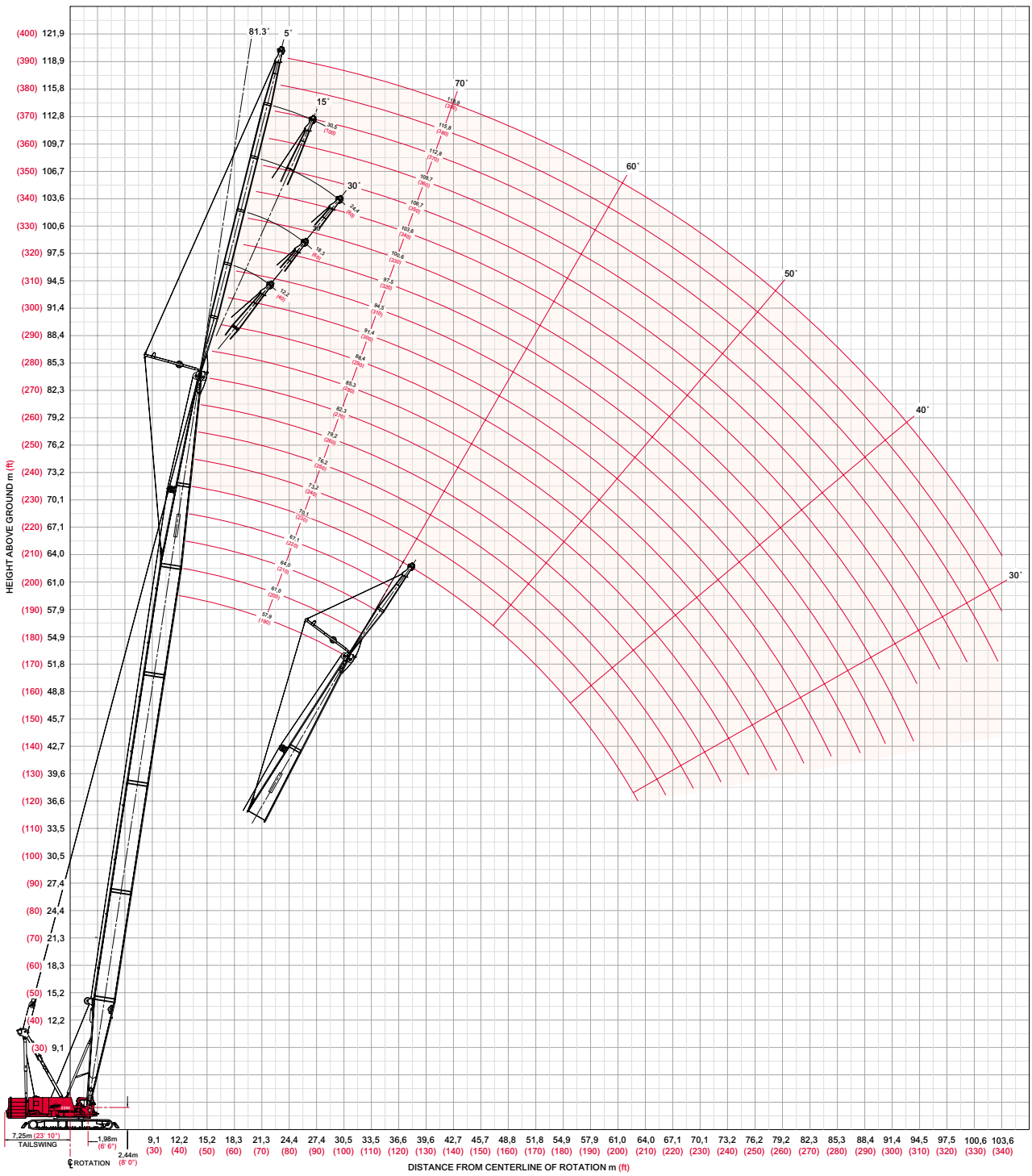
Jib Length 36,6 m (120 ft)

Boom m (ft)	39,6 (130)	48,8 (160)	57,9 (190)	70,1 (220)	76,2 (250)	39,6 (130)	48,8 (160)	57,9 (190)	70,1 (220)	76,2 (250)
Radius										
18,3 (60)	14,8 (32.8)									
20,0 (70)	14,5 (31.2)	14,8 (32.1)	– (32.8)							
24,0 (80)	13,5 (29.6)	14,0 (30.7)	14,3 (31.5)	14,7 (32.3)	– (32.8)					
30,0 (100)	12,1 (26.6)	12,7 (27.9)	13,2 (28.9)	13,6 (29.9)	13,9 (30.6)					
40,0 (130)	10,1 (22.5)	10,8 (24.0)	11,4 (25.3)	11,9 (26.4)	12,3 (27.4)	7,4 (16.6)	7,7 (17.2)	7,9 (17.6)	8,1 (18.0)	8,3 (18.4)
52,0 (160)	8,1 (19.0)	8,9 (20.7)	9,5 (22.1)	10,1 (23.4)	10,6 (24.5)	6,3 (14.5)	6,6 (15.2)	6,9 (15.8)	7,1 (16.3)	7,3 (16.8)
60,0 (190)	7,1 (16.3)	7,8 (17.9)	8,5 (19.4)	9,1 (20.7)	9,6 (21.9)	5,7 (13.0)	6,0 (13.7)	6,3 (14.3)	6,6 (14.9)	6,8 (15.4)
68,0 (220)	6,2 (14.1)	6,9 (15.6)	7,6 (17.1)	8,2 (18.4)	8,8 (19.6)	– (12.0)	5,6 (12.5)	5,9 (13.1)	6,1 (13.7)	6,3 (14.2)
76,0 (250)		6,2 (13.8)	6,8 (15.1)	7,4 (16.4)	7,2 (15.9)			5,5 (12.2)	5,7 (12.7)	6,0 (13.2)
84,0 (280)			5,7 (11.7)	5,0 (10.4)	4,8 (9.8)				5,4 (12.1)	5,7 (12.5)
92,0 (310)				2,9 (5.3)	2,7 (4.9)					4,1 –

Meets ANSI B30.5 Requirements - Capacities do not exceed 75% of static tipping load.
NOTICE: This capacity chart is for reference only and must not be used for lifting purposes.

fixed jib range diagram

No. 132 Fixed Jib on No. 44 Long-Reach Boom



fixed jib load charts

Liftcrane Jib Capacities - 2250 Series 3
Jib No. 132 with 6 096 mm (20 ft) Strut on Boom No. 44 with Long-Reach Top

113 040 kg (249,200 lb) Crane Counterweight 54 430 kg (120,000 lb) Carbody Counterweight

360° Rating **kg (lb) x 1 000**

Jib Length 12,2 m (40 ft)

Boom m (ft)	5° Offset 57,9 (190)	64,0 (210)	70,1 (230)	79,2 (260)	85,3 (280)	30° Offset 57,9 (190)	64,0 (210)	70,1 (230)	79,2 (260)	85,3 (280)
Radius										
13,7 (45)	45,3 (100.0)									
16,0 (55)	43,7 (94.5)	44,6 (96.9)	– (90.0)							
22,0 (70)	38,1 (85.3)	39,3 (87.9)	40,3 (90.0)	40,8 (90.0)	37,1 (82.3)	25,2 (56.1)	25,5 (56.7)	25,8 (57.2)		
30,0 (100)	32,8 (71.9)	34,1 (74.6)	35,2 (77.1)	36,7 (80.5)	35,3 (77.8)	22,1 (48.5)	22,7 (49.9)	23,3 (51.1)	24,1 (52.9)	24,6 (53.9)
40,0 (130)	27,4 (61.3)	26,9 (60.3)	26,4 (59.1)	25,6 (57.4)	25,1 (56.2)	19,3 (42.9)	20,0 (44.3)	20,6 (45.7)	21,4 (47.5)	21,9 (48.6)
48,0 (160)	21,0 (45.4)	20,6 (44.4)	20,0 (43.2)	19,3 (41.5)	18,7 (40.2)	17,7 (38.9)	18,4 (40.3)	18,9 (41.5)	19,7 (43.0)	19,5 (41.9)
56,0 (190)	16,2 (33.3)	16,1 (33.1)	15,6 (32.4)	14,8 (30.9)	14,2 (29.6)	16,6 –	16,5 (34.5)	16,0 (33.4)	15,3 (31.9)	14,8 (30.8)
68,0 (220)		10,1 (23.2)	9,8 (22.5)	9,3 (21.4)	8,8 (20.3)				10,0 (23.0)	9,5 (22.1)
76,0 (250)			6,7 (14.8)	6,3 (13.9)	5,8 (12.8)					6,4 (14.1)
84,0 (270)				3,9 (9.7)	3,4 (8.8)					
88,0 (290)					2,4 (5.1)					

Jib Length 18,3 m (60 ft)

Boom m (ft)	57,9 (190)	64,0 (210)	70,1 (230)	79,2 (260)	85,3 (280)	57,9 (190)	64,0 (210)	70,1 (230)	79,2 (260)	85,3 (280)
Radius										
16,8 (55)	33,3 (73.5)									
20,0 (65)	32,1 (71.1)	32,5 (72.0)	32,9 (72.7)							
24,0 (80)	30,9 (67.9)	31,3 (68.9)	31,7 (69.7)	32,2 (70.8)	27,2 (60.0)	– (39.9)	– (40.6)			
34,0 (110)	28,2 (62.5)	28,7 (63.7)	28,0 (62.4)	27,4 (61.0)	26,7 (59.4)	15,6 (34.7)	16,0 (35.6)	16,3 (36.3)	16,8 (37.4)	17,1 (38.0)
44,0 (140)	24,3 (55.7)	23,9 (55.1)	23,4 (54.0)	22,6 (52.4)	22,1 (51.2)	13,8 (30.9)	14,2 (31.8)	14,6 (32.7)	15,1 (33.8)	15,4 (34.5)
52,0 (170)	19,0 (42.3)	18,6 (41.3)	18,0 (40.1)	17,3 (38.5)	16,8 (37.3)	12,7 (28.2)	13,1 (29.0)	13,5 (29.9)	14,0 (31.0)	14,3 (31.7)
60,0 (200)	15,0 (32.0)	14,7 (31.6)	14,2 (30.6)	13,5 (28.9)	12,9 (27.7)		12,3 (27.0)	12,6 (27.7)	13,1 (28.8)	13,4 (29.4)
72,0 (230)	– (22.7)	9,4 (22.5)	9,1 (21.7)	8,5 (20.5)	8,0 (19.4)				9,4 (22.5)	9,0 (21.7)
80,0 (260)			6,3 (14.6)	5,8 (13.5)	5,3 (12.4)					– (14.0)
88,0 (290)				3,6 (7.8)	3,1 (6.8)					
92,0 (300)					2,1 (5.1)					

Meets ANSI B30.5 Requirements - Capacities do not exceed 75% of static tipping load.
NOTICE: This capacity chart is for reference only and must not be used for lifting purposes.

Liftcrane Jib Capacities - 2250 Series 3
Jib No. 132 with 6 096 mm (20 ft) Strut on Boom No. 44 with Long-Reach Top

113 040 kg (249,200 lb) Crane Counterweight 54 430 kg (120,000 lb) Carbody Counterweight

360° Rating **kg (lb) x 1 000**

Jib Length 30,5 m (100 ft)

Boom m (ft)	5° Offset 57,9 (190)	64,0 (210)	70,1 (230)	76,2 (250)	82,3 (270)	30° Offset 57,9 (190)	64,0 (210)	70,1 (230)	76,2 (250)	82,3 (270)
Radius										
19,8 (65)	18,6 (41.1)									
22,0 (75)	18,2 (39.8)	18,4 (40.3)	– (40.7)	– (41.1)						
30,0 (100)	16,7 (36.7)	16,9 (37.3)	17,2 (37.8)	17,4 (38.3)	17,6 (38.8)					
38,0 (125)	15,3 (33.9)	15,7 (34.6)	16,0 (35.3)	16,2 (35.9)	16,5 (36.4)	10,5 (23.2)	10,7 (23.7)	10,9 (24.2)	11,1 (24.6)	11,3 (25.0)
44,0 (150)	14,4 (31.1)	14,7 (32.0)	15,1 (32.8)	15,4 (33.6)	15,7 (34.2)	9,7 (20.9)	9,9 (21.5)	10,1 (22.0)	10,3 (22.4)	10,5 (22.9)
52,0 (180)	13,1 (28.2)	13,6 (29.1)	14,0 (30.0)	14,3 (30.9)	14,7 (31.6)	8,7 (18.8)	9,0 (19.4)	9,2 (19.9)	9,5 (20.4)	9,6 (20.8)
64,0 (210)	11,6 (25.7)	12,1 (26.7)	12,5 (27.6)	12,7 (28.0)	12,1 (26.8)	7,7 (17.7)	8,0 (17.7)	8,2 (18.2)	8,4 (18.7)	8,6 (19.1)
72,0 (240)	10,8 (23.3)	10,7 (22.7)	10,2 (21.8)	9,9 (21.0)	9,4 (19.8)		7,5 (16.4)	7,7 (16.9)	7,9 (17.3)	8,1 (17.8)
84,0 (270)	– (16.6)	6,8 (16.1)	6,4 (15.2)	6,0 (14.4)	5,5 (13.3)				7,2 (16.3)	6,9 (16.5)
88,0 (290)			5,3 (11.6)	5,0 (10.8)	4,4 (9.7)					5,6 (12.2)
96,0 (320)				3,0 (6.1)	2,6 (5.1)					

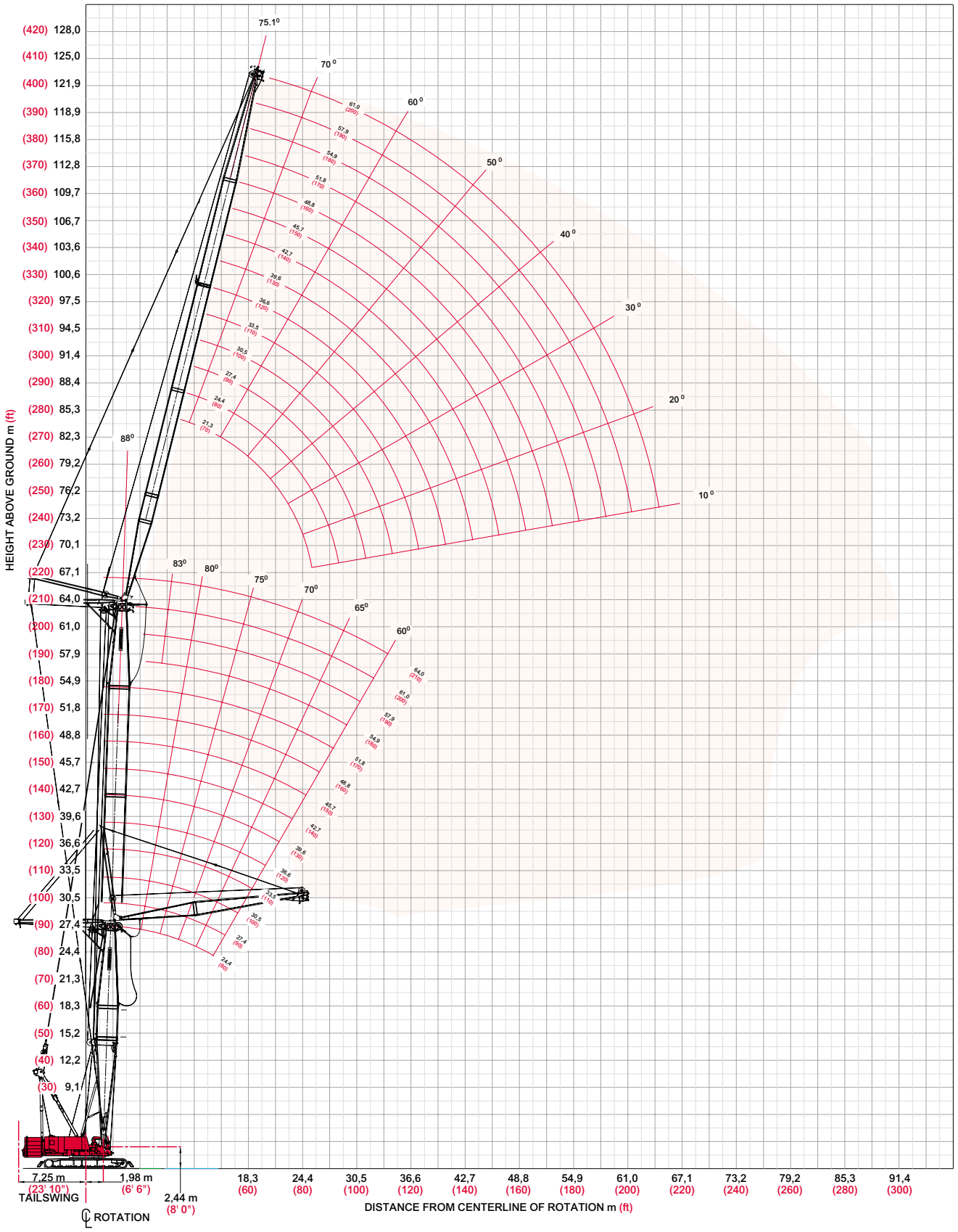
Jib Length 36,6 m (120 ft)

Boom m (ft)	5° Offset 57,9 (190)	64,0 (210)	70,1 (230)	76,2 (250)	82,3 (270)	30° Offset 57,9 (190)	64,0 (210)	70,1 (230)	76,2 (250)	82,3 (270)
Radius										
21,3 (70)	14,8 (32.8)									
28,0 (90)	13,5 (30.1)	13,8 (30.7)	14,0 (31.2)	14,2 (31.7)	14,4 (32.1)					
36,0 (120)	12,0 (26.4)	12,3 (27.1)	12,6 (27.8)	12,9 (28.4)	13,1 (28.9)	8,3 (18.2)	8,3 (18.4)	– (18.6)		
44,0 (140)	10,7 (24.1)	11,0 (24.9)	11,4 (25.7)	11,7 (26.3)	12,0 (26.9)	7,5 (16.9)	7,6 (17.2)	7,7 (17.4)	7,9 (17.7)	8,0 (17.9)
52,0 (170)	9,5 (21.1)	9,9 (22.0)	10,3 (22.8)	10,6 (23.5)	10,9 (24.2)	6,8 (15.2)	7,0 (15.5)	7,1 (15.8)	7,2 (16.1)	7,4 (16.4)
60,0 (200)	8,5 (18.5)	8,9 (19.4)	9,2 (20.2)	9,6 (21.0)	10,0 (21.8)	6,3 (13.8)	6,4 (14.2)	6,6 (14.5)	6,7 (14.8)	6,9 (15.1)
72,0 (230)	7,2 (16.3)	7,6 (17.2)	7,9 (18.0)	8,3 (18.8)	8,7 (19.6)	5,6 (12.7)	5,8 (13.1)	6,0 (13.4)	6,1 (13.8)	6,2 (14.1)
80,0 (260)	6,5 (14.5)	6,8 (15.3)	7,2 (16.2)	7,5 (17.0)	7,0 (16.0)	– (12.0)	5,5 (12.3)	5,6 (12.6)	5,8 (12.9)	5,9 (13.2)
88,0 (290)	5,9 (13.1)	6,1 (13.4)	5,7 (12.4)	5,3 (11.5)	4,8 (10.4)			5,4 (12.0)	5,5 (12.2)	5,6 (12.5)
96,0 (320)			3,8 (7.8)	3,4 (7.0)	2,9 (5.8)					4,1 (8.2)
100,0 (340)				2,6 (4.3)	2,1 –					

Meets ANSI B30.5 Requirements - Capacities do not exceed 75% of static tipping load.
NOTICE: This capacity chart is for reference only and must not be used for lifting purposes.

luffing jib range diagram

No. 133A or 133 Luffing Jib on No. 44 Heavy-Lift Boom



luffing jib load charts

Liftcrane Luffing Jib Capacities - 2250 Series 3
Luffing Jib No. 133 or No. 133A on Boom No. 44 with Heavy-Lift Top

113 040 kg (249,200 lb) Counterweight **54 430 kg (120,000 lb) Carbody Counterweight**

360° Rating **kg (lb) x 1 000**

88° Boom Angle

Luffing Jib Length 21,3 m (70 ft)

Boom m (ft)	24,4 (80)	33,5 (110)	42,7 (140)	51,8 (170)	61,0 (200)
Radius					
9,8 (32)	95,2 (210.0)				
11,0 (36)	86,9 (192.0)	83,1 (183.3)	82,5 (182.0)		
12,0 (40)	80,6 (175.3)	78,8 (172.2)	78,7 (172.0)	– (148.7)	– (131.6)
14,0 (45)	69,0 (156.1)	70,9 (159.8)	71,6 (160.7)	62,6 (139.7)	55,7 (124.3)
16,0 (55)	56,9 (117.7)	58,6 (120.9)	60,6 (124.2)	57,9 (124.1)	51,8 (111.4)
22,0 (70)	37,0 (85.0)	37,7 (86.7)	38,4 (88.5)	39,4 (90.8)	40,5 (93.0)
26,0 (85)					
30,0 (100)					
34,0 (110)					
36,0 (120)					

Luffing Jib Length 33,5 m (110 ft)

Boom m (ft)	24,4 (80)	33,5 (110)	42,7 (140)	51,8 (170)	61,0 (200)
Radius					
9,8 (32)					
11,0 (36)					
12,0 (40)	– (159.8)	– (151.4)			
14,0 (45)	65,5 (146.8)	63,7 (142.2)	62,4 (139.0)	55,1 (122.7)	47,1 (104.7)
16,0 (55)	58,1 (122.4)	58,8 (125.8)	58,1 (124.8)	51,5 (110.9)	44,4 (95.6)
22,0 (70)	38,1 (87.8)	38,9 (89.6)	39,7 (91.5)	41,1 (94.2)	35,6 (80.7)
26,0 (85)	30,4 (67.4)	30,9 (68.6)	31,5 (69.8)	32,2 (71.4)	30,0 (66.6)
30,0 (100)	25,0 (54.1)	25,4 (54.8)	25,8 (55.7)	26,3 (56.8)	25,3 (54.7)
34,0 (110)	21,0 (47.4)	21,3 (48.0)	21,6 (48.7)	22,0 (49.6)	21,5 (48.3)
36,0 (120)	18,0 (35.8)	19,0 (39.7)	19,7 (42.0)	20,1 (43.2)	19,9 (43.2)

Luffing Jib Length 48,8 m (160 ft)

Boom m (ft)	24,4 (80)	33,5 (110)	42,7 (140)	51,8 (170)	61,0 (200)
Radius					
16,0 (55)	– (102.6)	– (99.5)	– (96.3)	– (82.1)	– (69.1)
20,0 (65)	42,8 (95.2)	42,0 (93.1)	41,0 (90.8)	34,9 (77.3)	29,4 (65.1)
24,0 (80)	33,8 (72.9)	34,4 (74.3)	35,7 (76.6)	31,5 (68.7)	26,6 (58.2)
30,0 (100)	24,6 (53.2)	25,0 (54.0)	25,6 (55.3)	25,9 (56.2)	22,2 (48.4)
36,0 (120)	18,8 (40.7)	19,1 (41.3)	19,6 (42.2)	19,8 (42.7)	18,2 (39.4)
42,0 (140)	14,8 (32.0)	15,2 (32.7)	15,4 (33.3)	15,6 (33.7)	14,9 (32.1)
50,0 (160)	10,8 (25.6)	11,1 (26.4)	11,6 (26.8)	11,7 (27.1)	11,6 (26.5)
56,0 (180)					
60,0 (200)					
64,0 (210)					

Luffing Jib Length 61,0 m (200 ft)

Boom m (ft)	24,4 (80)	33,5 (110)	42,7 (140)	51,8 (170)	61,0 (200)
Radius					
16,0 (55)					
20,0 (65)	32,7 (72.5)	32,0 (70.9)	29,7 (65.8)	26,0 (57.6)	22,3 (49.5)
24,0 (80)	28,9 (63.0)	28,6 (62.5)	28,1 (61.6)	24,5 (53.9)	21,1 (46.3)
30,0 (100)	23,4 (50.9)	23,5 (51.1)	23,6 (51.3)	21,8 (47.7)	18,8 (41.0)
36,0 (120)	18,2 (39.2)	18,4 (39.7)	18,7 (40.3)	18,8 (40.9)	16,2 (35.4)
42,0 (140)	14,2 (30.5)	14,4 (31.0)	14,6 (31.4)	14,9 (32.1)	13,8 (30.0)
50,0 (160)	10,4 (24.2)	10,6 (24.6)	10,8 (24.9)	11,0 (25.4)	11,0 (25.3)
56,0 (180)	8,4 (19.3)	8,6 (19.8)	8,7 (20.0)	8,8 (20.4)	8,9 (20.6)
60,0 (200)	7,2 (15.4)	7,4 (15.8)	7,5 (16.2)	7,7 (16.5)	7,8 (16.6)
64,0 (210)	4,6 (10.3)	5,4 (12.1)	5,9 (13.1)	6,0 (13.4)	6,3 (14.1)

Meets ANSI B30.5 Requirements - Capacities do not exceed 75% of static tipping load.
NOTICE: This capacity chart is for reference only and must not be used for lifting purposes.

luffing jib load charts

Liftcrane Luffing Jib Capacities - 2250 Series 3
Luffing Jib No. 133 or No. 133A on Boom No. 44 with Heavy-Lift Top

113 040 kg (249,200 lb) Counterweight **54 430 kg (120,000 lb) Carbody Counterweight**

360° Rating **kg (lb) x 1 000**

75° Boom Angle

Luffing Jib Length 21,3 m (70 ft)

Boom m (ft)	24,4 (80)	33,5 (110)	42,7 (140)	51,8 (170)	61,0 (200)
Radius					
20,0 (65)	66,2 (148.5)				
22,0 (70)	55,0 (128.6)	61,5 (140.9)			
24,0 (80)	47,0 (100.9)	55,1 (119.3)	– (115.8)		
28,0 (90)	36,1 (82.5)	41,9 (96.2)	44,2 (100.1)	42,7 (96.7)	
30,0 (100)		36,9 (79.2)	40,6 (87.9)	39,2 (84.9)	36,4 (78.8)
36,0 (120)				31,2 (67.6)	28,9 (62.5)
42,0 (140)					
46,0 (150)					
48,0 (160)					
50,0 (170)					

Luffing Jib Length 33,5 m (110 ft)

Boom m (ft)	24,4 (80)	33,5 (110)	42,7 (140)	51,8 (170)	61,0 (200)
Radius					
20,0 (65)					
22,0 (70)					
24,0 (80)					
28,0 (90)	37,3 (85.2)	43,5 (99.6)			
30,0 (100)	33,2 (71.3)	38,1 (81.7)	– (85.9)		
36,0 (120)	24,6 (52.9)	27,5 (59.0)	31,1 (66.4)	30,1 (65.1)	27,7 (59.9)
42,0 (140)		21,0 (45.2)	23,2 (49.9)	24,6 (53.2)	22,5 (48.8)
46,0 (150)			– (44.0)	21,7 (48.5)	19,9 (44.4)
48,0 (160)				20,1 (43.0)	18,7 (40.5)
50,0 (170)					17,7 (36.8)

Luffing Jib Length 48,8 m (160 ft)

Boom m (ft)	24,4 (80)	33,5 (110)	42,7 (140)	51,8 (170)	61,0 (200)
Radius					
30,0 (100)					
34,0 (110)	26,7 (60.3)				
36,0 (120)	24,2 (52.0)	27,2 (58.3)	– (66.0)		
42,0 (140)	18,6 (39.9)	20,5 (44.1)	23,0 (49.3)	23,4 (50.6)	21,1 (45.6)
48,0 (160)	14,6 (31.5)	16,1 (34.7)	17,8 (38.2)	19,4 (41.8)	17,4 (37.5)
54,0 (180)	11,7 (25.2)	13,0 (27.9)	14,2 (30.4)	15,5 (33.2)	14,5 (31.3)
60,0 (200)			11,5 (24.7)	12,5 (26.7)	12,2 (26.4)
68,0 (220)					– (22.1)
72,0 (240)					
76,0 (260)					

Luffing Jib Length 61,0 m (200 ft)

Boom m (ft)	24,4 (80)	33,5 (110)	42,7 (140)	51,8 (170)	61,0 (200)
Radius					
30,0 (100)					
34,0 (110)					
36,0 (120)					
42,0 (140)	17,9 (38.4)	19,9 (42.6)	– (46.8)		
48,0 (160)	13,9 (29.9)	15,4 (33.0)	17,0 (36.3)	18,2 (39.2)	16,4 (35.3)
54,0 (180)	11,1 (23.7)	12,2 (26.1)	13,3 (28.5)	14,8 (31.6)	13,5 (29.1)
60,0 (200)	8,9 (19.0)	9,8 (20.9)	10,7 (22.8)	11,7 (25.1)	11,3 (24.2)
68,0 (220)	6,6 (15.1)	7,4 (16.9)	8,0 (18.4)	8,8 (20.1)	8,9 (20.3)
72,0 (240)			7,0 (14.8)	7,6 (16.3)	7,9 (16.9)
76,0 (260)				6,6 –	7,0 (13.7)

Meets ANSI B30.5 Requirements - Capacities do not exceed 75% of static tipping load.
NOTICE: This capacity chart is for reference only and must not be used for lifting purposes.

luffing jib load charts

Liftcrane Luffing Jib Capacities - 2250 Series 3
Luffing Jib No. 133 or No. 133A on Boom No. 44 with Heavy-Lift Top

113 040 kg (249,200 lb) Counterweight **54 430 kg (120,000 lb) Carbody Counterweight**

360° Rating **kg (lb) x 1 000**

60° Boom Angle

Luffing Jib Length 21,3 m (70 ft)

Boom m (ft)	24,4 (80)	33,5 (110)	42,7 (140)	51,8 (170)	61,0 (200)
Radius					
30,0 (100)	– (87.1)				
34,0 (110)	34,4 (77.4)				
36,0 (120)		30,3 (65.6)			
38,0 (130)		28,3 (59.2)	– (55.3)		
42,0 (140)			23,2 (50.3)		
48,0 (160)				17,9 (38.7)	– (34.0)
54,0 (180)					
56,0 (190)					
60,0 (200)					
64,0 (210)					

Luffing Jib Length 33,5 m (110 ft)

Boom m (ft)	24,4 (80)	33,5 (110)	42,7 (140)	51,8 (170)	61,0 (200)
Radius					
30,0 (100)					
34,0 (110)					
36,0 (120)					
38,0 (130)	– (60.8)				
42,0 (140)	24,6 (52.8)	– (52.0)			
48,0 (160)		20,2 (43.7)	18,6 (40.2)		
54,0 (180)			15,9 (34.2)	14,0 (30.3)	
56,0 (190)			15,0 –	13,3 (27.9)	
60,0 (200)				11,9 (25.6)	9,9 (21.3)
64,0 (210)					8,8 (19.6)

Luffing Jib Length 48,8 m (160 ft)

Boom m (ft)	24,4 (80)	33,5 (110)	42,7 (140)	51,8 (170)	61,0 (200)
Radius					
50,0 (160)	17,1 (39.7)				
54,0 (170)	14,6 (35.1)	16,0 –			
56,0 (180)	13,6 (31.3)	15,1 (34.5)			
58,0 (200)	12,6 (25.1)	14,3 (29.3)	12,8 (26.1)		
68,0 (220)		– (24.4)	9,7 (22.1)	8,2 (18.7)	6,3 (14.4)
72,0 (230)			– (20.4)	7,3 (17.2)	5,5 (13.1)
76,0 (250)				6,5 (14.3)	4,8 (10.7)
80,0 (270)					4,2 –
84,0 (280)					
88,0 (290)					

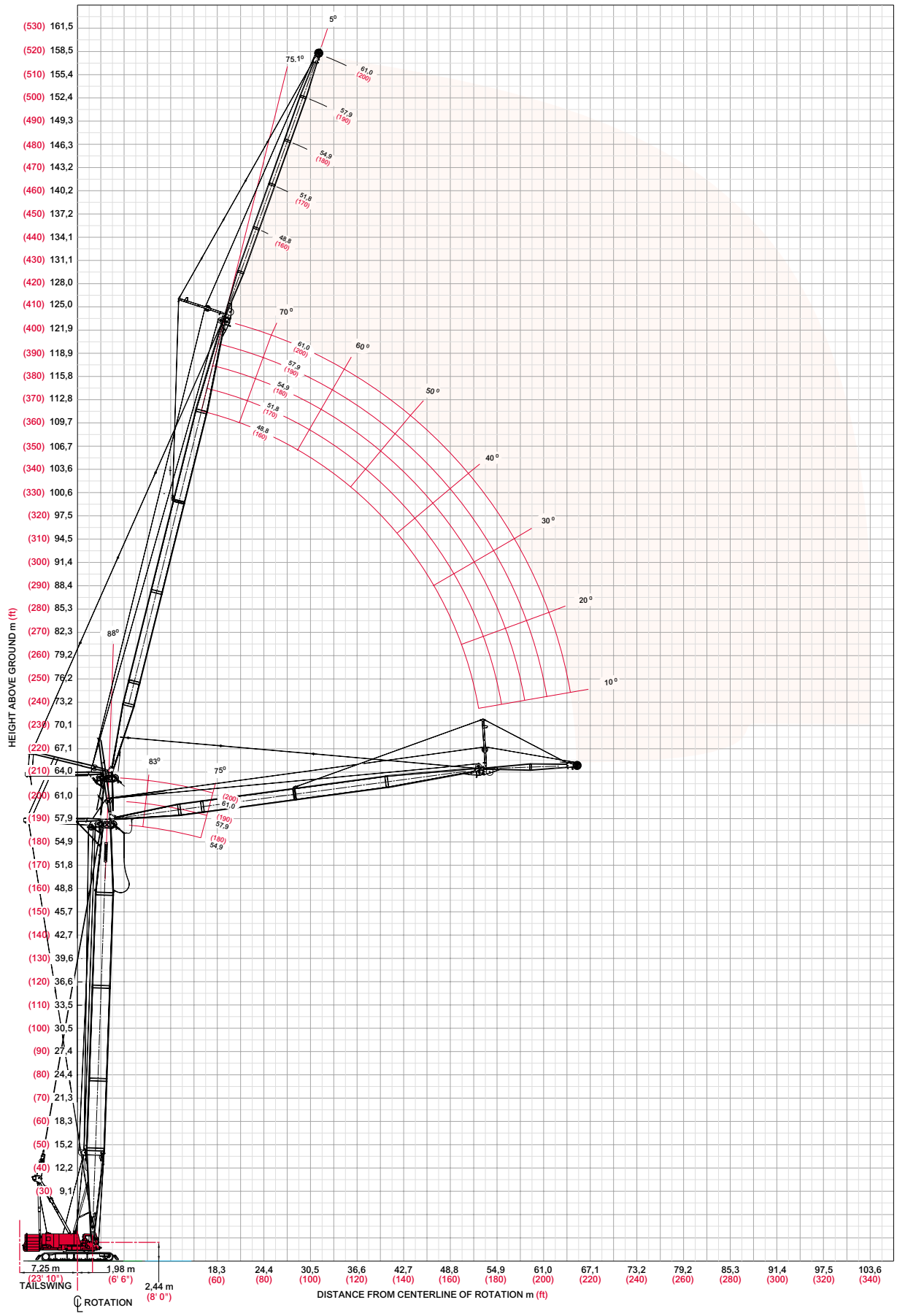
Luffing Jib Length 61,0 m (200 ft)

Boom m (ft)	24,4 (80)	33,5 (110)	42,7 (140)	51,8 (170)	61,0 (200)
Radius					
50,0 (160)					
54,0 (170)					
56,0 (180)					
58,0 (200)	11,9 (23.6)	– (26.9)			
68,0 (220)	8,2 (18.9)	9,9 (22.6)	8,6 (19.7)		
72,0 (230)	7,1 (16.9)	8,6 (20.3)	7,7 (18.0)	6,1 (14.5)	
76,0 (250)		7,4 (16.4)	6,8 (15.1)	5,4 (11.9)	3,6 (8.0)
80,0 (270)			6,0 (12.5)	4,7 (9.6)	3,0 (6.1)
84,0 (280)				4,1 (8.6)	2,5 (5.2)
88,0 (290)				3,5 (7.6)	2,0 (4.3)

Meets ANSI B30.5 Requirements - Capacities do not exceed 75% of static tipping load.
NOTICE: This capacity chart is for reference only and must not be used for lifting purposes.

fixed jib on luffing jib range diagram

No. 140 Fixed Jib on No. 133A or 133 Luffing Jib on No. 44 Heavy-Lift Boom



fixed jib on luffing jib load charts

Liftcrane Fixed Jib on Luffing Capacities - 2250 Series 3
Fixed Jib No. 140 Set at 5 Degree Offset Angle on
Luffing Jib No. 133 or No. 133A on Boom No. 44 with Heavy-Lift Top

113 040 kg (249,200 lb) Counterweight 54 430 kg (120,000 lb) Carbody Counterweight

360° Rating **kg (lb) x 1 000**

88° Boom Angle

Fixed Jib Length 12,2 m (40 ft) 5° offset

Luffing Jib m (ft)	48,8 (160)			51,8 (170)			57,9 (190)			61,0 (200)		
Boom m (ft)	54,9 (180)	57,9 (190)	61,0 (200)	54,9 (180)	57,9 (190)	61,0 (200)	54,9 (180)	57,9 (190)	61,0 (200)	54,9 (180)	57,9 (190)	61,0 (200)
Radius												
21,3 (70)	21,4 (47.2)	19,4 (43.7)	19,0 (42.0)	19,9 (44.0)	18,5 (40.8)	17,8 (39.4)						
26,0 (90)	19,5 (41.7)	18,1 (38.6)	17,3 (37.1)	18,3 (39.3)	17,0 (36.4)	16,3 (35.0)	15,9 (34.4)	14,8 (32.0)	14,2 (30.7)	13,5 (30.0)	13,5 (29.7)	13,2 (28.6)
32,0 (110)	16,8 (35.5)	15,6 (33.0)	14,9 (31.7)	16,0 (33.9)	14,8 (31.5)	14,2 (30.2)	14,2 (30.4)	13,2 (28.3)	12,7 (27.1)	13,3 (28.7)	12,4 (26.6)	11,9 (25.6)
38,0 (130)	14,1 (29.5)	13,1 (27.5)	12,6 (26.5)	13,5 (28.5)	12,6 (26.6)	12,1 (25.5)	12,4 (26.2)	11,5 (24.4)	11,0 (23.4)	11,8 (25.1)	10,9 (23.3)	10,5 (22.3)
44,0 (150)	11,6 (24.2)	10,8 (22.7)	10,4 (21.8)	11,3 (23.6)	10,5 (22.1)	10,1 (21.2)	10,5 (22.2)	9,8 (20.6)	9,4 (19.8)	10,1 (21.5)	9,4 (19.9)	9,0 (19.1)
50,0 (170)	9,5 (19.8)	8,9 (18.6)	8,6 (18.0)	9,3 (19.4)	8,7 (18.2)	8,4 (17.5)	8,8 (18.5)	8,2 (17.2)	7,9 (16.5)	8,6 (18.1)	8,0 (16.8)	7,6 (16.1)
56,0 (190)	7,8 (16.2)	7,3 (15.3)	7,1 (14.8)	7,7 (16.0)	7,2 (15.0)	6,9 (14.5)	7,3 (15.4)	6,8 (14.3)	6,6 (13.8)	7,2 (15.1)	6,7 (14.1)	6,4 (13.5)
64,0 (210)	5,7 (12.6)	5,8 (12.8)	5,6 (12.4)	5,8 (13.0)	5,6 (12.5)	5,4 (12.0)	5,3 (11.8)	5,3 (11.9)	5,1 (11.4)	5,3 (11.9)	5,3 (11.7)	5,0 (11.2)
68,0 (230)				4,1 –	4,3 –	4,4 –	4,4 (8.8)	4,4 (8.9)	4,5 (8.9)	4,4 (8.7)	4,4 (8.7)	4,4 (8.8)
76,0 (250)										2,6 (5.6)	2,6 (5.7)	2,7 (5.9)

Fixed Jib Length 36,6 m (120 ft) 5° offset

Luffing Jib m (ft)	48,8 (160)			51,8 (170)			57,9 (190)			61,0 (200)		
Boom m (ft)	54,9 (180)	57,9 (190)	61,0 (200)	54,9 (180)	57,9 (190)	61,0 (200)	54,9 (180)	57,9 (190)	61,0 (200)	54,9 (180)	57,9 (190)	61,0 (200)
Radius												
28,0 (95)	– (21.0)											
32,0 (110)	9,1 (19.7)	8,9 (19.4)	8,9 (19.3)	8,9 (19.3)	8,7 (18.9)	8,4 (18.3)	8,1 (17.6)	7,6 (16.6)	7,4 (16.1)	7,5 (16.5)	7,1 (15.5)	– (15.0)
38,0 (130)	8,3 (18.0)	8,3 (17.9)	8,2 (17.7)	8,2 (17.7)	8,1 (17.6)	7,9 (17.0)	7,6 (16.6)	7,2 (15.6)	6,9 (15.1)	7,1 (15.5)	6,7 (14.5)	6,4 (14.1)
44,0 (150)	7,6 (16.4)	7,5 (16.3)	7,5 (16.3)	7,5 (16.3)	7,4 (16.1)	7,2 (15.5)	7,1 (15.3)	6,6 (14.4)	6,4 (13.9)	6,6 (14.4)	6,2 (13.5)	6,0 (13.0)
50,0 (170)	6,9 (15.1)	6,9 (15.0)	6,8 (14.6)	6,9 (14.9)	6,7 (14.5)	6,5 (14.0)	6,5 (14.0)	6,1 (13.1)	5,8 (12.6)	6,1 (13.2)	5,7 (12.3)	5,5 (11.8)
56,0 (190)	6,4 (13.9)	6,3 (13.4)	6,1 (12.9)	6,4 (13.8)	6,0 (12.9)	5,8 (12.4)	5,9 (12.6)	5,5 (11.7)	5,2 (11.2)	5,5 (11.9)	5,2 (11.1)	4,9 (10.6)
64,0 (210)	5,7 (12.6)	5,3 (11.8)	5,1 (11.3)	5,5 (12.2)	5,1 (11.4)	4,9 (10.9)	5,0 (11.2)	4,7 (10.4)	4,4 (9.9)	4,8 (10.6)	4,4 (9.8)	4,2 (9.4)
72,0 (240)	4,7 (10.2)	4,4 (9.6)	4,2 (9.2)	4,6 (9.9)	4,3 (9.2)	4,1 (8.8)	4,2 (8.9)	3,9 (8.5)	3,7 (8.1)	4,0 (8.3)	3,7 (8.1)	3,5 (7.7)
80,0 (270)	3,6 (7.1)	3,6 (7.2)	3,5 (7.2)	3,3 (6.7)	3,4 (6.7)	3,3 (6.7)	2,8 (5.4)	2,8 (5.5)	2,8 (5.5)	2,5 (4.8)	2,5 (4.9)	2,5 (4.9)
88,0 (290)	2,2 (4.6)	2,2 (4.7)	2,3 (4.9)	2,1 (4.7)	2,2 (4.8)	2,2 (4.8)						

Meets ANSI B30.5 Requirements - Capacities do not exceed 75% of static tipping load.
NOTICE: This capacity chart is for reference only and must not be used for lifting purposes.

Manitowoc

fixed jib on luffing jib load charts

Liftcrane Fixed Jib on Luffing Capacities - 2250 Series 3
Fixed Jib No. 140 Set at 5 Degree Offset Angle on
Luffing Jib No. 133 or No. 133A on Boom No. 44 with Heavy-Lift Top

113 040 kg (249,200 lb) Counterweight 54 430 kg (120,000 lb) Carbody Counterweight

360° Rating kg (lb) x 1 000

83° Boom Angle

Fixed Jib Length 12,2 m (40 ft) 5° offset

Luffing Jib m (ft)	48,8 (160)			51,8 (170)			57,9 (190)			61,0 (200)		
Boom m (ft)	54,9 (180)	57,9 (190)	61,0 (200)	54,9 (180)	57,9 (190)	61,0 (200)	54,9 (180)	57,9 (190)	61,0 (200)	54,9 (180)	57,9 (190)	61,0 (200)
Radius												
30,0 (100)	– (50.5)											
34,0 (115)	22,0 (47.9)	20,3 (44.2)	19,5 (42.4)	20,5 (44.7)	19,0 (41.4)	18,2 (39.7)	17,5 (38.4)	16,3 (35.7)	– (34.2)	– (30.0)	– (30.0)	
38,0 (130)	20,6 (44.2)	19,0 (40.8)	18,3 (39.2)	19,4 (41.8)	17,9 (38.6)	17,3 (37.1)	16,9 (36.6)	15,7 (34.0)	15,0 (32.6)	13,6 (30.0)	13,6 (30.0)	13,6 (30.0)
44,0 (150)	16,9 (34.5)	16,7 (35.1)	16,1 (34.1)	16,7 (34.1)	16,0 (34.0)	15,4 (32.8)	15,5 (32.8)	14,4 (30.8)	13,8 (29.7)	13,6 (30.0)	13,4 (29.0)	13,0 (27.9)
50,0 (170)	13,0 (26.7)	13,2 (27.1)	13,4 (27.5)	12,8 (26.2)	13,0 (26.6)	13,2 (27.0)	12,2 (25.0)	12,4 (25.4)	12,3 (25.8)	12,9 (26.2)	12,2 (26.0)	11,7 (25.0)
56,0 (190)	10,2 (20.9)	10,3 (21.2)	10,5 (21.5)	10,0 (20.4)	10,1 (20.7)	10,3 (21.0)	9,4 (19.2)	9,5 (19.5)	9,7 (19.8)	9,8 (19.8)	9,9 (20.2)	10,1 (20.5)
64,0 (210)	7,4 (16.4)	7,5 (16.6)	7,6 (16.9)	7,2 (15.9)	7,3 (16.2)	7,4 (16.4)	6,6 (14.7)	6,8 (15.0)	6,8 (15.2)	6,8 (15.0)	6,8 (15.2)	7,0 (15.5)
68,0 (230)	6,3 (11.7)	6,4 (12.4)	6,5 (13.0)	6,1 (12.4)	6,2 (12.6)	6,3 (12.8)	5,5 (11.2)	5,6 (11.4)	5,7 (11.6)	5,6 (11.2)	5,7 (11.4)	5,8 (11.6)
76,0 (250)							3,8 (8.3)	3,8 (8.4)	3,9 (8.6)	3,7 (8.1)	3,8 (8.3)	3,8 (8.5)
80,0 (270)										2,9 (5.1)	2,9 (5.5)	3,0 (5.8)

Fixed Jib Length 36,6 m (120 ft) 5° offset

Luffing Jib m (ft)	48,8 (160)			51,8 (170)			57,9 (190)			61,0 (200)		
Boom m (ft)	54,9 (180)	57,9 (190)	61,0 (200)	54,9 (180)	57,9 (190)	61,0 (200)	54,9 (180)	57,9 (190)	61,0 (200)	54,9 (180)	57,9 (190)	61,0 (200)
Radius												
40,0 (135)	– (18.4)											
44,0 (145)	8,0 (17.6)	7,9 (17.5)	7,9 (17.4)	7,8 (17.3)	7,8 (17.2)	7,7 (17.1)	– (16.5)	– (16.3)				
48,0 (160)	7,5 (16.5)	7,5 (16.4)	7,5 (16.4)	7,4 (16.3)	7,5 (16.9)	7,3 (16.2)	7,1 (15.8)	7,0 (15.5)	7,0 (15.4)	6,9 (15.2)	6,8 (15.0)	6,8 (14.9)
52,0 (170)	7,1 (15.9)	7,1 (15.8)	7,1 (15.7)	7,1 (15.7)	7,0 (15.6)	7,0 (15.6)	6,8 (15.1)	6,7 (15.0)	6,7 (15.0)	6,6 (14.7)	6,6 (14.6)	6,5 (14.5)
58,0 (190)	6,6 (14.6)	6,5 (14.5)	6,6 (14.6)	6,5 (14.5)	6,5 (14.4)	6,5 (14.4)	6,3 (14.1)	6,3 (14.0)	6,3 (14.0)	6,2 (13.8)	6,2 (13.7)	6,2 (13.7)
64,0 (210)	6,1 (13.5)	6,1 (13.5)	6,1 (13.5)	6,0 (13.4)	6,0 (13.4)	6,0 (13.4)	5,9 (13.2)	5,9 (13.1)	5,9 (13.1)	5,8 (12.9)	5,8 (12.9)	5,8 (12.8)
72,0 (240)	5,6 (12.2)	5,6 (12.2)	5,6 (12.2)	5,5 (12.1)	5,5 (12.1)	5,5 (12.1)	5,3 (11.2)	5,4 (11.4)	5,4 (11.6)	5,0 (10.6)	5,1 (10.8)	5,2 (11.0)
80,0 (270)	4,4 (8.9)	4,5 (9.1)	4,6 (9.2)	4,2 (8.4)	4,3 (8.6)	4,3 (8.7)	3,6 (7.2)	3,7 (7.3)	3,8 (7.5)	3,4 (6.6)	3,4 (6.7)	3,5 (6.9)
88,0 (290)	3,0 (6.7)	3,1 (6.9)	3,2 (7.0)	2,8 (6.2)	2,9 (6.4)	3,0 (6.5)	2,3 (5.0)	2,4 (5.2)	2,4 (5.3)	2,0 (4.4)	2,1 (4.5)	2,1 (4.7)
92,0 (310)	2,5 (4.3)	2,5 (4.7)	2,6 (5.0)	2,3 (4.4)	2,3 (4.5)	2,4 (4.6)						

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Meets ANSI B30.5 Requirements - Capacities do not exceed 75% of static tipping load.
NOTICE: This capacity chart is for reference only and must not be used for lifting purposes.

fixed jib on luffing jib load charts

Liftcrane Fixed Jib on Luffing Capacities - 2250 Series 3
Fixed Jib No. 140 Set at 5 Degree Offset Angle on
Luffing Jib No. 133 or No. 133A on Boom No. 44 with Heavy-Lift Top

113 040 kg (249,200 lb) Counterweight 54 430 kg (120,000 lb) Carbody Counterweight

360° Rating **kg (lb) x 1 000**

75° Boom Angle

Fixed Jib Length 12,2 m (40 ft) 5° offset

Luffing Jib m (ft)	48,8 (160)			51,8 (170)			57,9 (190)			61,0 (200)		
Boom m (ft)	54,9 (180)	57,9 (190)	61,0 (200)	54,9 (180)	57,9 (190)	61,0 (200)	54,9 (180)	57,9 (190)	61,0 (200)	54,9 (180)	57,9 (190)	61,0 (200)
Radius												
46,0 (150)	18,1 (40.3)											
48,0 (160)	17,5 (38.1)	16,4 (35.7)	15,6 (33.9)	16,8 (36.6)	– (34.4)	– (32.5)						
52,0 (170)	15,6 (34.8)	15,0 (33.3)	14,3 (31.8)	15,4 (34.3)	14,6 (32.4)	13,8 (30.7)	14,3 (31.7)	13,3 (29.6)	12,6 (28.0)	13,6 (30.0)		
58,0 (190)	12,8 (28.4)	12,3 (27.4)	11,9 (26.5)	12,6 (27.9)	12,1 (26.9)	11,7 (26.0)	12,0 (26.6)	11,4 (25.3)	11,0 (24.4)	12,6 (28.0)	11,8 (26.1)	11,0 (24.5)
64,0 (210)	10,0 (22.2)	10,2 (22.6)	9,8 (21.8)	9,8 (21.7)	10,0 (22.1)	9,7 (21.4)	9,3 (20.5)	9,3 (20.6)	8,9 (19.8)	9,6 (21.3)	9,6 (21.3)	9,3 (20.5)
68,0 (230)	8,5 (17.4)	8,8 (18.0)	8,7 (18.0)	8,3 (17.0)	8,6 (17.5)	8,5 (17.6)	7,8 (15.7)	8,1 (16.3)	7,8 (16.1)	8,0 (16.1)	8,3 (16.7)	8,0 (16.4)
76,0 (250)	6,2 (13.6)	6,4 (14.1)	6,6 (14.6)	6,0 (13.2)	6,2 (13.7)	6,4 (14.1)	5,4 (12.0)	5,7 (12.5)	5,8 (12.9)	5,5 (12.1)	5,7 (12.5)	5,9 (13.0)
80,0 (270)				5,0 –	5,2 –	5,4 (10.8)	4,5 (9.0)	4,7 (9.3)	4,9 (9.7)	4,5 (8.8)	4,7 (9.2)	4,8 (9.6)
88,0 (290)									3,2 (7.0)	2,8 (6.2)	3,0 (6.5)	3,1 (6.8)
– (300)											– (5.2)	– (5.6)

Fixed Jib Length 36,6 m (120 ft) 5° offset

Luffing Jib m (ft)	48,8 (160)			51,8 (170)			57,9 (190)			61,0 (200)		
Boom m (ft)	54,9 (180)	57,9 (190)	61,0 (200)	54,9 (180)	57,9 (190)	61,0 (200)	54,9 (180)	57,9 (190)	61,0 (200)	54,9 (180)	57,9 (190)	61,0 (200)
Radius												
58,0 (195)	– (15.1)											
64,0 (210)	6,4 (14.3)	6,4 (14.3)	6,4 (14.3)	6,3 (14.1)	6,3 (14.1)	6,3 (14.1)	6,0 (13.4)					
66,0 (220)	6,3 (13.8)	6,3 (13.9)	6,3 (13.9)	6,2 (13.7)	6,3 (14.0)	6,2 (13.6)	6,0 (13.1)	5,9 (13.0)	5,9 (13.0)	5,7 (12.7)	– (12.6)	– (12.4)
68,0 (230)	6,1 (13.4)	6,2 (13.4)	6,2 (13.4)	6,1 (13.2)	6,2 (13.2)	6,1 (13.2)	5,8 (12.8)	5,8 (12.7)	5,8 (12.7)	5,7 (12.4)	5,6 (12.3)	5,5 (12.2)
76,0 (250)	5,6 (12.5)	5,7 (12.6)	5,7 (12.6)	5,6 (12.4)	5,6 (12.4)	5,6 (12.5)	5,5 (12.1)	5,4 (12.1)	5,4 (12.0)	5,3 (11.8)	5,3 (11.8)	5,3 (11.7)
80,0 (270)	5,4 (11.8)	5,4 (11.8)	5,4 (11.9)	5,4 (11.7)	5,4 (11.8)	5,4 (11.8)	5,2 (10.5)	5,3 (10.9)	5,2 (11.0)	5,0 (9.9)	5,1 (10.3)	5,0 (10.2)
88,0 (290)	4,3 (9.5)	4,5 (9.8)	4,6 (10.2)	4,1 (9.0)	4,3 (9.3)	4,4 (9.7)	3,6 (7.8)	3,7 (8.1)	3,9 (8.5)	3,3 (7.2)	3,4 (7.5)	3,6 (7.8)
92,0 (310)	3,6 (7.3)	3,8 (7.5)	3,9 (7.8)	3,4 (6.8)	3,5 (7.0)	3,7 (7.3)	2,9 (5.6)	3,0 (5.8)	3,1 (6.1)	2,6 (4.9)	2,7 (5.2)	2,8 (5.5)
100,0 (330)	2,4 (5.3)	2,5 (5.5)	2,7 (5.8)	2,2 (4.8)	2,3 (5.1)	2,4 (5.3)			1,9 (4.1)			
– (340)		– (4.5)	– (4.8)		– (4.2)	– (4.4)						

Meets ANSI B30.5 Requirements - Capacities do not exceed 75% of static tipping load.
NOTICE: This capacity chart is for reference only and must not be used for lifting purposes.

Manitowoc

Liftcrane Boom Capacities 2250 SERIES 1

Boom No. 44 With Heavy Lift Top
107,100 Lb. Counterweight
360 Degree Rating

Meets ANSI B30.5 Requirements

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
70 Ft. BOOM			
18	82.9	77.1	551,200 *
19	82.1	76.9	545,400 *
20	81.3	76.8	520,000 *
21	80.4	76.5	492,900
22	79.6	76.3	445,200
23	78.8	76.1	405,700
24	77.9	75.8	372,400
25	77.1	75.6	344,000
26	76.2	75.3	319,500
27	75.4	75.0	298,100
28	74.5	74.7	279,300
29	73.7	74.4	262,600
30	72.8	74.0	247,700
32	71.0	73.3	222,200
34	69.3	72.4	201,200
36	67.5	71.6	183,600
38	65.7	70.6	168,700
40	63.8	69.5	155,800
42	61.9	68.4	144,600
44	60.0	67.2	134,800
46	58.1	65.9	126,100
48	56.1	64.5	118,300
50	54.0	62.9	111,400
55	48.6	58.6	96,700
60	42.6	53.2	85,100
65	35.8	46.6	75,600
70	27.4	37.6	67,700
80 Ft. BOOM			
20	82.4	86.9	519,300 *
21	81.7	86.7	493,800
22	80.9	86.5	445,900
23	80.2	86.3	406,300
24	79.5	86.1	373,000
25	78.7	85.9	344,500
26	78.0	85.6	319,900
27	77.3	85.4	298,500
28	76.5	85.1	279,600
29	75.8	84.8	262,800
30	75.0	84.5	247,900
32	73.5	83.9	222,400
34	72.0	83.2	201,300
36	70.5	82.4	183,700
38	68.9	81.6	168,700
40	67.3	80.7	155,800
42	65.8	79.8	144,600
44	64.2	78.7	134,800
46	62.5	77.6	126,000
48	60.9	76.5	118,300

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
80 Ft. BOOM			
50	59.2	75.2	111,300
55	54.8	71.7	96,700
60	50.2	67.6	85,000
65	45.1	62.7	75,500
70	39.6	56.8	67,600
75	33.3	49.4	61,000
80	25.4	39.7	55,200
90 Ft. BOOM			
21	82.6	96.9	494,400
22	81.9	96.7	446,500
23	81.3	96.5	406,800
24	80.6	96.3	373,400
25	80.0	96.1	344,800
26	79.3	95.9	320,200
27	78.7	95.7	298,700
28	78.0	95.4	279,800
29	77.4	95.2	263,100
30	76.7	94.9	248,100
32	75.4	94.4	222,500
34	74.1	93.7	201,500
36	72.7	93.1	183,800
38	71.4	92.4	168,800
40	70.0	91.6	155,900
42	68.6	90.8	144,700
44	67.2	89.9	134,800
46	65.8	88.9	126,100
48	64.4	87.9	118,300
50	63.0	86.8	111,300
55	59.3	83.9	96,700
60	55.4	80.4	85,000
65	51.3	76.5	75,500
70	47.0	71.8	67,700
75	42.3	66.5	61,000
80	37.1	60.0	55,300
85	31.2	52.1	50,300
100 Ft. BOOM			
22	82.8	106.8	446,900
23	82.2	106.7	407,100
24	81.6	106.5	373,700
25	81.0	106.3	345,100
26	80.4	106.1	320,400
27	79.8	105.9	298,900
28	79.3	105.7	279,900
29	78.7	105.5	263,100
30	78.1	105.2	248,100
32	76.9	104.7	222,500
34	75.7	104.2	201,400
36	74.5	103.6	183,700
38	73.3	103.0	168,700
40	72.1	102.3	155,700
42	70.9	101.5	144,500

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
100 Ft. BOOM			
44	69.7	100.8	134,600
46	68.4	99.9	125,900
48	67.2	99.0	118,100
50	65.9	98.1	111,100
55	62.7	95.5	96,400
60	59.3	92.5	84,700
65	55.9	89.2	75,200
70	52.3	85.3	67,300
75	48.5	80.9	60,700
80	44.4	75.9	55,000
85	40.0	70.0	50,000
90	35.1	63.1	45,700
95	29.5	54.7	41,800
110 Ft. BOOM			
23	82.9	116.8	374,400 *
24	82.4	116.6	371,800 *
25	81.8	116.5	345,200
26	81.3	116.3	320,500
27	80.8	116.1	298,900
28	80.3	115.9	280,000
29	79.7	115.7	263,100
30	79.2	115.5	248,100
32	78.1	115.0	222,500
34	77.0	114.6	201,300
36	76.0	114.0	183,600
38	74.9	113.4	168,500
40	73.8	112.8	155,600
42	72.7	112.2	144,300
44	71.6	111.5	134,400
46	70.5	110.7	125,700
48	69.4	109.9	117,900
50	68.2	109.1	110,900
55	65.4	106.8	96,200
60	62.4	104.2	84,500
65	59.4	101.2	75,000
70	56.3	97.9	67,100
75	53.0	94.1	60,400
80	49.6	89.9	54,700
85	46.0	85.1	49,800
90	42.2	79.7	45,500
95	38.0	73.4	41,700
100	33.3	66.0	38,300
105	28.0	57.1	35,200

S/N: 2251248

Liftcrane Boom Capacities 2250 SERIES 1

Boom No. 44 With Heavy Lift Top
107,100 Lb. Counterweight
360 Degree Rating

Meets ANSI B30.5 Requirements

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
120 Ft. BOOM			
24	83.0	126.8	363,700 *
25	82.5	126.6	345,300
26	82.0	126.4	320,500
27	81.6	126.3	298,900
28	81.1	126.1	279,900
29	80.6	125.9	263,100
30	80.1	125.7	248,000
32	79.1	125.3	222,300
34	78.1	124.8	201,100
36	77.2	124.4	183,400
38	76.2	123.8	168,300
40	75.2	123.3	155,300
42	74.2	122.7	144,000
44	73.2	122.0	134,100
46	72.2	121.4	125,300
48	71.2	120.6	117,500
50	70.1	119.9	110,500
55	67.6	117.8	95,800
60	64.9	115.5	84,100
65	62.2	112.8	74,600
70	59.5	109.9	66,700
75	56.6	106.6	60,000
80	53.6	102.9	54,300
85	50.6	98.8	49,300
90	47.3	94.2	45,000
95	43.9	89.1	41,200
100	40.2	83.3	37,800
105	36.2	76.6	34,800
110	31.8	68.8	32,000
115	26.7	59.3	29,500
130 Ft. BOOM			
26	82.7	136.6	320,700
27	82.2	136.4	299,000
28	81.8	136.2	280,000
29	81.3	136.1	263,100
30	80.9	135.9	248,100
32	80.0	135.5	222,300
34	79.1	135.1	201,100
36	78.2	134.6	183,400
38	77.3	134.2	168,300
40	76.4	133.6	155,300
42	75.4	133.1	144,000
44	74.5	132.5	134,100
46	73.6	131.9	125,300
48	72.7	131.2	117,500
50	71.7	130.5	110,500
55	69.4	128.7	95,700
60	67.0	126.5	84,000
65	64.5	124.1	74,500
70	62.1	121.5	66,600
75	59.5	118.5	59,900

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
130 Ft. BOOM			
80	56.9	115.3	54,200
85	54.2	111.7	49,300
90	51.3	107.7	45,000
95	48.4	103.3	41,100
100	45.3	98.4	37,800
105	42.0	92.9	34,700
110	38.5	86.7	32,000
115	34.7	79.7	29,500
120	30.5	71.5	27,300
125	25.6	61.5	25,200
140 Ft. BOOM			
27	82.8	146.5	299,000
28	82.4	146.4	280,000
29	81.9	146.2	263,000
30	81.5	146.0	248,000
32	80.7	145.7	222,100
34	79.9	145.3	200,900
36	79.0	144.9	183,100
38	78.2	144.4	168,000
40	77.4	144.0	155,000
42	76.5	143.5	143,600
44	75.7	142.9	133,700
46	74.8	142.3	124,900
48	74.0	141.7	117,100
50	73.1	141.1	110,000
55	70.9	139.4	95,300
60	68.7	137.4	83,600
65	66.5	135.2	74,000
70	64.2	132.8	66,100
75	61.9	130.1	59,400
80	59.5	127.2	53,700
85	57.1	124.0	48,800
90	54.6	120.4	44,400
95	52.0	116.5	40,600
100	49.3	112.2	37,200
105	46.5	107.5	34,200
110	43.5	102.3	31,500
115	40.4	96.5	29,000
120	37.0	90.0	26,700
125	33.4	82.6	24,700
130	29.3	74.0	22,800

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
150 Ft. BOOM			
28	82.9	156.5	279,800
29	82.5	156.3	262,900
30	82.1	156.2	247,800
32	81.3	155.8	221,900
34	80.6	155.5	200,600
36	79.8	155.1	182,800
38	79.0	154.7	167,700
40	78.2	154.2	154,600
42	77.4	153.8	143,300
44	76.6	153.3	133,300
46	75.8	152.7	124,500
48	75.1	152.2	116,700
50	74.3	151.6	109,700
55	72.3	150.0	94,900
60	70.2	148.2	83,200
65	68.2	146.2	73,600
70	66.1	143.9	65,700
75	63.9	141.5	59,000
80	61.8	138.8	53,300
85	59.6	135.9	48,300
90	57.3	132.6	44,000
95	55.0	129.1	40,200
100	52.6	125.3	36,800
105	50.1	121.2	33,800
110	47.5	116.6	31,000
115	44.8	111.6	28,600
120	42.0	106.1	26,300
125	38.9	100.0	24,300
130	35.7	93.2	22,400
135	32.2	85.4	20,600
140	28.3	76.5	19,000

S/N: 2251248

Liftcrane Boom Capacities 2250 SERIES 1

Boom No. 44 With Heavy Lift Top
107,100 Lb. Counterweight
360 Degree Rating

Meets ANSI B30.5 Requirements

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
160 Ft. BOOM			
29	83.0	166.4	262,700
30	82.6	166.3	247,600
32	81.9	166.0	221,700
34	81.1	165.7	200,400
36	80.4	165.3	182,500
38	79.7	164.9	167,300
40	79.0	164.5	154,300
42	78.2	164.0	142,900
44	77.5	163.6	132,900
46	76.8	163.1	124,100
48	76.0	162.6	116,300
50	75.3	162.0	109,200
55	73.4	160.5	94,400
60	71.5	158.8	82,700
65	69.6	157.0	73,100
70	67.7	154.9	65,100
75	65.7	152.6	58,400
80	63.7	150.2	52,700
85	61.7	147.5	47,800
90	59.6	144.5	43,400
95	57.5	141.3	39,600
100	55.3	137.9	36,200
105	53.1	134.1	33,200
110	50.7	130.1	30,500
115	48.4	125.6	28,000
120	45.9	120.8	25,700
125	43.3	115.6	23,700
130	40.5	109.8	21,800
135	37.6	103.4	20,100
140	34.5	96.2	18,400
145	31.1	88.2	16,900
150	27.3	78.8	15,600

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
170 Ft. BOOM			
30	83.0	176.4	247,500
32	82.4	176.1	221,600
34	81.7	175.8	200,300
36	81.0	175.5	182,400
38	80.3	175.1	167,200
40	79.6	174.7	154,200
42	78.9	174.3	142,800
44	78.2	173.8	132,800
46	77.5	173.4	124,000
48	76.9	172.9	116,100
50	76.2	172.4	109,100
55	74.4	171.0	94,300
60	72.6	169.4	82,500
65	70.9	167.6	73,000
70	69.1	165.7	65,000
75	67.2	163.6	58,300
80	65.4	161.3	52,600
85	63.5	158.8	47,600
90	61.6	156.1	43,300
95	59.6	153.2	39,500
100	57.6	150.0	36,100
105	55.6	146.6	33,100
110	53.5	142.9	30,300
115	51.3	138.9	27,900
120	49.1	134.6	25,600
125	46.8	129.9	23,600
130	44.4	124.9	21,700
135	41.9	119.3	20,000
140	39.2	113.3	18,300
145	36.4	106.6	16,900
150	33.4	99.2	15,500
155	30.1	90.8	14,200
160	26.5	81.1	13,000

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
180 Ft. BOOM			
32	82.8	186.2	221,400
34	82.1	185.9	200,000
36	81.5	185.6	182,100
38	80.9	185.3	166,900
40	80.2	184.9	153,800
42	79.6	184.5	142,400
44	78.9	184.1	132,400
46	78.3	183.6	123,600
48	77.6	183.2	115,700
50	76.9	182.7	108,600
55	75.3	181.4	93,800
60	73.6	179.9	82,000
65	72.0	178.3	72,400
70	70.3	176.5	64,500
75	68.6	174.5	57,800
80	66.8	172.3	52,000
85	65.1	170.0	47,100
90	63.3	167.5	42,700
95	61.5	164.8	38,900
100	59.6	161.8	35,500
105	57.8	158.7	32,500
110	55.8	155.3	29,700
115	53.9	151.7	27,300
120	51.8	147.7	25,000
125	49.8	143.5	23,000
130	47.6	139.0	21,100
135	45.4	134.1	19,400
140	43.1	128.8	17,800
145	40.6	123.0	16,300
150	38.1	116.7	14,900
155	35.4	109.8	13,600
160	32.4	102.1	12,400
165	29.2	93.4	11,300
170	25.7	83.3	10,200

S/N: 2251248

Liftcrane Boom Capacities 2250 SERIES 1

Boom No. 44 With Heavy Lift Top
107,100 Lb. Counterweight
360 Degree Rating

Meets ANSI B30.5 Requirements

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
190 Ft. BOOM			
34	82.6	196.0	199,700
36	81.9	195.7	181,800
38	81.3	195.4	166,500
40	80.7	195.1	153,400
42	80.1	194.7	142,000
44	79.5	194.3	132,000
46	78.9	193.9	123,200
48	78.3	193.4	115,300
50	77.6	193.0	108,200
55	76.1	191.7	93,400
60	74.5	190.3	81,600
65	72.9	188.8	72,000
70	71.4	187.1	64,000
75	69.7	185.3	57,300
80	68.1	183.2	51,500
85	66.5	181.1	46,600
90	64.8	178.7	42,200
95	63.1	176.2	38,400
100	61.4	173.4	35,000
105	59.7	170.5	32,000
110	57.9	167.4	29,200
115	56.1	164.0	26,800
120	54.2	160.4	24,500
125	52.3	156.6	22,500
130	50.3	152.4	20,600
135	48.3	148.0	18,800
140	46.2	143.2	17,200
145	44.1	138.1	15,800
150	41.8	132.6	14,400
155	39.5	126.6	13,100
160	37.0	120.0	11,900
165	34.4	112.8	10,800
170	31.5	104.8	9,700
175	28.4	95.8	8,700
200 Ft. BOOM			
34	82.9	206.1	199,400
36	82.4	205.8	181,500
38	81.8	205.5	166,200
40	81.2	205.2	153,100
42	80.6	204.8	141,600
44	80.0	204.5	131,600
46	79.4	204.1	122,700
48	78.9	203.7	114,800
50	78.3	203.2	107,700
55	76.8	202.1	92,900
60	75.3	200.7	81,000
65	73.8	199.3	71,400
70	72.3	197.7	63,400
75	70.8	195.9	56,700
80	69.3	194.0	50,900
85	67.7	192.0	46,000
90	66.2	189.8	41,600

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
200 Ft. BOOM			
95	64.6	187.4	37,800
100	63.0	184.8	34,400
105	61.3	182.1	31,400
110	59.7	179.2	28,600
115	58.0	176.0	26,100
120	56.3	172.7	23,900
125	54.5	169.1	21,800
130	52.7	165.3	20,000
135	50.9	161.3	18,200
140	49.0	157.0	16,600
145	47.0	152.3	15,100
150	45.0	147.3	13,800
155	42.9	142.0	12,500
160	40.7	136.2	11,300
165	38.4	130.0	10,100
170	36.0	123.2	9,100
175	33.4	115.8	8,100
180	30.7	107.5	7,100
185	27.7	98.3	6,200
210 Ft. BOOM			
36	82.7	215.9	181,200
38	82.2	215.6	166,000
40	81.6	215.3	152,800
42	81.1	215.0	141,400
44	80.5	214.6	131,400
46	80.0	214.3	122,500
48	79.4	213.9	114,600
50	78.8	213.5	107,500
55	77.4	212.3	92,600
60	76.0	211.1	80,800
65	74.6	209.7	71,200
70	73.2	208.2	63,200
75	71.8	206.5	56,400
80	70.3	204.7	50,700
85	68.8	202.8	45,700
90	67.4	200.7	41,400
95	65.9	198.5	37,500
100	64.4	196.1	34,100
105	62.8	193.5	31,100
110	61.3	190.8	28,400
115	59.7	187.8	25,900
120	58.1	184.7	23,600
125	56.4	181.4	21,600
130	54.8	177.9	19,700
135	53.1	174.1	18,000
140	51.3	170.1	16,400
145	49.5	165.9	14,900
150	47.7	161.4	13,500
155	45.8	156.5	12,200
160	43.8	151.3	11,000

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
210 Ft. BOOM			
165	41.8	145.8	9,900
170	39.7	139.8	8,900
175	37.4	133.4	7,900
180	35.1	126.4	6,900
185	32.6	118.7	6,000
190	29.9	110.2	5,200
195	27.0	100.6	4,400
220 Ft. BOOM			
38	82.5	225.8	165,600
40	82.0	225.5	152,500
42	81.5	225.1	141,000
44	80.9	224.8	131,000
46	80.4	224.4	122,100
48	79.9	224.1	114,100
50	79.4	223.7	107,000
55	78.0	222.6	92,100
60	76.7	221.4	80,300
65	75.3	220.1	70,600
70	74.0	218.7	62,600
75	72.6	217.1	55,900
80	71.2	215.4	50,100
85	69.9	213.5	45,100
90	68.5	211.6	40,800
95	67.0	209.4	36,900
100	65.6	207.2	33,500
105	64.2	204.7	30,500
110	62.7	202.2	27,800
115	61.2	199.4	25,300
120	59.7	196.5	23,000
125	58.2	193.4	21,000
130	56.6	190.1	19,100
135	55.0	186.6	17,400
140	53.4	182.9	15,800
145	51.7	179.0	14,300
150	50.1	174.8	12,900
155	48.3	170.4	11,600
160	46.5	165.6	10,400
165	44.7	160.6	9,300
170	42.8	155.2	8,200
175	40.8	149.5	7,200
180	38.7	143.3	6,300
185	36.5	136.6	5,400
190	34.2	129.4	4,600

S/N: 2251248

Liftcrane Boom Capacities 2250 SERIES 1

Boom No. 44 With Heavy Lift Top
107,100 Lb. Counterweight
360 Degree Rating

Meets ANSI B30.5 Requirements

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
230 Ft. BOOM			
38	82.9	235.9	165,200
40	82.4	235.6	152,100
42	81.8	235.3	140,600
44	81.3	234.9	130,500
46	80.8	234.6	121,600
48	80.3	234.2	113,700
50	79.8	233.9	106,600
55	78.6	232.9	91,700
60	77.3	231.7	79,800
65	76.0	230.5	70,100
70	74.7	229.1	62,100
75	73.4	227.6	55,400
80	72.1	226.0	49,600
85	70.8	224.2	44,600
90	69.4	222.3	40,200
95	68.1	220.3	36,400
100	66.7	218.2	33,000
105	65.4	215.9	29,900
110	64.0	213.4	27,200
115	62.6	210.8	24,700
120	61.2	208.1	22,500
125	59.7	205.1	20,400
130	58.3	202.1	18,500
135	56.8	198.8	16,800
140	55.2	195.3	15,200
145	53.7	191.7	13,700
150	52.1	187.8	12,300
155	50.5	183.7	11,100
160	48.9	179.3	9,900
165	47.2	174.7	8,700
170	45.4	169.8	7,700
175	43.6	164.6	6,700
180	41.8	159.0	5,800
185	39.8	153.1	4,900
190	37.8	146.7	4,000

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
240 Ft. BOOM			
40	82.7	245.7	151,700
42	82.2	245.4	140,200
44	81.7	245.1	130,100
46	81.2	244.7	121,200
48	80.7	244.4	113,200
50	80.3	244.0	106,100
55	79.0	243.1	91,200
60	77.8	242.0	79,300
65	76.6	240.8	69,600
70	75.4	239.5	61,600
75	74.1	238.0	54,800
80	72.9	236.5	49,000
85	71.6	234.8	44,000
90	70.3	233.0	39,600
95	69.1	231.1	35,800
100	67.8	229.1	32,400
105	66.5	226.9	29,300
110	65.2	224.6	26,600
115	63.8	222.1	24,100
120	62.5	219.5	21,800
125	61.1	216.7	19,800
130	59.7	213.8	17,900
135	58.3	210.7	16,200
140	56.9	207.5	14,600
145	55.5	204.0	13,100
150	54.0	200.4	11,700
155	52.5	196.6	10,400
160	50.9	192.5	9,200
165	49.4	188.2	8,100
170	47.8	183.7	7,000
175	46.1	178.9	6,000
180	44.4	173.9	5,100
185	42.6	168.5	4,200

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
250 Ft. BOOM			
40	83.0	255.8	152,400
42	82.5	255.5	140,900
44	82.0	255.2	130,800
46	81.6	254.9	121,900
48	81.1	254.6	114,000
50	80.6	254.2	106,900
55	79.5	253.3	91,900
60	78.3	252.2	80,000
65	77.1	251.1	70,400
70	76.0	249.8	62,300
75	74.8	248.5	55,600
80	73.6	247.0	49,800
85	72.4	245.4	44,800
90	71.2	243.7	40,400
95	69.9	241.8	36,600
100	68.7	239.9	33,200
105	67.5	237.8	30,100
110	66.2	235.6	27,400
115	64.9	233.3	24,900
120	63.7	230.8	22,600
125	62.4	228.2	20,600
130	61.1	225.4	18,700
135	59.7	222.5	17,000
140	58.4	219.4	15,400
145	57.0	216.2	13,900
150	55.6	212.7	12,500
155	54.2	209.1	11,200
160	52.8	205.4	10,000
165	51.3	201.4	8,900
170	49.8	197.2	7,800
175	48.3	192.7	6,900
180	46.7	188.0	5,900
185	45.1	183.1	5,000
190	43.4	177.8	4,200

S/N: 2251248

Liftcrane Boom Capacities 2250 SERIES 1

Boom No. 44 With Heavy Lift Top
169,200 Lb. Counterweight
360 Degree Rating

Meets ANSI B30.5 Requirements

Maximum Boom and Jib Lengths Lifted Unassisted

Over Front of Blocked Crawlers			Over Rear of Blocked Crawlers			Over Side of Crawlers		
Boom Length	Jib No. 132	25 Ft. Extended Upper Boom Pt.	Boom Length	Jib No. 132	25 Ft. Extended Upper Boom Pt.	Boom Length	Jib No. 132	25 Ft. Extended Upper Boom Pt.
(a) 300 Ft.	—	—	(a) 290 Ft.	—	—	260 Ft.	—	—
290 Ft.	—	—	280 Ft.	—	—	250 Ft.	—	—
280 Ft.	—	—	270 Ft.	—	—	240 Ft.	—	—
270 Ft.	—	—	260 Ft.	—	—	230 Ft.	40 Ft.	25 Ft.
260 Ft.	40 Ft.	—	250 Ft.	60 Ft.	—	220 Ft.	80 Ft.	
(b) 260 Ft.	60 Ft.	—	240 Ft.	60 Ft.	—	210 Ft.	100 Ft.	
250 Ft.	80 Ft.	—	230 Ft.	100 Ft.	25 Ft.	200 Ft.	120 Ft.	
(b) 240 Ft.	100 Ft.	—	220 Ft.	120 Ft.				
230 Ft.	120 Ft.	25 Ft.						

Load block, hook and weight ball on ground at start. (a) Upper boom point and third line sheave assembly on boom top must be removed on 300 Ft. boom and cannot be lifted over rear of blocked crawlers on 290 Ft. boom. (b) Machine must be equipped with optional upperworks jacking cylinders.

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
70 Ft. BOOM			
18	82.9	77.1	551,200 *
19	82.1	76.9	547,900 *
20	81.3	76.8	545,600 *
21	80.4	76.5	527,000 *
22	79.6	76.3	504,500 *
23	78.8	76.1	483,800 *
24	77.9	75.8	464,700 *
25	77.1	75.6	441,600
26	76.2	75.3	410,500
27	75.4	75.0	383,300
28	74.5	74.7	359,400
29	73.7	74.4	338,200
30	72.8	74.0	319,300
32	71.0	73.3	287,000
34	69.3	72.4	260,400
36	67.5	71.6	238,100
38	65.7	70.6	219,100
40	63.8	69.5	202,800
42	61.9	68.4	188,600
44	60.0	67.2	176,200
46	58.1	65.9	165,100
48	56.1	64.5	155,300
50	54.0	62.9	146,500
55	48.6	58.6	128,100
60	42.6	53.2	113,400
65	35.8	46.6	101,400
70	27.4	37.6	91,500

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
80 Ft. BOOM			
20	82.4	86.9	526,400 *
21	81.7	86.7	523,600 *
22	80.9	86.5	503,500 *
23	80.2	86.3	482,900 *
24	79.5	86.1	463,800 *
25	78.7	85.9	441,600
26	78.0	85.6	410,400
27	77.3	85.4	383,200
28	76.5	85.1	359,300
29	75.8	84.8	338,100
30	75.0	84.5	319,200
32	73.5	83.9	286,800
34	72.0	83.2	260,200
36	70.5	82.4	237,800
38	68.9	81.6	218,800
40	67.3	80.7	202,500
42	65.8	79.8	188,300
44	64.2	78.7	175,900
46	62.5	77.6	164,800
48	60.9	76.5	155,000
50	59.2	75.2	146,200
55	54.8	71.7	127,700
60	50.2	67.6	113,000
65	45.1	62.7	101,100
70	39.6	56.8	91,100
75	33.3	49.4	82,700
80	25.4	39.7	75,600

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
90 Ft. BOOM			
21	82.6	96.9	498,600 *
22	81.9	96.7	495,600 *
23	81.3	96.5	482,200 *
24	80.6	96.3	463,200 *
25	80.0	96.1	441,700
26	79.3	95.9	410,500
27	78.7	95.7	383,300
28	78.0	95.4	359,300
29	77.4	95.2	338,100
30	76.7	94.9	319,100
32	75.4	94.4	286,700
34	74.1	93.7	260,100
36	72.7	93.1	237,700
38	71.4	92.4	218,700
40	70.0	91.6	202,400
42	68.6	90.8	188,200
44	67.2	89.9	175,700
46	65.8	88.9	164,700
48	64.4	87.9	154,800
50	63.0	86.8	146,000
55	59.3	83.9	127,500
60	55.4	80.4	112,800
65	51.3	76.5	100,900
70	47.0	71.8	90,900
75	42.3	66.5	82,600
80	37.1	60.0	75,400
85	31.2	52.1	69,200

S/N: 2251248

Liftcrane Boom Capacities 2250 SERIES 1

Boom No. 44 With Heavy Lift Top
169,200 Lb. Counterweight
360 Degree Rating

Meets ANSI B30.5 Requirements

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
100 Ft. BOOM			
22	82.8	106.8	479,300 *
23	82.2	106.7	476,300 *
24	81.6	106.5	462,200 *
25	81.0	106.3	441,500
26	80.4	106.1	410,300
27	79.8	105.9	383,100
28	79.3	105.7	359,100
29	78.7	105.5	337,800
30	78.1	105.2	318,900
32	76.9	104.7	286,400
34	75.7	104.2	259,700
36	74.5	103.6	237,300
38	73.3	103.0	218,300
40	72.1	102.3	202,000
42	70.9	101.5	187,700
44	69.7	100.8	175,300
46	68.4	99.9	164,200
48	67.2	99.0	154,400
50	65.9	98.1	145,600
55	62.7	95.5	127,000
60	59.3	92.5	112,300
65	55.9	89.2	100,400
70	52.3	85.3	90,400
75	48.5	80.9	82,000
80	44.4	75.9	74,900
85	40.0	70.0	68,700
90	35.1	63.1	63,300
95	29.5	54.7	58,500
110 Ft. BOOM			
23	82.9	116.8	374,400 *
24	82.4	116.6	371,800 *
25	81.8	116.5	369,400 *
26	81.3	116.3	367,000 *
27	80.8	116.1	364,700 *
28	80.3	115.9	358,900
29	79.7	115.7	337,700
30	79.2	115.5	318,700
32	78.1	115.0	286,200
34	77.0	114.6	259,500
36	76.0	114.0	237,100
38	74.9	113.4	218,100
40	73.8	112.8	201,700
42	72.7	112.2	187,400
44	71.6	111.5	175,000
46	70.5	110.7	163,900
48	69.4	109.9	154,100
50	68.2	109.1	145,200
55	65.4	106.8	126,700
60	62.4	104.2	112,000

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
110 Ft. BOOM			
65	59.4	101.2	100,000
70	56.3	97.9	90,100
75	53.0	94.1	81,700
80	49.6	89.9	74,500
85	46.0	85.1	68,300
90	42.2	79.7	62,900
95	38.0	73.4	58,100
100	33.3	66.0	53,900
105	28.0	57.1	50,100
120 Ft. BOOM			
24	83.0	126.8	363,700 *
25	82.5	126.6	361,400 *
26	82.0	126.4	359,200 *
27	81.6	126.3	357,000 *
28	81.1	126.1	354,900 *
29	80.6	125.9	337,300
30	80.1	125.7	318,300
32	79.1	125.3	285,800
34	78.1	124.8	259,100
36	77.2	124.4	236,700
38	76.2	123.8	217,600
40	75.2	123.3	201,200
42	74.2	122.7	187,000
44	73.2	122.0	174,500
46	72.2	121.4	163,400
48	71.2	120.6	153,500
50	70.1	119.9	144,700
55	67.6	117.8	126,200
60	64.9	115.5	111,400
65	62.2	112.8	99,400
70	59.5	109.9	89,500
75	56.6	106.6	81,100
80	53.6	102.9	73,900
85	50.6	98.8	67,700
90	47.3	94.2	62,300
95	43.9	89.1	57,500
100	40.2	83.3	53,300
105	36.2	76.6	49,500
110	31.8	68.8	46,100
115	26.7	59.3	43,000

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
130 Ft. BOOM			
26	82.7	136.6	350,700 *
27	82.2	136.4	348,700 *
28	81.8	136.2	346,700 *
29	81.3	136.1	337,400
30	80.9	135.9	318,300
32	80.0	135.5	285,800
34	79.1	135.1	259,100
36	78.2	134.6	236,600
38	77.3	134.2	217,600
40	76.4	133.6	201,200
42	75.4	133.1	186,900
44	74.5	132.5	174,400
46	73.6	131.9	163,300
48	72.7	131.2	153,500
50	71.7	130.5	144,600
55	69.4	128.7	126,100
60	67.0	126.5	111,300
65	64.5	124.1	99,300
70	62.1	121.5	89,400
75	59.5	118.5	81,000
80	56.9	115.3	73,800
85	54.2	111.7	67,600
90	51.3	107.7	62,200
95	48.4	103.3	57,400
100	45.3	98.4	53,200
105	42.0	92.9	49,400
110	38.5	86.7	46,000
115	34.7	79.7	42,900
120	30.5	71.5	40,100
125	25.6	61.5	37,600

S/N: 2251248

Liftcrane Boom Capacities 2250 SERIES 1

Boom No. 44 With Heavy Lift Top
169,200 Lb. Counterweight
360 Degree Rating

Meets ANSI B30.5 Requirements

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
140 Ft. BOOM			
27	82.8	146.5	341,800 *
28	82.4	146.4	340,000 *
29	81.9	146.2	337,000
30	81.5	146.0	318,000
32	80.7	145.7	285,400
34	79.9	145.3	258,600
36	79.0	144.9	236,200
38	78.2	144.4	217,100
40	77.4	144.0	200,700
42	76.5	143.5	186,400
44	75.7	142.9	173,900
46	74.8	142.3	162,800
48	74.0	141.7	152,900
50	73.1	141.1	144,100
55	70.9	139.4	125,500
60	68.7	137.4	110,700
65	66.5	135.2	98,700
70	64.2	132.8	88,800
75	61.9	130.1	80,400
80	59.5	127.2	73,200
85	57.1	124.0	67,000
90	54.6	120.4	61,600
95	52.0	116.5	56,800
100	49.3	112.2	52,500
105	46.5	107.5	48,800
110	43.5	102.3	45,400
115	40.4	96.5	42,300
120	37.0	90.0	39,500
125	33.4	82.6	36,900
130	29.3	74.0	34,600
150 Ft. BOOM			
28	82.9	156.5	302,400 *
29	82.5	156.3	300,500 *
30	82.1	156.2	298,600 *
32	81.3	155.8	285,100
34	80.6	155.5	258,300
36	79.8	155.1	235,800
38	79.0	154.7	216,700
40	78.2	154.2	200,300
42	77.4	153.8	186,000
44	76.6	153.3	173,400
46	75.8	152.7	162,300
48	75.1	152.2	152,500
50	74.3	151.6	143,600
55	72.3	150.0	125,000
60	70.2	148.2	110,200
65	68.2	146.2	98,200
70	66.1	143.9	88,300
75	63.9	141.5	79,800
80	61.8	138.8	72,700
85	59.6	135.9	66,500

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
150 Ft. BOOM			
90	57.3	132.6	61,000
95	55.0	129.1	56,300
100	52.6	125.3	52,000
105	50.1	121.2	48,200
110	47.5	116.6	44,800
115	44.8	111.6	41,800
120	42.0	106.1	39,000
125	38.9	100.0	36,400
130	35.7	93.2	34,100
135	32.2	85.4	31,900
140	28.3	76.5	29,900
160 Ft. BOOM			
29	83.0	166.4	292,100 *
30	82.6	166.3	290,300 *
32	81.9	166.0	284,700
34	81.1	165.7	257,800
36	80.4	165.3	235,300
38	79.7	164.9	216,200
40	79.0	164.5	199,700
42	78.2	164.0	185,400
44	77.5	163.6	172,900
46	76.8	163.1	161,800
48	76.0	162.6	151,900
50	75.3	162.0	143,000
55	73.4	160.5	124,400
60	71.5	158.8	109,600
65	69.6	157.0	97,600
70	67.7	154.9	87,600
75	65.7	152.6	79,200
80	63.7	150.2	72,000
85	61.7	147.5	65,800
90	59.6	144.5	60,400
95	57.5	141.3	55,600
100	55.3	137.9	51,300
105	53.1	134.1	47,600
110	50.7	130.1	44,200
115	48.4	125.6	41,100
120	45.9	120.8	38,300
125	43.3	115.6	35,700
130	40.5	109.8	33,400
135	37.6	103.4	31,200
140	34.5	96.2	29,300
145	31.1	88.2	27,400
150	27.3	78.8	25,700

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
170 Ft. BOOM			
30	83.0	176.4	284,100 *
32	82.4	176.1	281,100 *
34	81.7	175.8	257,700
36	81.0	175.5	235,200
38	80.3	175.1	216,100
40	79.6	174.7	199,600
42	78.9	174.3	185,300
44	78.2	173.8	172,800
46	77.5	173.4	161,700
48	76.9	172.9	151,800
50	76.2	172.4	142,900
55	74.4	171.0	124,300
60	72.6	169.4	109,500
65	70.9	167.6	97,500
70	69.1	165.7	87,500
75	67.2	163.6	79,100
80	65.4	161.3	71,900
85	63.5	158.8	65,700
90	61.6	156.1	60,200
95	59.6	153.2	55,500
100	57.6	150.0	51,200
105	55.6	146.6	47,400
110	53.5	142.9	44,000
115	51.3	138.9	40,900
120	49.1	134.6	38,100
125	46.8	129.9	35,600
130	44.4	124.9	33,300
135	41.9	119.3	31,100
140	39.2	113.3	29,100
145	36.4	106.6	27,300
150	33.4	99.2	25,600
155	30.1	90.8	24,000
160	26.5	81.1	22,500

S/N: 2251248

Liftcrane Boom Capacities 2250 SERIES 1

Boom No. 44 With Heavy Lift Top
169,200 Lb. Counterweight
360 Degree Rating

Meets ANSI B30.5 Requirements

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
180 Ft. BOOM			
32	82.8	186.2	274,600 *
34	82.1	185.9	257,300
36	81.5	185.6	234,800
38	80.9	185.3	215,600
40	80.2	184.9	199,100
42	79.6	184.5	184,800
44	78.9	184.1	172,200
46	78.3	183.6	161,100
48	77.6	183.2	151,200
50	76.9	182.7	142,300
55	75.3	181.4	123,700
60	73.6	179.9	108,900
65	72.0	178.3	96,900
70	70.3	176.5	86,900
75	68.6	174.5	78,400
80	66.8	172.3	71,200
85	65.1	170.0	65,000
90	63.3	167.5	59,600
95	61.5	164.8	54,800
100	59.6	161.8	50,600
105	57.8	158.7	46,800
110	55.8	155.3	43,400
115	53.9	151.7	40,300
120	51.8	147.7	37,500
125	49.8	143.5	34,900
130	47.6	139.0	32,600
135	45.4	134.1	30,400
140	43.1	128.8	28,400
145	40.6	123.0	26,600
150	38.1	116.7	24,900
155	35.4	109.8	23,300
160	32.4	102.1	21,800
165	29.2	93.4	20,400
170	25.7	83.3	19,100
190 Ft. BOOM			
34	82.6	196.0	241,300 *
36	81.9	195.7	234,300
38	81.3	195.4	215,200
40	80.7	195.1	198,700
42	80.1	194.7	184,300
44	79.5	194.3	171,800
46	78.9	193.9	160,600
48	78.3	193.4	150,700
50	77.6	193.0	141,800
55	76.1	191.7	123,200
60	74.5	190.3	108,400
65	72.9	188.8	96,300
70	71.4	187.1	86,300
75	69.7	185.3	77,900
80	68.1	183.2	70,700
85	66.5	181.1	64,500

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
190 Ft. BOOM			
90	64.8	178.7	59,000
95	63.1	176.2	54,200
100	61.4	173.4	50,000
105	59.7	170.5	46,200
110	57.9	167.4	42,800
115	56.1	164.0	39,700
120	54.2	160.4	36,900
125	52.3	156.6	34,300
130	50.3	152.4	32,000
135	48.3	148.0	29,900
140	46.2	143.2	27,900
145	44.1	138.1	26,000
150	41.8	132.6	24,300
155	39.5	126.6	22,700
160	37.0	120.0	21,300
165	34.4	112.8	19,900
170	31.5	104.8	18,600
175	28.4	95.8	17,400
200 Ft. BOOM			
34	82.9	206.1	233,400 *
36	82.4	205.8	231,200 *
38	81.8	205.5	214,700
40	81.2	205.2	198,200
42	80.6	204.8	183,800
44	80.0	204.5	171,200
46	79.4	204.1	160,100
48	78.9	203.7	150,200
50	78.3	203.2	141,300
55	76.8	202.1	122,600
60	75.3	200.7	107,800
65	73.8	199.3	95,700
70	72.3	197.7	85,700
75	70.8	195.9	77,200
80	69.3	194.0	70,000
85	67.7	192.0	63,800
90	66.2	189.8	58,400
95	64.6	187.4	53,600
100	63.0	184.8	49,300
105	61.3	182.1	45,500
110	59.7	179.2	42,100
115	58.0	176.0	39,000
120	56.3	172.7	36,200
125	54.5	169.1	33,700
130	52.7	165.3	31,300
135	50.9	161.3	29,200

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
200 Ft. BOOM			
140	49.0	157.0	27,200
145	47.0	152.3	25,300
150	45.0	147.3	23,600
155	42.9	142.0	22,000
160	40.7	136.2	20,600
165	38.4	130.0	19,200
170	36.0	123.2	17,900
175	33.4	115.8	16,700
180	30.7	107.5	15,500
185	27.7	98.3	14,400
210 Ft. BOOM			
36	82.7	215.9	225,300 *
38	82.2	215.6	214,400
40	81.6	215.3	197,900
42	81.1	215.0	183,600
44	80.5	214.6	171,000
46	80.0	214.3	159,800
48	79.4	213.9	149,900
50	78.8	213.5	141,000
55	77.4	212.3	122,300
60	76.0	211.1	107,500
65	74.6	209.7	95,400
70	73.2	208.2	85,400
75	71.8	206.5	77,000
80	70.3	204.7	69,800
85	68.8	202.8	63,500
90	67.4	200.7	58,100
95	65.9	198.5	53,300
100	64.4	196.1	49,100
105	62.8	193.5	45,300
110	61.3	190.8	41,800
115	59.7	187.8	38,800
120	58.1	184.7	36,000
125	56.4	181.4	33,400
130	54.8	177.9	31,100
135	53.1	174.1	28,900
140	51.3	170.1	26,900
145	49.5	165.9	25,100
150	47.7	161.4	23,400
155	45.8	156.5	21,800
160	43.8	151.3	20,300
165	41.8	145.8	18,900
170	39.7	139.8	17,600
175	37.4	133.4	16,400
180	35.1	126.4	15,300
185	32.6	118.7	14,200
190	29.9	110.2	13,100
195	27.0	100.6	12,200

S/N: 2251248

Liftcrane Boom Capacities 2250 SERIES 1

Boom No. 44 With Heavy Lift Top
169,200 Lb. Counterweight
360 Degree Rating

Meets ANSI B30.5 Requirements

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
220 Ft. BOOM			
38	82.5	225.8	214,000
40	82.0	225.5	197,400
42	81.5	225.1	183,100
44	80.9	224.8	170,500
46	80.4	224.4	159,300
48	79.9	224.1	149,400
50	79.4	223.7	140,500
55	78.0	222.6	121,800
60	76.7	221.4	106,900
65	75.3	220.1	94,800
70	74.0	218.7	84,800
75	72.6	217.1	76,400
80	71.2	215.4	69,100
85	69.9	213.5	62,900
90	68.5	211.6	57,400
95	67.0	209.4	52,600
100	65.6	207.2	48,400
105	64.2	204.7	44,600
110	62.7	202.2	41,200
115	61.2	199.4	38,100
120	59.7	196.5	35,300
125	58.2	193.4	32,700
130	56.6	190.1	30,400
135	55.0	186.6	28,200
140	53.4	182.9	26,200
145	51.7	179.0	24,400
150	50.1	174.8	22,700
155	48.3	170.4	21,100
160	46.5	165.6	19,600
165	44.7	160.6	18,200
170	42.8	155.2	16,900
175	40.8	149.5	15,700
180	38.7	143.3	14,600
185	36.5	136.6	13,500
190	34.2	129.4	12,500
195	31.8	121.5	11,500
200	29.2	112.7	10,600
205	26.3	102.9	9,700

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
230 Ft. BOOM			
38	82.9	235.9	193,200 *
40	82.4	235.6	191,600 *
42	81.8	235.3	182,600
44	81.3	234.9	170,000
46	80.8	234.6	158,800
48	80.3	234.2	148,900
50	79.8	233.9	140,000
55	78.6	232.9	121,200
60	77.3	231.7	106,400
65	76.0	230.5	94,300
70	74.7	229.1	84,200
75	73.4	227.6	75,800
80	72.1	226.0	68,600
85	70.8	224.2	62,300
90	69.4	222.3	56,900
95	68.1	220.3	52,100
100	66.7	218.2	47,800
105	65.4	215.9	44,000
110	64.0	213.4	40,600
115	62.6	210.8	37,500
120	61.2	208.1	34,700
125	59.7	205.1	32,100
130	58.3	202.1	29,800
135	56.8	198.8	27,600
140	55.2	195.3	25,600
145	53.7	191.7	23,800
150	52.1	187.8	22,100
155	50.5	183.7	20,500
160	48.9	179.3	19,000
165	47.2	174.7	17,600
170	45.4	169.8	16,300
175	43.6	164.6	15,100
180	41.8	159.0	14,000
185	39.8	153.1	12,900
190	37.8	146.7	11,900
195	35.7	139.8	10,900
200	33.5	132.4	10,000
205	31.1	124.2	9,100
210	28.5	115.2	8,300
215	25.7	105.1	7,500

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
240 Ft. BOOM			
40	82.7	245.7	185,800 *
42	82.2	245.4	182,100
44	81.7	245.1	169,400
46	81.2	244.7	158,300
48	80.7	244.4	148,300
50	80.3	244.0	139,400
55	79.0	243.1	120,700
60	77.8	242.0	105,800
65	76.6	240.8	93,700
70	75.4	239.5	83,600
75	74.1	238.0	75,100
80	72.9	236.5	67,900
85	71.6	234.8	61,700
90	70.3	233.0	56,200
95	69.1	231.1	51,400
100	67.8	229.1	47,100
105	66.5	226.9	43,300
110	65.2	224.6	39,900
115	63.8	222.1	36,800
120	62.5	219.5	34,000
125	61.1	216.7	31,400
130	59.7	213.8	29,100
135	58.3	210.7	26,900
140	56.9	207.5	24,900
145	55.5	204.0	23,100
150	54.0	200.4	21,400
155	52.5	196.6	19,800
160	50.9	192.5	18,300
165	49.4	188.2	16,900
170	47.8	183.7	15,600
175	46.1	178.9	14,400
180	44.4	173.9	13,300
185	42.6	168.5	12,200
190	40.8	162.7	11,100
195	38.9	156.6	10,200
200	37.0	150.0	9,300
205	34.9	142.9	8,400
210	32.7	135.3	7,600
215	30.4	126.9	6,800
220	27.9	117.7	6,000
225	25.1	107.3	5,300

S/N: 2251248

Liftcrane Boom Capacities 2250 SERIES 1

Boom No. 44 With Heavy Lift Top
169,200 Lb. Counterweight
360 Degree Rating

Meets ANSI B30.5 Requirements

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
250 Ft. BOOM			
40	83.0	255.8	179,100 *
42	82.5	255.5	177,900 *
44	82.0	255.2	170,200
46	81.6	254.9	159,000
48	81.1	254.6	149,100
50	80.6	254.2	140,200
55	79.5	253.3	121,400
60	78.3	252.2	106,600
65	77.1	251.1	94,500
70	76.0	249.8	84,400
75	74.8	248.5	76,000
80	73.6	247.0	68,700
85	72.4	245.4	62,500
90	71.2	243.7	57,000
95	69.9	241.8	52,200
100	68.7	239.9	48,000
105	67.5	237.8	44,200
110	66.2	235.6	40,700
115	64.9	233.3	37,600
120	63.7	230.8	34,800
125	62.4	228.2	32,300
130	61.1	225.4	29,900
135	59.7	222.5	27,800
140	58.4	219.4	25,800
145	57.0	216.2	23,900
150	55.6	212.7	22,200
155	54.2	209.1	20,600
160	52.8	205.4	19,200
165	51.3	201.4	17,800
170	49.8	197.2	16,500
175	48.3	192.7	15,300
180	46.7	188.0	14,100
185	45.1	183.1	13,000
190	43.4	177.8	12,000
195	41.7	172.2	11,000
200	40.0	166.3	10,100
205	38.1	160.0	9,300
210	36.2	153.2	8,400
215	34.2	146.0	7,600
220	32.0	138.1	6,900
225	29.7	129.5	6,200
230	27.3	120.1	5,500

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
260 Ft. BOOM			
42	82.8	265.6	169,400 *
44	82.4	265.3	166,100 *
46	81.9	265.0	158,500
48	81.5	264.7	148,600
50	81.0	264.4	139,600
55	79.9	263.5	120,900
60	78.8	262.5	106,000
65	77.6	261.4	93,900
70	76.5	260.1	83,800
75	75.4	258.8	75,300
80	74.2	257.4	68,100
85	73.1	255.9	61,800
90	71.9	254.2	56,400
95	70.7	252.5	51,600
100	69.6	250.6	47,300
105	68.4	248.6	43,500
110	67.2	246.5	40,100
115	66.0	244.3	37,000
120	64.8	241.9	34,200
125	63.5	239.4	31,600
130	62.3	236.8	29,300
135	61.0	234.0	27,100
140	59.8	231.1	25,100
145	58.5	228.1	23,300
150	57.1	224.8	21,600
155	55.8	221.4	20,000
160	54.5	217.9	18,500
165	53.1	214.1	17,100
170	51.7	210.2	15,800
175	50.2	206.0	14,600
180	48.8	201.7	13,400
185	47.3	197.1	12,300
190	45.8	192.2	11,300
195	44.2	187.1	10,300
200	42.6	181.7	9,400
205	40.9	176.0	8,600
210	39.1	169.9	7,700
215	37.3	163.4	6,900
220	35.4	156.4	6,200
225	33.5	149.0	5,500
230	31.4	140.9	4,800
235	29.1	132.1	4,100

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
270 Ft. BOOM			
44	82.6	275.4	153,900 *
46	82.2	275.1	151,800 *
48	81.8	274.8	148,000
50	81.3	274.5	139,100
55	80.3	273.6	120,300
60	79.2	272.7	105,400
65	78.1	271.6	93,300
70	77.0	270.4	83,200
75	75.9	269.2	74,800
80	74.8	267.8	67,500
85	73.7	266.4	61,300
90	72.6	264.8	55,800
95	71.5	263.1	51,000
100	70.4	261.3	46,700
105	69.2	259.4	42,900
110	68.1	257.4	39,500
115	66.9	255.3	36,400
120	65.8	253.0	33,600
125	64.6	250.6	31,000
130	63.4	248.1	28,600
135	62.2	245.5	26,500
140	61.0	242.7	24,500
145	59.8	239.8	22,700
150	58.5	236.7	20,900
155	57.3	233.5	19,300
160	56.0	230.1	17,900
165	54.7	226.6	16,500
170	53.4	222.9	15,200
175	52.0	219.0	14,000
180	50.6	214.9	12,800
185	49.2	210.6	11,700
190	47.8	206.1	10,700
195	46.3	201.3	9,700
200	44.8	196.3	8,800
205	43.3	191.1	7,900
210	41.7	185.5	7,100
215	40.1	179.6	6,300
220	38.4	173.3	5,600
225	36.6	166.6	4,900
230	34.8	159.5	4,200

S/N: 2251248

Liftcrane Boom Capacities 2250 SERIES 1

Boom No. 44 With Heavy Lift Top
169,200 Lb. Counterweight
360 Degree Rating

Meets ANSI B30.5 Requirements

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
280 Ft. BOOM			
44	82.9	285.5	142,700 *
46	82.5	285.2	142,000 *
48	82.1	284.9	141,300 *
50	81.7	284.6	138,600 *
55	80.6	283.8	120,300
60	79.6	282.9	105,300
65	78.5	281.8	93,200
70	77.5	280.7	83,100
75	76.4	279.5	74,600
80	75.4	278.2	67,400
85	74.3	276.8	61,100
90	73.2	275.3	55,600
95	72.2	273.7	50,800
100	71.1	271.9	46,500
105	70.0	270.1	42,700
110	68.9	268.2	39,300
115	67.8	266.1	36,200
120	66.7	264.0	33,400
125	65.6	261.7	30,800
130	64.4	259.3	28,500
135	63.3	256.8	26,300
140	62.1	254.1	24,300
145	61.0	251.4	22,400
150	59.8	248.5	20,700
155	58.6	245.4	19,100
160	57.4	242.2	17,700
165	56.1	238.8	16,300
170	54.9	235.3	15,000
175	53.6	231.6	13,700
180	52.3	227.8	12,600
185	51.0	223.7	11,500
190	49.7	219.5	10,500
195	48.3	215.1	9,500
200	46.9	210.4	8,600
205	45.5	205.5	7,700
210	44.0	200.3	6,900
215	42.5	194.9	6,100
220	40.9	189.2	5,400
225	39.3	183.1	4,600
230	37.6	176.7	4,000

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
290 Ft. BOOM			
46	82.7	295.3	132,000 *
48	82.3	295.0	131,400 *
50	81.9	294.7	130,800 *
55	80.9	293.9	119,900
60	79.9	293.0	104,900
65	78.9	292.1	92,800
70	77.9	291.0	82,700
75	76.9	289.8	74,200
80	75.9	288.6	67,000
85	74.9	287.2	60,700
90	73.8	285.7	55,200
95	72.8	284.2	50,400
100	71.8	282.5	46,100
105	70.7	280.8	42,300
110	69.7	278.9	38,900
115	68.6	277.0	35,800
120	67.5	274.9	33,000
125	66.5	272.7	30,400
130	65.4	270.4	28,000
135	64.3	268.0	25,900
140	63.2	265.5	23,900
145	62.0	262.8	22,000
150	60.9	260.0	20,300
155	59.8	257.1	18,700
160	58.6	254.1	17,200
165	57.4	250.9	15,900
170	56.3	247.5	14,600
175	55.1	244.0	13,300
180	53.8	240.4	12,200
185	52.6	236.6	11,100
190	51.3	232.6	10,100
195	50.0	228.4	9,100
200	48.7	224.0	8,200
205	47.4	219.4	7,300
210	46.0	214.6	6,500
215	44.6	209.6	5,700
220	43.2	204.3	4,900
225	41.7	198.7	4,200

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
300 Ft. BOOM			
46	83.0	305.4	123,300 *
48	82.6	305.1	122,900 *
50	82.2	304.8	122,600 *
55	81.3	304.1	119,300
60	80.3	303.2	104,300
65	79.3	302.3	92,200
70	78.3	301.2	82,100
75	77.4	300.1	73,600
80	76.4	298.9	66,300
85	75.4	297.6	60,000
90	74.4	296.2	54,600
95	73.4	294.7	49,700
100	72.4	293.1	45,500
105	71.4	291.4	41,600
110	70.4	289.6	38,200
115	69.4	287.7	35,100
120	68.3	285.7	32,300
125	67.3	283.6	29,700
130	66.2	281.4	27,300
135	65.2	279.1	25,200
140	64.1	276.7	23,200
145	63.1	274.1	21,300
150	62.0	271.5	19,600
155	60.9	268.7	18,000
160	59.8	265.8	16,500
165	58.7	262.7	15,100
170	57.5	259.6	13,800
175	56.4	256.2	12,600
180	55.2	252.8	11,500
185	54.0	249.1	10,400
190	52.8	245.4	9,300
195	51.6	241.4	8,400
200	50.4	237.3	7,500
205	49.1	233.0	6,600
210	47.8	228.4	5,800
215	46.5	223.7	5,000
220	45.2	218.8	4,200

S/N: 2251248

Liftcrane Boom Capacities 2250 SERIES 2

Boom No. 44 With Heavy Lift Top
209,200 Lb. Crane Counterweight
60,000 Lb. Carbody Counterweight
360 Degree Rating

Meets ANSI B30.5 Requirements

Maximum Boom and Jib Lengths Lifted Unassisted

Over Front of Crawlers			Over Rear of Blocked Crawlers			Over Side of Crawlers		
Boom Length	Jib No. 132	25 Ft. Extended Upper Boom Pt.	Boom Length	Jib No. 132	25 Ft. Extended Upper Boom Pt.	Boom Length	Jib No. 132	25 Ft. Extended Upper Boom Pt.
300 Ft.	—	—	300 Ft.	—	—	300 Ft.	—	—
290 Ft.	—	—	290 Ft.	—	—	290 Ft.	—	—
280 Ft.	—	—	280 Ft.	—	—	280 Ft.	—	—
270 Ft.	—	—	270 Ft.	—	—	270 Ft.	—	—
260 Ft.	80 Ft.	25 Ft.	260 Ft.	80 Ft.	25 Ft.	260 Ft.	80 Ft.	25 Ft.
250 Ft.	120 Ft.		250 Ft.	120 Ft.		250 Ft.	100 Ft.	
						240 Ft.	120 Ft.	

Load block, hook and weight ball on ground at start.

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
70 Ft. BOOM			
18	82.9	77.1	600,000 *
19	82.1	76.9	580,000 *
20	81.3	76.8	560,000 *
21	80.4	76.5	543,400 *
22	79.6	76.3	525,800 *
23	78.8	76.1	504,300 *
24	77.9	75.8	484,400 *
25	77.1	75.6	465,900 *
26	76.2	75.3	448,800 *
27	75.4	75.0	432,900 *
28	74.5	74.7	418,000 *
29	73.7	74.4	404,100 *
30	72.8	74.0	391,000 *
32	71.0	73.3	356,300
34	69.3	72.4	323,500
36	67.5	71.6	296,100
38	65.7	70.6	272,700
40	63.8	69.5	252,700
42	61.9	68.4	235,200
44	60.0	67.2	219,900
46	58.1	65.9	206,400
48	56.1	64.5	194,300
50	54.0	62.9	183,500
55	48.6	58.6	160,700
60	42.6	53.2	142,700
65	35.8	46.6	128,000
70	27.4	37.6	110,200 *

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
80 Ft. BOOM			
20	82.4	86.9	526,400 *
21	81.7	86.7	523,600 *
22	80.9	86.5	521,000 *
23	80.2	86.3	503,300 *
24	79.5	86.1	483,400 *
25	78.7	85.9	465,000 *
26	78.0	85.6	447,900 *
27	77.3	85.4	432,000 *
28	76.5	85.1	417,100 *
29	75.8	84.8	403,200 *
30	75.0	84.5	390,200 *
32	73.5	83.9	356,100
34	72.0	83.2	323,300
36	70.5	82.4	295,800
38	68.9	81.6	272,500
40	67.3	80.7	252,400
42	65.8	79.8	234,900
44	64.2	78.7	219,600
46	62.5	77.6	206,000
48	60.9	76.5	194,000
50	59.2	75.2	183,100
55	54.8	71.7	160,400
60	50.2	67.6	142,300
65	45.1	62.7	127,600
70	39.6	56.8	115,400
75	33.3	49.4	105,100
80	25.4	39.7	92,700 *

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
90 Ft. BOOM			
21	82.6	96.9	498,600 *
22	81.9	96.7	495,600 *
23	81.3	96.5	492,600 *
24	80.6	96.3	482,900 *
25	80.0	96.1	464,500 *
26	79.3	95.9	447,400 *
27	78.7	95.7	431,400 *
28	78.0	95.4	416,600 *
29	77.4	95.2	402,700 *
30	76.7	94.9	389,600 *
32	75.4	94.4	356,100
34	74.1	93.7	323,200
36	72.7	93.1	295,800
38	71.4	92.4	272,400
40	70.0	91.6	252,300
42	68.6	90.8	234,800
44	67.2	89.9	219,500
46	65.8	88.9	205,900
48	64.4	87.9	193,800
50	63.0	86.8	183,000
55	59.3	83.9	160,200
60	55.4	80.4	142,200
65	51.3	76.5	127,400
70	47.0	71.8	115,200
75	42.3	66.5	104,900
80	37.1	60.0	96,100
85	31.2	52.1	88,500

S/N: 2251248

Liftcrane Boom Capacities 2250 SERIES 2

Boom No. 44 With Heavy Lift Top
209,200 Lb. Crane Counterweight
60,000 Lb. Carbody Counterweight
360 Degree Rating

Meets ANSI B30.5 Requirements

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
100 Ft. BOOM			
22	82.8	106.8	479,300 *
23	82.2	106.7	476,300 *
24	81.6	106.5	473,400 *
25	81.0	106.3	463,500 *
26	80.4	106.1	446,400 *
27	79.8	105.9	430,500 *
28	79.3	105.7	415,600 *
29	78.7	105.5	401,700 *
30	78.1	105.2	388,700 *
32	76.9	104.7	355,700
34	75.7	104.2	322,900
36	74.5	103.6	295,400
38	73.3	103.0	272,000
40	72.1	102.3	251,900
42	70.9	101.5	234,400
44	69.7	100.8	219,000
46	68.4	99.9	205,500
48	67.2	99.0	193,400
50	65.9	98.1	182,500
55	62.7	95.5	159,700
60	59.3	92.5	141,600
65	55.9	89.2	126,900
70	52.3	85.3	114,700
75	48.5	80.9	104,400
80	44.4	75.9	95,600
85	40.0	70.0	88,000
90	35.1	63.1	81,300
95	29.5	54.7	75,500

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
110 Ft. BOOM			
23	82.9	116.8	374,400 *
24	82.4	116.6	371,800 *
25	81.8	116.5	369,400 *
26	81.3	116.3	367,000 *
27	80.8	116.1	364,700 *
28	80.3	115.9	362,500 *
29	79.7	115.7	360,300 *
30	79.2	115.5	358,200 *
32	78.1	115.0	354,300 *
34	77.0	114.6	322,700
36	76.0	114.0	295,100
38	74.9	113.4	271,700
40	73.8	112.8	251,600
42	72.7	112.2	234,100
44	71.6	111.5	218,800
46	70.5	110.7	205,200
48	69.4	109.9	193,100
50	68.2	109.1	182,200
55	65.4	106.8	159,400
60	62.4	104.2	141,300
65	59.4	101.2	126,600
70	56.3	97.9	114,400
75	53.0	94.1	104,100
80	49.6	89.9	95,300
85	46.0	85.1	87,600
90	42.2	79.7	81,000
95	38.0	73.4	75,100
100	33.3	66.0	69,900
105	28.0	57.1	65,300

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
120 Ft. BOOM			
24	83.0	126.8	363,700 *
25	82.5	126.6	361,400 *
26	82.0	126.4	359,200 *
27	81.6	126.3	357,000 *
28	81.1	126.1	354,900 *
29	80.6	125.9	352,900 *
30	80.1	125.7	350,900 *
32	79.1	125.3	347,200 *
34	78.1	124.8	322,300
36	77.2	124.4	294,700
38	76.2	123.8	271,300
40	75.2	123.3	251,100
42	74.2	122.7	233,600
44	73.2	122.0	218,200
46	72.2	121.4	204,600
48	71.2	120.6	192,500
50	70.1	119.9	181,700
55	67.6	117.8	158,900
60	64.9	115.5	140,700
65	62.2	112.8	126,000
70	59.5	109.9	113,800
75	56.6	106.6	103,500
80	53.6	102.9	94,700
85	50.6	98.8	87,000
90	47.3	94.2	80,400
95	43.9	89.1	74,500
100	40.2	83.3	69,300
105	36.2	76.6	64,700
110	31.8	68.8	60,500
115	26.7	59.3	56,700

S/N: 2251248

Liftcrane Boom Capacities 2250 SERIES 2

Boom No. 44 With Heavy Lift Top
209,200 Lb. Crane Counterweight
60,000 Lb. Carbody Counterweight
360 Degree Rating

Meets ANSI B30.5 Requirements

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
130 Ft. BOOM			
26	82.7	136.6	350,700 *
27	82.2	136.4	348,700 *
28	81.8	136.2	346,700 *
29	81.3	136.1	344,800 *
30	80.9	135.9	343,000 *
32	80.0	135.5	339,500 *
34	79.1	135.1	322,300
36	78.2	134.6	294,700
38	77.3	134.2	271,300
40	76.4	133.6	251,100
42	75.4	133.1	233,600
44	74.5	132.5	218,200
46	73.6	131.9	204,600
48	72.7	131.2	192,500
50	71.7	130.5	181,600
55	69.4	128.7	158,800
60	67.0	126.5	140,700
65	64.5	124.1	125,900
70	62.1	121.5	113,700
75	59.5	118.5	103,400
80	56.9	115.3	94,600
85	54.2	111.7	87,000
90	51.3	107.7	80,300
95	48.4	103.3	74,500
100	45.3	98.4	69,300
105	42.0	92.9	64,600
110	38.5	86.7	60,400
115	34.7	79.7	56,700
120	30.5	71.5	53,200
125	25.6	61.5	50,100

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
140 Ft. BOOM			
27	82.8	146.5	341,800 *
28	82.4	146.4	340,000 *
29	81.9	146.2	338,200 *
30	81.5	146.0	336,400 *
32	80.7	145.7	333,100 *
34	79.9	145.3	321,900
36	79.0	144.9	294,300
38	78.2	144.4	270,800
40	77.4	144.0	250,600
42	76.5	143.5	233,100
44	75.7	142.9	217,700
46	74.8	142.3	204,100
48	74.0	141.7	191,900
50	73.1	141.1	181,100
55	70.9	139.4	158,200
60	68.7	137.4	140,100
65	66.5	135.2	125,300
70	64.2	132.8	113,100
75	61.9	130.1	102,800
80	59.5	127.2	93,900
85	57.1	124.0	86,300
90	54.6	120.4	79,700
95	52.0	116.5	73,800
100	49.3	112.2	68,600
105	46.5	107.5	63,900
110	43.5	102.3	59,800
115	40.4	96.5	56,000
120	37.0	90.0	52,600
125	33.4	82.6	49,400
130	29.3	74.0	46,600

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
150 Ft. BOOM			
28	82.9	156.5	302,400 *
29	82.5	156.3	300,500 *
30	82.1	156.2	298,600 *
32	81.3	155.8	295,000 *
34	80.6	155.5	291,500 *
36	79.8	155.1	288,300 *
38	79.0	154.7	270,400
40	78.2	154.2	250,200
42	77.4	153.8	232,700
44	76.6	153.3	217,300
46	75.8	152.7	203,600
48	75.1	152.2	191,500
50	74.3	151.6	180,600
55	72.3	150.0	157,800
60	70.2	148.2	139,600
65	68.2	146.2	124,900
70	66.1	143.9	112,600
75	63.9	141.5	102,300
80	61.8	138.8	93,400
85	59.6	135.9	85,800
90	57.3	132.6	79,200
95	55.0	129.1	73,300
100	52.6	125.3	68,100
105	50.1	121.2	63,400
110	47.5	116.6	59,300
115	44.8	111.6	55,500
120	42.0	106.1	52,100
125	38.9	100.0	48,900
130	35.7	93.2	46,100
135	32.2	85.4	43,400
140	28.3	76.5	41,000

S/N: 2251248

Liftcrane Boom Capacities 2250 SERIES 2

Boom No. 44 With Heavy Lift Top
209,200 Lb. Crane Counterweight
60,000 Lb. Carbody Counterweight
360 Degree Rating

Meets ANSI B30.5 Requirements

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
160 Ft. BOOM			
29	83.0	166.4	292,100 *
30	82.6	166.3	290,300 *
32	81.9	166.0	287,100 *
34	81.1	165.7	284,000 *
36	80.4	165.3	281,100 *
38	79.7	164.9	269,900
40	79.0	164.5	249,700
42	78.2	164.0	232,100
44	77.5	163.6	216,700
46	76.8	163.1	203,100
48	76.0	162.6	190,900
50	75.3	162.0	180,000
55	73.4	160.5	157,200
60	71.5	158.8	139,000
65	69.6	157.0	124,200
70	67.7	154.9	112,000
75	65.7	152.6	101,600
80	63.7	150.2	92,800
85	61.7	147.5	85,100
90	59.6	144.5	78,500
95	57.5	141.3	72,600
100	55.3	137.9	67,400
105	53.1	134.1	62,800
110	50.7	130.1	58,600
115	48.4	125.6	54,800
120	45.9	120.8	51,400
125	43.3	115.6	48,200
130	40.5	109.8	45,400
135	37.6	103.4	42,700
140	34.5	96.2	40,300
145	31.1	88.2	38,000
150	27.3	78.8	35,900

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
170 Ft. BOOM			
30	83.0	176.4	284,100 *
32	82.4	176.1	281,100 *
34	81.7	175.8	278,300 *
36	81.0	175.5	275,600 *
38	80.3	175.1	269,800
40	79.6	174.7	249,600
42	78.9	174.3	232,000
44	78.2	173.8	216,600
46	77.5	173.4	203,000
48	76.9	172.9	190,800
50	76.2	172.4	179,900
55	74.4	171.0	157,100
60	72.6	169.4	138,900
65	70.9	167.6	124,100
70	69.1	165.7	111,800
75	67.2	163.6	101,500
80	65.4	161.3	92,700
85	63.5	158.8	85,000
90	61.6	156.1	78,400
95	59.6	153.2	72,500
100	57.6	150.0	67,300
105	55.6	146.6	62,600
110	53.5	142.9	58,500
115	51.3	138.9	54,700
120	49.1	134.6	51,200
125	46.8	129.9	48,100
130	44.4	124.9	45,200
135	41.9	119.3	42,600
140	39.2	113.3	40,200
145	36.4	106.6	37,900
150	33.4	99.2	35,800
155	30.1	90.8	33,900
160	26.5	81.1	32,100

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
180 Ft. BOOM			
32	82.8	186.2	274,600 *
34	82.1	185.9	272,100 *
36	81.5	185.6	269,700 *
38	80.9	185.3	267,400 *
40	80.2	184.9	249,100
42	79.6	184.5	231,500
44	78.9	184.1	216,100
46	78.3	183.6	202,400
48	77.6	183.2	190,300
50	76.9	182.7	179,400
55	75.3	181.4	156,500
60	73.6	179.9	138,300
65	72.0	178.3	123,500
70	70.3	176.5	111,200
75	68.6	174.5	100,900
80	66.8	172.3	92,000
85	65.1	170.0	84,400
90	63.3	167.5	77,700
95	61.5	164.8	71,800
100	59.6	161.8	66,600
105	57.8	158.7	62,000
110	55.8	155.3	57,800
115	53.9	151.7	54,000
120	51.8	147.7	50,600
125	49.8	143.5	47,400
130	47.6	139.0	44,600
135	45.4	134.1	41,900
140	43.1	128.8	39,500
145	40.6	123.0	37,200
150	38.1	116.7	35,100
155	35.4	109.8	33,200
160	32.4	102.1	31,400
165	29.2	93.4	29,700
170	25.7	83.3	28,100

S/N: 2251248

Liftcrane Boom Capacities 2250 SERIES 2

Boom No. 44 With Heavy Lift Top
209,200 Lb. Crane Counterweight
60,000 Lb. Carbody Counterweight
360 Degree Rating

Meets ANSI B30.5 Requirements

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
190 Ft. BOOM			
34	82.6	196.0	241,300 *
36	81.9	195.7	238,800 *
38	81.3	195.4	236,500 *
40	80.7	195.1	234,200 *
42	80.1	194.7	231,100
44	79.5	194.3	215,600
46	78.9	193.9	202,000
48	78.3	193.4	189,800
50	77.6	193.0	178,900
55	76.1	191.7	156,000
60	74.5	190.3	137,800
65	72.9	188.8	123,000
70	71.4	187.1	110,700
75	69.7	185.3	100,300
80	68.1	183.2	91,500
85	66.5	181.1	83,800
90	64.8	178.7	77,200
95	63.1	176.2	71,300
100	61.4	173.4	66,100
105	59.7	170.5	61,400
110	57.9	167.4	57,200
115	56.1	164.0	53,400
120	54.2	160.4	50,000
125	52.3	156.6	46,900
130	50.3	152.4	44,000
135	48.3	148.0	41,400
140	46.2	143.2	38,900
145	44.1	138.1	36,700
150	41.8	132.6	34,600
155	39.5	126.6	32,600
160	37.0	120.0	30,800
165	34.4	112.8	29,100
170	31.5	104.8	27,500
175	28.4	95.8	26,000

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
200 Ft. BOOM			
34	82.9	206.1	233,400 *
36	82.4	205.8	231,200 *
38	81.8	205.5	229,100 *
40	81.2	205.2	227,100 *
42	80.6	204.8	225,200 *
44	80.0	204.5	215,100
46	79.4	204.1	201,400
48	78.9	203.7	189,200
50	78.3	203.2	178,300
55	76.8	202.1	155,400
60	75.3	200.7	137,100
65	73.8	199.3	122,300
70	72.3	197.7	110,000
75	70.8	195.9	99,700
80	69.3	194.0	90,800
85	67.7	192.0	83,200
90	66.2	189.8	76,500
95	64.6	187.4	70,600
100	63.0	184.8	65,400
105	61.3	182.1	60,700
110	59.7	179.2	56,500
115	58.0	176.0	52,700
120	56.3	172.7	49,300
125	54.5	169.1	46,200
130	52.7	165.3	43,300
135	50.9	161.3	40,700
140	49.0	157.0	38,200
145	47.0	152.3	36,000
150	45.0	147.3	33,900
155	42.9	142.0	31,900
160	40.7	136.2	30,100
165	38.4	130.0	28,400
170	36.0	123.2	26,800
175	33.4	115.8	25,300
180	30.7	107.5	23,900
185	27.7	98.3	22,600

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
210 Ft. BOOM			
36	82.7	215.9	225,300 *
38	82.2	215.6	223,500 *
40	81.6	215.3	221,700 *
42	81.1	215.0	219,300 *
44	80.5	214.6	214,300 *
46	80.0	214.3	201,200
48	79.4	213.9	189,000
50	78.8	213.5	178,100
55	77.4	212.3	155,100
60	76.0	211.1	136,900
65	74.6	209.7	122,100
70	73.2	208.2	109,800
75	71.8	206.5	99,400
80	70.3	204.7	90,600
85	68.8	202.8	82,900
90	67.4	200.7	76,200
95	65.9	198.5	70,400
100	64.4	196.1	65,100
105	62.8	193.5	60,500
110	61.3	190.8	56,300
115	59.7	187.8	52,500
120	58.1	184.7	49,100
125	56.4	181.4	45,900
130	54.8	177.9	43,100
135	53.1	174.1	40,400
140	51.3	170.1	38,000
145	49.5	165.9	35,700
150	47.7	161.4	33,600
155	45.8	156.5	31,700
160	43.8	151.3	29,900
165	41.8	145.8	28,200
170	39.7	139.8	26,600
175	37.4	133.4	25,100
180	35.1	126.4	23,700
185	32.6	118.7	22,300
190	29.9	110.2	21,100
195	27.0	100.6	19,900

S/N: 2251248

Liftcrane Boom Capacities 2250 SERIES 2

Boom No. 44 With Heavy Lift Top
209,200 Lb. Crane Counterweight
60,000 Lb. Carbody Counterweight
360 Degree Rating

Meets ANSI B30.5 Requirements

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
220 Ft. BOOM			
38	82.5	225.8	217,300 *
40	82.0	225.5	214,800 *
42	81.5	225.1	209,800 *
44	80.9	224.8	205,000 *
46	80.4	224.4	200,200 *
48	79.9	224.1	188,400
50	79.4	223.7	177,500
55	78.0	222.6	154,500
60	76.7	221.4	136,300
65	75.3	220.1	121,500
70	74.0	218.7	109,200
75	72.6	217.1	98,800
80	71.2	215.4	89,900
85	69.9	213.5	82,300
90	68.5	211.6	75,600
95	67.0	209.4	69,700
100	65.6	207.2	64,500
105	64.2	204.7	59,800
110	62.7	202.2	55,600
115	61.2	199.4	51,800
120	59.7	196.5	48,400
125	58.2	193.4	45,200
130	56.6	190.1	42,400
135	55.0	186.6	39,700
140	53.4	182.9	37,300
145	51.7	179.0	35,000
150	50.1	174.8	32,900
155	48.3	170.4	31,000
160	46.5	165.6	29,200
165	44.7	160.6	27,500
170	42.8	155.2	25,900
175	40.8	149.5	24,400
180	38.7	143.3	23,000
185	36.5	136.6	21,600
190	34.2	129.4	20,400
195	31.8	121.5	19,200
200	29.2	112.7	18,100
205	26.3	102.9	17,000

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
230 Ft. BOOM			
38	82.9	235.9	193,200 *
40	82.4	235.6	191,600 *
42	81.8	235.3	190,000 *
44	81.3	234.9	188,500 *
46	80.8	234.6	187,100 *
48	80.3	234.2	183,900 *
50	79.8	233.9	177,000
55	78.6	232.9	154,000
60	77.3	231.7	135,800
65	76.0	230.5	120,900
70	74.7	229.1	108,600
75	73.4	227.6	98,200
80	72.1	226.0	89,400
85	70.8	224.2	81,700
90	69.4	222.3	75,000
95	68.1	220.3	69,100
100	66.7	218.2	63,900
105	65.4	215.9	59,200
110	64.0	213.4	55,000
115	62.6	210.8	51,200
120	61.2	208.1	47,800
125	59.7	205.1	44,700
130	58.3	202.1	41,800
135	56.8	198.8	39,100
140	55.2	195.3	36,700
145	53.7	191.7	34,400
150	52.1	187.8	32,400
155	50.5	183.7	30,400
160	48.9	179.3	28,600
165	47.2	174.7	26,900
170	45.4	169.8	25,300
175	43.6	164.6	23,800
180	41.8	159.0	22,400
185	39.8	153.1	21,100
190	37.8	146.7	19,800
195	35.7	139.8	18,600
200	33.5	132.4	17,500
205	31.1	124.2	16,400
210	28.5	115.2	15,400
215	25.7	105.1	14,400

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
240 Ft. BOOM			
40	82.7	245.7	185,800 *
42	82.2	245.4	184,400 *
44	81.7	245.1	181,900 *
46	81.2	244.7	178,400 *
48	80.7	244.4	174,900 *
50	80.3	244.0	171,300 *
55	79.0	243.1	153,400
60	77.8	242.0	135,200
65	76.6	240.8	120,300
70	75.4	239.5	108,000
75	74.1	238.0	97,600
80	72.9	236.5	88,700
85	71.6	234.8	81,000
90	70.3	233.0	74,400
95	69.1	231.1	68,500
100	67.8	229.1	63,200
105	66.5	226.9	58,600
110	65.2	224.6	54,400
115	63.8	222.1	50,600
120	62.5	219.5	47,100
125	61.1	216.7	44,000
130	59.7	213.8	41,100
135	58.3	210.7	38,400
140	56.9	207.5	36,000
145	55.5	204.0	33,700
150	54.0	200.4	31,600
155	52.5	196.6	29,700
160	50.9	192.5	27,900
165	49.4	188.2	26,200
170	47.8	183.7	24,600
175	46.1	178.9	23,100
180	44.4	173.9	21,700
185	42.6	168.5	20,300
190	40.8	162.7	19,100
195	38.9	156.6	17,900
200	37.0	150.0	16,800
205	34.9	142.9	15,700
210	32.7	135.3	14,700
215	30.4	126.9	13,700
220	27.9	117.7	12,800
225	25.1	107.3	11,900 *

S/N: 2251248

Liftcrane Boom Capacities 2250 SERIES 2

Boom No. 44 With Heavy Lift Top
209,200 Lb. Crane Counterweight
60,000 Lb. Carbody Counterweight
360 Degree Rating

Meets ANSI B30.5 Requirements

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
250 Ft. BOOM			
40	83.0	255.8	179,100 *
42	82.5	255.5	177,900 *
44	82.0	255.2	174,900 *
46	81.6	254.9	171,600 *
48	81.1	254.6	168,200 *
50	80.6	254.2	164,900 *
55	79.5	253.3	154,200
60	78.3	252.2	136,000
65	77.1	251.1	121,100
70	76.0	249.8	108,800
75	74.8	248.5	98,400
80	73.6	247.0	89,500
85	72.4	245.4	81,900
90	71.2	243.7	75,200
95	69.9	241.8	69,300
100	68.7	239.9	64,100
105	67.5	237.8	59,400
110	66.2	235.6	55,200
115	64.9	233.3	51,400
120	63.7	230.8	48,000
125	62.4	228.2	44,800
130	61.1	225.4	41,900
135	59.7	222.5	39,300
140	58.4	219.4	36,900
145	57.0	216.2	34,600
150	55.6	212.7	32,500
155	54.2	209.1	30,600
160	52.8	205.4	28,700
165	51.3	201.4	27,000
170	49.8	197.2	25,400
175	48.3	192.7	23,900
180	46.7	188.0	22,500
185	45.1	183.1	21,200
190	43.4	177.8	20,000
195	41.7	172.2	18,800
200	40.0	166.3	17,600
205	38.1	160.0	16,600
210	36.2	153.2	15,600
215	34.2	146.0	14,600
220	32.0	138.1	13,700
225	29.7	129.5	12,800
230	27.3	120.1	12,000

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
260 Ft. BOOM			
42	82.8	265.6	169,400 *
44	82.4	265.3	166,100 *
46	81.9	265.0	162,800 *
48	81.5	264.7	159,700 *
50	81.0	264.4	156,500 *
55	79.9	263.5	148,500 *
60	78.8	262.5	135,400
65	77.6	261.4	120,500
70	76.5	260.1	108,200
75	75.4	258.8	97,800
80	74.2	257.4	88,900
85	73.1	255.9	81,200
90	71.9	254.2	74,500
95	70.7	252.5	68,600
100	69.6	250.6	63,400
105	68.4	248.6	58,700
110	67.2	246.5	54,500
115	66.0	244.3	50,700
120	64.8	241.9	47,300
125	63.5	239.4	44,100
130	62.3	236.8	41,300
135	61.0	234.0	38,600
140	59.8	231.1	36,200
145	58.5	228.1	33,900
150	57.1	224.8	31,800
155	55.8	221.4	29,900
160	54.5	217.9	28,000
165	53.1	214.1	26,300
170	51.7	210.2	24,700
175	50.2	206.0	23,200
180	48.8	201.7	21,800
185	47.3	197.1	20,500
190	45.8	192.2	19,300
195	44.2	187.1	18,100
200	42.6	181.7	16,900
205	40.9	176.0	15,900
210	39.1	169.9	14,900
215	37.3	163.4	13,900
220	35.4	156.4	13,000
225	33.5	149.0	12,100
230	31.4	140.9	11,300
235	29.1	132.1	10,500
240	26.7	122.4	9,500 *

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
270 Ft. BOOM			
44	82.6	275.4	153,900 *
46	82.2	275.1	151,800 *
48	81.8	274.8	148,900 *
50	81.3	274.5	146,100 *
55	80.3	273.6	139,000 *
60	79.2	272.7	131,900 *
65	78.1	271.6	120,000
70	77.0	270.4	107,600
75	75.9	269.2	97,200
80	74.8	267.8	88,300
85	73.7	266.4	80,700
90	72.6	264.8	74,000
95	71.5	263.1	68,100
100	70.4	261.3	62,800
105	69.2	259.4	58,100
110	68.1	257.4	53,900
115	66.9	255.3	50,100
120	65.8	253.0	46,700
125	64.6	250.6	43,500
130	63.4	248.1	40,700
135	62.2	245.5	38,000
140	61.0	242.7	35,600
145	59.8	239.8	33,300
150	58.5	236.7	31,200
155	57.3	233.5	29,300
160	56.0	230.1	27,400
165	54.7	226.6	25,700
170	53.4	222.9	24,100
175	52.0	219.0	22,600
180	50.6	214.9	21,200
185	49.2	210.6	19,900
190	47.8	206.1	18,600
195	46.3	201.3	17,500
200	44.8	196.3	16,300
205	43.3	191.1	15,300
210	41.7	185.5	14,300
215	40.1	179.6	13,300
220	38.4	173.3	12,400
225	36.6	166.6	11,500
230	34.8	159.5	10,700
235	32.8	151.9	9,900
240	30.8	143.6	9,100
245	28.6	134.6	8,100 *
250	26.2	124.7	6,400 *

S/N: 2251248

Manitowoc Cranes, Inc.
Manitowoc, Wisconsin 54220 U.S.A.

Liftcrane Boom Capacities — 2250 SERIES 2

Boom No. 44 With Heavy Lift Top
209,200 Lb. Crane Counterweight
60,000 Lb. Carbody Counterweight
360 Degree Rating

Meets ANSI B30.5 Requirements

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
280 Ft. BOOM			
44	82.9	285.5	142,700 *
46	82.5	285.2	142,000 *
48	82.1	284.9	141,300 *
50	81.7	284.6	138,600 *
55	80.6	283.8	130,900 *
60	79.6	282.9	129,100 *
65	78.5	281.8	119,800
70	77.5	280.7	107,500
75	76.4	279.5	97,100
80	75.4	278.2	88,200
85	74.3	276.8	80,500
90	73.2	275.3	73,800
95	72.2	273.7	67,900
100	71.1	271.9	62,600
105	70.0	270.1	58,000
110	68.9	268.2	53,700
115	67.8	266.1	49,900
120	66.7	264.0	46,500
125	65.6	261.7	43,300
130	64.4	259.3	40,500
135	63.3	256.8	37,800
140	62.1	254.1	35,400
145	61.0	251.4	33,100
150	59.8	248.5	31,000
155	58.6	245.4	29,000
160	57.4	242.2	27,200
165	56.1	238.8	25,500
170	54.9	235.3	23,900
175	53.6	231.6	22,400
180	52.3	227.8	21,000
185	51.0	223.7	19,700
190	49.7	219.5	18,400
195	48.3	215.1	17,200
200	46.9	210.4	16,100
205	45.5	205.5	15,000
210	44.0	200.3	14,000
215	42.5	194.9	13,100
220	40.9	189.2	12,100
225	39.3	183.1	11,300
230	37.6	176.7	10,400 *
235	35.9	169.9	9,200 *
240	34.1	162.6	8,000 *
245	32.2	154.7	6,900 *
250	30.2	146.3	5,800 *
255	28.0	137.1	4,700 *

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
290 Ft. BOOM			
46	82.7	295.3	132,000 *
48	82.3	295.0	131,400 *
50	81.9	294.7	130,800 *
55	80.9	293.9	129,600 *
60	79.9	293.0	127,400 *
65	78.9	292.1	119,500
70	77.9	291.0	107,100
75	76.9	289.8	96,700
80	75.9	288.6	87,800
85	74.9	287.2	80,100
90	73.8	285.7	73,400
95	72.8	284.2	67,500
100	71.8	282.5	62,200
105	70.7	280.8	57,600
110	69.7	278.9	53,300
115	68.6	277.0	49,500
120	67.5	274.9	46,100
125	66.5	272.7	42,900
130	65.4	270.4	40,100
135	64.3	268.0	37,400
140	63.2	265.5	35,000
145	62.0	262.8	32,700
150	60.9	260.0	30,600
155	59.8	257.1	28,600
160	58.6	254.1	26,800
165	57.4	250.9	25,100
170	56.3	247.5	23,500
175	55.1	244.0	22,000
180	53.8	240.4	20,600
185	52.6	236.6	19,300
190	51.3	232.6	18,000
195	50.0	228.4	16,800
200	48.7	224.0	15,700
205	47.4	219.4	14,600
210	46.0	214.6	13,600
215	44.6	209.6	12,700
220	43.2	204.3	11,700
225	41.7	198.7	10,900
230	40.2	192.8	10,000
235	38.6	186.6	9,000 *
240	37.0	180.0	7,800 *
245	35.3	173.0	6,700 *
250	33.5	165.5	5,600 *
255	31.6	157.5	4,600 *

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
300 Ft. BOOM			
46	83.0	305.4	123,300 *
48	82.6	305.1	122,900 *
50	82.2	304.8	122,600 *
55	81.3	304.1	120,400 *
60	80.3	303.2	116,000 *
65	79.3	302.3	111,900 *
70	78.3	301.2	106,500
75	77.4	300.1	96,000
80	76.4	298.9	87,100
85	75.4	297.6	79,400
90	74.4	296.2	72,700
95	73.4	294.7	66,800
100	72.4	293.1	61,600
105	71.4	291.4	56,900
110	70.4	289.6	52,700
115	69.4	287.7	48,800
120	68.3	285.7	45,400
125	67.3	283.6	42,200
130	66.2	281.4	39,300
135	65.2	279.1	36,700
140	64.1	276.7	34,200
145	63.1	274.1	32,000
150	62.0	271.5	29,900
155	60.9	268.7	27,900
160	59.8	265.8	26,100
165	58.7	262.7	24,400
170	57.5	259.6	22,800
175	56.4	256.2	21,300
180	55.2	252.8	19,900
185	54.0	249.1	18,500
190	52.8	245.4	17,300
195	51.6	241.4	16,100
200	50.4	237.3	15,000
205	49.1	233.0	13,900
210	47.8	228.4	12,900
215	46.5	223.7	11,700 *
220	45.2	218.8	10,400 *
225	43.8	213.6	9,200 *
230	42.4	208.1	8,100 *
235	40.9	202.4	7,000 *
240	39.5	196.4	6,000 *
245	37.9	190.0	5,000 *
250	36.3	183.3	4,200 *

S/N: 2251248

Liftcrane Boom Capacities 2250 SERIES 3

Boom No. 44 With Heavy Lift Top
249,200 Lb. Crane Counterweight
120,000 Lb. Carbody Counterweight
360 Degree Rating

Meets ANSI B30.5 Requirements

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
70 Ft. BOOM			
18	82.9	77.1	600,000 *
19	82.1	76.9	580,000 *
20	81.3	76.8	560,000 *
21	80.4	76.5	550,000 *
22	79.6	76.3	541,500 *
23	78.8	76.1	527,100 *
24	77.9	75.8	506,300 *
25	77.1	75.6	487,000 *
26	76.2	75.3	469,100 *
27	75.4	75.0	452,500 *
28	74.5	74.7	436,900 *
29	73.7	74.4	422,300 *
30	72.8	74.0	408,700 *
32	71.0	73.3	383,800 *
34	69.3	72.4	361,600 *
36	67.5	71.6	340,900 *
38	65.7	70.6	315,400 *
40	63.8	69.5	293,000 *
42	61.9	68.4	273,200 *
44	60.0	67.2	255,600 *
46	58.1	65.9	239,800 *
48	56.1	64.5	225,600 *
50	54.0	62.9	212,600 *
55	48.6	58.6	185,000 *
60	42.6	53.2	160,400 *
65	35.8	46.6	133,900 *
70	27.4	37.6	110,200 *
80 Ft. BOOM			
20	82.4	86.9	526,400 *
21	81.7	86.7	523,600 *
22	80.9	86.5	521,000 *
23	80.2	86.3	518,500 *
24	79.5	86.1	505,700 *
25	78.7	85.9	486,400 *
26	78.0	85.6	468,500 *
27	77.3	85.4	451,900 *
28	76.5	85.1	436,300 *
29	75.8	84.8	421,800 *
30	75.0	84.5	408,100 *
32	73.5	83.9	383,200 *
34	72.0	83.2	361,100 *
36	70.5	82.4	341,300 *
38	68.9	81.6	323,400 *
40	67.3	80.7	300,700 *
42	65.8	79.8	280,400 *
44	64.2	78.7	262,500 *
46	62.5	77.6	246,300 *
48	60.9	76.5	231,700 *

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
80 Ft. BOOM			
50	59.2	75.2	218,600 *
55	54.8	71.7	190,600 *
60	50.2	67.6	167,800 *
65	45.1	62.7	149,000 *
70	39.6	56.8	131,600 *
75	33.3	49.4	111,400 *
80	25.4	39.7	92,700 *
90 Ft. BOOM			
21	82.6	96.9	498,600 *
22	81.9	96.7	495,600 *
23	81.3	96.5	492,600 *
24	80.6	96.3	489,800 *
25	80.0	96.1	486,000 *
26	79.3	95.9	468,100 *
27	78.7	95.7	451,500 *
28	78.0	95.4	435,900 *
29	77.4	95.2	421,400 *
30	76.7	94.9	407,700 *
32	75.4	94.4	382,900 *
34	74.1	93.7	360,700 *
36	72.7	93.1	340,900 *
38	71.4	92.4	323,100 *
40	70.0	91.6	304,200
42	68.6	90.8	283,300
44	67.2	89.9	264,900
46	65.8	88.9	248,700
48	64.4	87.9	234,200
50	63.0	86.8	221,200
55	59.3	83.9	194,000
60	55.4	80.4	172,400
65	51.3	76.5	153,500 *
70	47.0	71.8	137,400 *
75	42.3	66.5	123,600 *
80	37.1	60.0	110,700 *
85	31.2	52.1	94,600 *
100 Ft. BOOM			
22	82.8	106.8	479,300 *
23	82.2	106.7	476,300 *
24	81.6	106.5	473,400 *
25	81.0	106.3	470,600 *
26	80.4	106.1	467,400 *
27	79.8	105.9	450,700 *
28	79.3	105.7	435,200 *
29	78.7	105.5	420,600 *
30	78.1	105.2	407,000 *
32	76.9	104.7	382,100 *
34	75.7	104.2	360,000 *
36	74.5	103.6	340,200 *
38	73.3	103.0	322,400 *
40	72.1	102.3	304,000

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
100 Ft. BOOM			
42	70.9	101.5	283,100
44	69.7	100.8	264,700
46	68.4	99.9	248,400
48	67.2	99.0	234,000
50	65.9	98.1	221,000
55	62.7	95.5	193,700
60	59.3	92.5	172,100
65	55.9	89.2	154,400
70	52.3	85.3	139,800
75	48.5	80.9	126,700 *
80	44.4	75.9	114,700 *
85	40.0	70.0	104,100 *
90	35.1	63.1	94,000 *
95	29.5	54.7	80,900 *
110 Ft. BOOM			
23	82.9	116.8	374,400 *
24	82.4	116.6	371,800 *
25	81.8	116.5	369,400 *
26	81.3	116.3	367,000 *
27	80.8	116.1	364,700 *
28	80.3	115.9	362,500 *
29	79.7	115.7	360,300 *
30	79.2	115.5	358,200 *
32	78.1	115.0	354,300 *
34	77.0	114.6	350,600 *
36	76.0	114.0	339,800 *
38	74.9	113.4	321,900 *
40	73.8	112.8	303,900
42	72.7	112.2	282,900
44	71.6	111.5	264,500
46	70.5	110.7	248,300
48	69.4	109.9	233,800
50	68.2	109.1	220,800
55	65.4	106.8	193,500
60	62.4	104.2	171,800
65	59.4	101.2	154,200
70	56.3	97.9	139,500
75	53.0	94.1	127,200
80	49.6	89.9	116,600
85	46.0	85.1	106,900 *
90	42.2	79.7	97,600 *
95	38.0	73.4	89,200 *
100	33.3	66.0	80,900 *
105	28.0	57.1	70,000 *

S/N: 2251248

Liftcrane Boom Capacities 2250 SERIES 3

Boom No. 44 With Heavy Lift Top
249,200 Lb. Crane Counterweight
120,000 Lb. Carbody Counterweight
360 Degree Rating

Meets ANSI B30.5 Requirements

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
120 Ft. BOOM			
24	83.0	126.8	363,700 *
25	82.5	126.6	361,400 *
26	82.0	126.4	359,200 *
27	81.6	126.3	357,000 *
28	81.1	126.1	354,900 *
29	80.6	125.9	352,900 *
30	80.1	125.7	350,900 *
32	79.1	125.3	347,200 *
34	78.1	124.8	343,800 *
36	77.2	124.4	339,000 *
38	76.2	123.8	321,200 *
40	75.2	123.3	303,600
42	74.2	122.7	282,600
44	73.2	122.0	264,200
46	72.2	121.4	247,900
48	71.2	120.6	233,400
50	70.1	119.9	220,400
55	67.6	117.8	193,100
60	64.9	115.5	171,400
65	62.2	112.8	153,800
70	59.5	109.9	139,100
75	56.6	106.6	126,700
80	53.6	102.9	116,200
85	50.6	98.8	107,000
90	47.3	94.2	99,000
95	43.9	89.1	91,000 *
100	40.2	83.3	83,600 *
105	36.2	76.6	76,800 *
110	31.8	68.8	69,700 *
115	26.7	59.3	60,500 *
130 Ft. BOOM			
26	82.7	136.6	350,700 *
27	82.2	136.4	348,700 *
28	81.8	136.2	346,700 *
29	81.3	136.1	344,800 *
30	80.9	135.9	343,000 *
32	80.0	135.5	339,500 *
34	79.1	135.1	336,200 *
36	78.2	134.6	333,200 *
38	77.3	134.2	316,900 *
40	76.4	133.6	298,300 *
42	75.4	133.1	281,800 *
44	74.5	132.5	264,200
46	73.6	131.9	247,900
48	72.7	131.2	233,400
50	71.7	130.5	220,400

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
130 Ft. BOOM			
55	69.4	128.7	193,100
60	67.0	126.5	171,400
65	64.5	124.1	153,700
70	62.1	121.5	139,000
75	59.5	118.5	126,700
80	56.9	115.3	116,100
85	54.2	111.7	106,900
90	51.3	107.7	99,000
95	48.4	103.3	91,900
100	45.3	98.4	85,600 *
105	42.0	92.9	78,800 *
110	38.5	86.7	72,700 *
115	34.7	79.7	67,100 *
120	30.5	71.5	61,100 *
125	25.6	61.5	53,200 *
140 Ft. BOOM			
27	82.8	146.5	341,800 *
28	82.4	146.4	340,000 *
29	81.9	146.2	338,200 *
30	81.5	146.0	336,400 *
32	80.7	145.7	333,100 *
34	79.9	145.3	330,100 *
36	79.0	144.9	327,200 *
38	78.2	144.4	310,400 *
40	77.4	144.0	292,100 *
42	76.5	143.5	276,000 *
44	75.7	142.9	261,500 *
46	74.8	142.3	247,500
48	74.0	141.7	233,000
50	73.1	141.1	220,000
55	70.9	139.4	192,600
60	68.7	137.4	170,900
65	66.5	135.2	153,200
70	64.2	132.8	138,500
75	61.9	130.1	126,200
80	59.5	127.2	115,600
85	57.1	124.0	106,400
90	54.6	120.4	98,400
95	52.0	116.5	91,400
100	49.3	112.2	85,100
105	46.5	107.5	79,600
110	43.5	102.3	73,700 *
115	40.4	96.5	68,200 *
120	37.0	90.0	63,100 *
125	33.4	82.6	58,400 *
130	29.3	74.0	53,100 *

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
150 Ft. BOOM			
28	82.9	156.5	302,400 *
29	82.5	156.3	300,500 *
30	82.1	156.2	298,600 *
32	81.3	155.8	295,000 *
34	80.6	155.5	291,500 *
36	79.8	155.1	288,300 *
38	79.0	154.7	285,200 *
40	78.2	154.2	282,300 *
42	77.4	153.8	271,500 *
44	76.6	153.3	257,200 *
46	75.8	152.7	244,200 *
48	75.1	152.2	232,500 *
50	74.3	151.6	219,600
55	72.3	150.0	192,200
60	70.2	148.2	170,500
65	68.2	146.2	152,800
70	66.1	143.9	138,100
75	63.9	141.5	125,700
80	61.8	138.8	115,100
85	59.6	135.9	106,000
90	57.3	132.6	98,000
95	55.0	129.1	91,000
100	52.6	125.3	84,700
105	50.1	121.2	79,100
110	47.5	116.6	74,100
115	44.8	111.6	69,100 *
120	42.0	106.1	64,100 *
125	38.9	100.0	59,400 *
130	35.7	93.2	55,100 *
135	32.2	85.4	51,000 *
140	28.3	76.5	46,300 *

S/N: 2251248

Liftcrane Boom Capacities 2250 SERIES 3

Boom No. 44 With Heavy Lift Top
249,200 Lb. Crane Counterweight
120,000 Lb. Carbody Counterweight
360 Degree Rating

Meets ANSI B30.5 Requirements

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
160 Ft. BOOM			
29	83.0	166.4	292,100 *
30	82.6	166.3	290,300 *
32	81.9	166.0	287,100 *
34	81.1	165.7	284,000 *
36	80.4	165.3	281,100 *
38	79.7	164.9	278,300 *
40	79.0	164.5	275,700 *
42	78.2	164.0	267,200 *
44	77.5	163.6	253,000 *
46	76.8	163.1	240,300 *
48	76.0	162.6	228,700 *
50	75.3	162.0	218,200 *
55	73.4	160.5	191,700
60	71.5	158.8	170,000
65	69.6	157.0	152,300
70	67.7	154.9	137,600
75	65.7	152.6	125,200
80	63.7	150.2	114,600
85	61.7	147.5	105,400
90	59.6	144.5	97,400
95	57.5	141.3	90,400
100	55.3	137.9	84,100
105	53.1	134.1	78,500
110	50.7	130.1	73,500
115	48.4	125.6	69,000
120	45.9	120.8	64,600 *
125	43.3	115.6	60,000 *
130	40.5	109.8	55,700 *
135	37.6	103.4	51,700 *
140	34.5	96.2	47,900 *
145	31.1	88.2	44,400 *
150	27.3	78.8	40,100 *

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
170 Ft. BOOM			
30	83.0	176.4	284,100 *
32	82.4	176.1	281,100 *
34	81.7	175.8	278,300 *
36	81.0	175.5	275,600 *
38	80.3	175.1	273,100 *
40	79.6	174.7	270,700 *
42	78.9	174.3	263,000 *
44	78.2	173.8	249,000 *
46	77.5	173.4	236,400 *
48	76.9	172.9	225,000 *
50	76.2	172.4	214,700 *
55	74.4	171.0	191,600
60	72.6	169.4	169,800
65	70.9	167.6	152,100
70	69.1	165.7	137,400
75	67.2	163.6	125,000
80	65.4	161.3	114,500
85	63.5	158.8	105,300
90	61.6	156.1	97,300
95	59.6	153.2	90,300
100	57.6	150.0	84,000
105	55.6	146.6	78,400
110	53.5	142.9	73,400
115	51.3	138.9	68,800
120	49.1	134.6	64,700
125	46.8	129.9	60,900
130	44.4	124.9	56,700 *
135	41.9	119.3	52,700 *
140	39.2	113.3	49,100 *
145	36.4	106.6	45,600 *
150	33.4	99.2	42,400 *
155	30.1	90.8	39,300 *
160	26.5	81.1	35,500 *

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
180 Ft. BOOM			
32	82.8	186.2	274,600 *
34	82.1	185.9	272,100 *
36	81.5	185.6	269,700 *
38	80.9	185.3	267,400 *
40	80.2	184.9	265,200 *
42	79.6	184.5	258,200 *
44	78.9	184.1	244,600 *
46	78.3	183.6	232,200 *
48	77.6	183.2	221,000 *
50	76.9	182.7	210,700 *
55	75.3	181.4	188,900 *
60	73.6	179.9	169,300
65	72.0	178.3	151,600
70	70.3	176.5	136,900
75	68.6	174.5	124,500
80	66.8	172.3	113,900
85	65.1	170.0	104,700
90	63.3	167.5	96,700
95	61.5	164.8	89,700
100	59.6	161.8	83,400
105	57.8	158.7	77,800
110	55.8	155.3	72,800
115	53.9	151.7	68,300
120	51.8	147.7	64,100
125	49.8	143.5	60,300
130	47.6	139.0	56,900
135	45.4	134.1	52,900 *
140	43.1	128.8	49,300 *
145	40.6	123.0	45,800 *
150	38.1	116.7	42,600 *
155	35.4	109.8	39,600 *
160	32.4	102.1	36,800 *
165	29.2	93.4	34,100 *
170	25.7	83.3	30,500 *

S/N: 2251248

Liftcrane Boom Capacities 2250 SERIES 3

Boom No. 44 With Heavy Lift Top
249,200 Lb. Crane Counterweight
120,000 Lb. Carbody Counterweight
360 Degree Rating

Meets ANSI B30.5 Requirements

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
190 Ft. BOOM			
34	82.6	196.0	241,300 *
36	81.9	195.7	238,800 *
38	81.3	195.4	236,500 *
40	80.7	195.1	234,200 *
42	80.1	194.7	232,000 *
44	79.5	194.3	229,900 *
46	78.9	193.9	227,200 *
48	78.3	193.4	218,000 *
50	77.6	193.0	207,800 *
55	76.1	191.7	186,000 *
60	74.5	190.3	168,300 *
65	72.9	188.8	151,100
70	71.4	187.1	136,400
75	69.7	185.3	124,000
80	68.1	183.2	113,400
85	66.5	181.1	104,200
90	64.8	178.7	96,200
95	63.1	176.2	89,200
100	61.4	173.4	82,900
105	59.7	170.5	77,300
110	57.9	167.4	72,300
115	56.1	164.0	67,700
120	54.2	160.4	63,600
125	52.3	156.6	59,800
130	50.3	152.4	56,400
135	48.3	148.0	53,200
140	46.2	143.2	49,500 *
145	44.1	138.1	46,100 *
150	41.8	132.6	42,900 *
155	39.5	126.6	39,900 *
160	37.0	120.0	37,100 *
165	34.4	112.8	34,500 *
170	31.5	104.8	31,900 *
175	28.4	95.8	29,500 *

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
200 Ft. BOOM			
34	82.9	206.1	233,400 *
36	82.4	205.8	231,200 *
38	81.8	205.5	229,100 *
40	81.2	205.2	227,100 *
42	80.6	204.8	225,200 *
44	80.0	204.5	223,200 *
46	79.4	204.1	218,200 *
48	78.9	203.7	213,400 *
50	78.3	203.2	205,200 *
55	76.8	202.1	183,500 *
60	75.3	200.7	165,800 *
65	73.8	199.3	150,600
70	72.3	197.7	135,900
75	70.8	195.9	123,400
80	69.3	194.0	112,800
85	67.7	192.0	103,600
90	66.2	189.8	95,600
95	64.6	187.4	88,600
100	63.0	184.8	82,300
105	61.3	182.1	76,700
110	59.7	179.2	71,700
115	58.0	176.0	67,100
120	56.3	172.7	63,000
125	54.5	169.1	59,200
130	52.7	165.3	55,800
135	50.9	161.3	52,600
140	49.0	157.0	49,500 *
145	47.0	152.3	46,100 *
150	45.0	147.3	42,900 *
155	42.9	142.0	39,900 *
160	40.7	136.2	37,100 *
165	38.4	130.0	34,500 *
170	36.0	123.2	32,000 *
175	33.4	115.8	29,700 *
180	30.7	107.5	27,400 *
185	27.7	98.3	25,200 *

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
210 Ft. BOOM			
36	82.7	215.9	225,300 *
38	82.2	215.6	223,500 *
40	81.6	215.3	221,700 *
42	81.1	215.0	219,300 *
44	80.5	214.6	214,300 *
46	80.0	214.3	209,400 *
48	79.4	213.9	204,700 *
50	78.8	213.5	200,100 *
55	77.4	212.3	180,800 *
60	76.0	211.1	163,300 *
65	74.6	209.7	148,700 *
70	73.2	208.2	135,600
75	71.8	206.5	123,200
80	70.3	204.7	112,600
85	68.8	202.8	103,400
90	67.4	200.7	95,400
95	65.9	198.5	88,300
100	64.4	196.1	82,000
105	62.8	193.5	76,400
110	61.3	190.8	71,400
115	59.7	187.8	66,900
120	58.1	184.7	62,700
125	56.4	181.4	59,000
130	54.8	177.9	55,500
135	53.1	174.1	52,300
140	51.3	170.1	49,400
145	49.5	165.9	46,500 *
150	47.7	161.4	43,400 *
155	45.8	156.5	40,400 *
160	43.8	151.3	37,600 *
165	41.8	145.8	35,000 *
170	39.7	139.8	32,500 *
175	37.4	133.4	30,200 *
180	35.1	126.4	27,900 *
185	32.6	118.7	25,800 *
190	29.9	110.2	23,900 *
195	27.0	100.6	22,000 *

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Liftcrane Boom Capacities 2250 SERIES 3

Boom No. 44 With Heavy Lift Top
249,200 Lb. Crane Counterweight
120,000 Lb. Carbody Counterweight
360 Degree Rating

Meets ANSI B30.5 Requirements

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
220 Ft. BOOM			
38	82.5	225.8	217,300 *
40	82.0	225.5	214,800 *
42	81.5	225.1	209,800 *
44	80.9	224.8	205,000 *
46	80.4	224.4	200,200 *
48	79.9	224.1	195,600 *
50	79.4	223.7	191,200 *
55	78.0	222.6	177,800 *
60	76.7	221.4	160,500 *
65	75.3	220.1	146,000 *
70	74.0	218.7	133,800 *
75	72.6	217.1	122,600
80	71.2	215.4	112,000
85	69.9	213.5	102,800
90	68.5	211.6	94,800
95	67.0	209.4	87,700
100	65.6	207.2	81,500
105	64.2	204.7	75,800
110	62.7	202.2	70,800
115	61.2	199.4	66,300
120	59.7	196.5	62,100
125	58.2	193.4	58,300
130	56.6	190.1	54,900
135	55.0	186.6	51,700
140	53.4	182.9	48,800
145	51.7	179.0	46,100
150	50.1	174.8	43,200 *
155	48.3	170.4	40,200 *
160	46.5	165.6	37,400 *
165	44.7	160.6	34,800 *
170	42.8	155.2	32,300 *
175	40.8	149.5	30,000 *
180	38.7	143.3	27,800 *
185	36.5	136.6	25,700 *
190	34.2	129.4	23,700 *
195	31.8	121.5	21,800 *
200	29.2	112.7	20,000 *
205	26.3	102.9	18,300 *

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
230 Ft. BOOM			
38	82.9	235.9	193,200 *
40	82.4	235.6	191,600 *
42	81.8	235.3	190,000 *
44	81.3	234.9	188,500 *
46	80.8	234.6	187,100 *
48	80.3	234.2	183,900 *
50	79.8	233.9	180,200 *
55	78.6	232.9	170,900 *
60	77.3	231.7	158,500 *
65	76.0	230.5	144,100 *
70	74.7	229.1	131,900 *
75	73.4	227.6	121,500 *
80	72.1	226.0	111,500
85	70.8	224.2	102,300
90	69.4	222.3	94,300
95	68.1	220.3	87,200
100	66.7	218.2	80,900
105	65.4	215.9	75,300
110	64.0	213.4	70,300
115	62.6	210.8	65,700
120	61.2	208.1	61,600
125	59.7	205.1	57,800
130	58.3	202.1	54,300
135	56.8	198.8	51,200
140	55.2	195.3	48,200
145	53.7	191.7	45,500
150	52.1	187.8	43,000
155	50.5	183.7	40,100 *
160	48.9	179.3	37,300 *
165	47.2	174.7	34,700 *
170	45.4	169.8	32,200 *
175	43.6	164.6	29,900 *
180	41.8	159.0	27,700 *
185	39.8	153.1	25,600 *
190	37.8	146.7	23,700 *
195	35.7	139.8	21,800 *
200	33.5	132.4	20,000 *
205	31.1	124.2	18,300 *
210	28.5	115.2	16,700 *
215	25.7	105.1	15,100 *

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
240 Ft. BOOM			
40	82.7	245.7	185,800 *
42	82.2	245.4	184,400 *
44	81.7	245.1	181,900 *
46	81.2	244.7	178,400 *
48	80.7	244.4	174,900 *
50	80.3	244.0	171,300 *
55	79.0	243.1	162,500 *
60	77.8	242.0	153,900 *
65	76.6	240.8	141,600 *
70	75.4	239.5	129,500 *
75	74.1	238.0	119,100 *
80	72.9	236.5	110,200 *
85	71.6	234.8	101,700
90	70.3	233.0	93,700
95	69.1	231.1	86,600
100	67.8	229.1	80,300
105	66.5	226.9	74,700
110	65.2	224.6	69,600
115	63.8	222.1	65,100
120	62.5	219.5	60,900
125	61.1	216.7	57,200
130	59.7	213.8	53,700
135	58.3	210.7	50,500
140	56.9	207.5	47,600
145	55.5	204.0	44,900
150	54.0	200.4	42,300
155	52.5	196.6	39,800 *
160	50.9	192.5	37,000 *
165	49.4	188.2	34,400 *
170	47.8	183.7	31,900 *
175	46.1	178.9	29,600 *
180	44.4	173.9	27,400 *
185	42.6	168.5	25,300 *
190	40.8	162.7	23,400 *
195	38.9	156.6	21,500 *
200	37.0	150.0	19,700 *
205	34.9	142.9	18,000 *
210	32.7	135.3	16,400 *
215	30.4	126.9	14,800 *
220	27.9	117.7	13,300 *
225	25.1	107.3	11,900 *

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Liftcrane Boom Capacities 2250 SERIES 3

Boom No. 44 With Heavy Lift Top
249,200 Lb. Crane Counterweight
120,000 Lb. Carbody Counterweight
360 Degree Rating

Meets ANSI B30.5 Requirements

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
250 Ft. BOOM			
40	83.0	255.8	179,100 *
42	82.5	255.5	177,900 *
44	82.0	255.2	174,900 *
46	81.6	254.9	171,600 *
48	81.1	254.6	168,200 *
50	80.6	254.2	164,900 *
55	79.5	253.3	156,500 *
60	78.3	252.2	148,300 *
65	77.1	251.1	140,300 *
70	76.0	249.8	129,700 *
75	74.8	248.5	119,300 *
80	73.6	247.0	110,400 *
85	72.4	245.4	102,500
90	71.2	243.7	94,400
95	69.9	241.8	87,400
100	68.7	239.9	81,100
105	67.5	237.8	75,500
110	66.2	235.6	70,400
115	64.9	233.3	65,900
120	63.7	230.8	61,700
125	62.4	228.2	58,000
130	61.1	225.4	54,500
135	59.7	222.5	51,300
140	58.4	219.4	48,400
145	57.0	216.2	45,700
150	55.6	212.7	43,100
155	54.2	209.1	40,800
160	52.8	205.4	38,600
165	51.3	201.4	36,000 *
170	49.8	197.2	33,600 *
175	48.3	192.7	31,200 *
180	46.7	188.0	29,100 *
185	45.1	183.1	27,000 *
190	43.4	177.8	25,000 *
195	41.7	172.2	23,200 *
200	40.0	166.3	21,400 *
205	38.1	160.0	19,700 *
210	36.2	153.2	18,100 *
215	34.2	146.0	16,600 *
220	32.0	138.1	15,200 *
225	29.7	129.5	13,800 *
230	27.3	120.1	12,400 *

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
260 Ft. BOOM			
42	82.8	265.6	169,400 *
44	82.4	265.3	166,100 *
46	81.9	265.0	162,800 *
48	81.5	264.7	159,700 *
50	81.0	264.4	156,500 *
55	79.9	263.5	148,500 *
60	78.8	262.5	140,700 *
65	77.6	261.4	133,100 *
70	76.5	260.1	125,900 *
75	75.4	258.8	117,200 *
80	74.2	257.4	108,300 *
85	73.1	255.9	100,500 *
90	71.9	254.2	93,600 *
95	70.7	252.5	86,800
100	69.6	250.6	80,500
105	68.4	248.6	74,900
110	67.2	246.5	69,800
115	66.0	244.3	65,300
120	64.8	241.9	61,100
125	63.5	239.4	57,300
130	62.3	236.8	53,900
135	61.0	234.0	50,700
140	59.8	231.1	47,800
145	58.5	228.1	45,000
150	57.1	224.8	42,500
155	55.8	221.4	40,200
160	54.5	217.9	38,000
165	53.1	214.1	35,600 *
170	51.7	210.2	33,200 *
175	50.2	206.0	30,800 *
180	48.8	201.7	28,600 *
185	47.3	197.1	26,600 *
190	45.8	192.2	24,600 *
195	44.2	187.1	22,800 *
200	42.6	181.7	21,000 *
205	40.9	176.0	19,300 *
210	39.1	169.9	17,700 *
215	37.3	163.4	16,200 *
220	35.4	156.4	14,700 *
225	33.5	149.0	13,400 *
230	31.4	140.9	12,000 *
235	29.1	132.1	10,800 *
240	26.7	122.4	9,500 *

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
270 Ft. BOOM			
44	82.6	275.4	153,900 *
46	82.2	275.1	151,800 *
48	81.8	274.8	148,900 *
50	81.3	274.5	146,100 *
55	80.3	273.6	139,000 *
60	79.2	272.7	131,900 *
65	78.1	271.6	125,000 *
70	77.0	270.4	118,300 *
75	75.9	269.2	111,900 *
80	74.8	267.8	105,800 *
85	73.7	266.4	98,600 *
90	72.6	264.8	91,700 *
95	71.5	263.1	85,600 *
100	70.4	261.3	79,900
105	69.2	259.4	74,300
110	68.1	257.4	69,300
115	66.9	255.3	64,700
120	65.8	253.0	60,500
125	64.6	250.6	56,800
130	63.4	248.1	53,300
135	62.2	245.5	50,100
140	61.0	242.7	47,200
145	59.8	239.8	44,500
150	58.5	236.7	41,900
155	57.3	233.5	39,600
160	56.0	230.1	37,400
165	54.7	226.6	35,300
170	53.4	222.9	32,800 *
175	52.0	219.0	30,500 *
180	50.6	214.9	28,300 *
185	49.2	210.6	26,200 *
190	47.8	206.1	24,300 *
195	46.3	201.3	22,400 *
200	44.8	196.3	20,700 *
205	43.3	191.1	19,000 *
210	41.7	185.5	17,400 *
215	40.1	179.6	15,900 *
220	38.4	173.3	14,400 *
225	36.6	166.6	13,000 *
230	34.8	159.5	11,700 *
235	32.8	151.9	10,400 *
240	30.8	143.6	9,200 *
245	28.6	134.6	8,100 *
250	26.2	124.7	6,400 *

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Liftcrane Boom Capacities 2250 SERIES 3

Boom No. 44 With Heavy Lift Top
249,200 Lb. Crane Counterweight
120,000 Lb. Carbody Counterweight
360 Degree Rating

Meets ANSI B30.5 Requirements

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
280 Ft. BOOM			
44	82.9	285.5	142,700 *
46	82.5	285.2	142,000 *
48	82.1	284.9	141,300 *
50	81.7	284.6	138,600 *
55	80.6	283.8	130,900 *
60	79.6	282.9	129,100 *
65	78.5	281.8	127,700 *
70	77.5	280.7	125,000 *
75	76.4	279.5	114,700 *
80	75.4	278.2	105,800 *
85	74.3	276.8	98,000 *
90	73.2	275.3	91,100 *
95	72.2	273.7	84,900 *
100	71.1	271.9	79,500 *
105	70.0	270.1	74,300
110	68.9	268.2	69,200
115	67.8	266.1	64,600
120	66.7	264.0	60,500
125	65.6	261.7	56,700
130	64.4	259.3	53,200
135	63.3	256.8	50,000
140	62.1	254.1	47,100
145	61.0	251.4	44,300
150	59.8	248.5	41,500 *
155	58.6	245.4	38,500 *
160	57.4	242.2	35,800 *
165	56.1	238.8	33,200 *
170	54.9	235.3	30,800 *
175	53.6	231.6	28,500 *
180	52.3	227.8	26,400 *
185	51.0	223.7	24,400 *
190	49.7	219.5	22,500 *
195	48.3	215.1	20,700 *
200	46.9	210.4	19,000 *
205	45.5	205.5	17,400 *
210	44.0	200.3	15,900 *
215	42.5	194.9	14,400 *
220	40.9	189.2	13,000 *
225	39.3	183.1	11,700 *
230	37.6	176.7	10,400 *
235	35.9	169.9	9,200 *
240	34.1	162.6	8,000 *
245	32.2	154.7	6,900 *
250	30.2	146.3	5,800 *
255	28.0	137.1	4,700 *

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
290 Ft. BOOM			
46	82.7	295.3	132,000 *
48	82.3	295.0	131,400 *
50	81.9	294.7	130,800 *
55	80.9	293.9	129,600 *
60	79.9	293.0	127,400 *
65	78.9	292.1	124,000 *
70	77.9	291.0	120,000 *
75	76.9	289.8	113,300 *
80	75.9	288.6	104,400 *
85	74.9	287.2	96,700 *
90	73.8	285.7	89,800 *
95	72.8	284.2	83,800 *
100	71.8	282.5	78,300 *
105	70.7	280.8	73,400 *
110	69.7	278.9	68,900 *
115	68.6	277.0	64,400
120	67.5	274.9	60,300
125	66.5	272.7	56,500
130	65.4	270.4	53,000
135	64.3	268.0	49,800
140	63.2	265.5	46,900
145	62.0	262.8	44,100
150	60.9	260.0	41,300 *
155	59.8	257.1	38,300 *
160	58.6	254.1	35,600 *
165	57.4	250.9	33,000 *
170	56.3	247.5	30,600 *
175	55.1	244.0	28,300 *
180	53.8	240.4	26,200 *
185	52.6	236.6	24,200 *
190	51.3	232.6	22,300 *
195	50.0	228.4	20,500 *
200	48.7	224.0	18,800 *
205	47.4	219.4	17,200 *
210	46.0	214.6	15,700 *
215	44.6	209.6	14,200 *
220	43.2	204.3	12,800 *
225	41.7	198.7	11,500 *
230	40.2	192.8	10,200 *
235	38.6	186.6	9,000 *
240	37.0	180.0	7,800 *
245	35.3	173.0	6,700 *
250	33.5	165.5	5,600 *
255	31.6	157.5	4,600 *

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
300 Ft. BOOM			
46	83.0	305.4	123,300 *
48	82.6	305.1	122,900 *
50	82.2	304.8	122,600 *
55	81.3	304.1	120,400 *
60	80.3	303.2	116,000 *
65	79.3	302.3	111,900 *
70	78.3	301.2	108,300 *
75	77.4	300.1	104,900 *
80	76.4	298.9	101,700 *
85	75.4	297.6	94,800 *
90	74.4	296.2	88,000 *
95	73.4	294.7	82,000 *
100	72.4	293.1	76,600 *
105	71.4	291.4	71,700 *
110	70.4	289.6	67,200 *
115	69.4	287.7	63,200 *
120	68.3	285.7	59,400 *
125	67.3	283.6	55,800
130	66.2	281.4	52,400
135	65.2	279.1	49,100 *
140	64.1	276.7	45,400 *
145	63.1	274.1	41,900 *
150	62.0	271.5	38,600 *
155	60.9	268.7	35,600 *
160	59.8	265.8	32,800 *
165	58.7	262.7	30,200 *
170	57.5	259.6	27,800 *
175	56.4	256.2	25,500 *
180	55.2	252.8	23,300 *
185	54.0	249.1	21,300 *
190	52.8	245.4	19,500 *
195	51.6	241.4	17,700 *
200	50.4	237.3	16,100 *
205	49.1	233.0	14,500 *
210	47.8	228.4	13,100 *
215	46.5	223.7	11,700 *
220	45.2	218.8	10,400 *
225	43.8	213.6	9,200 *
230	42.4	208.1	8,100 *
235	40.9	202.4	7,000 *
240	39.5	196.4	6,000 *
245	37.9	190.0	5,000 *
250	36.3	183.3	4,200 *

S/N: 2251248

Manitowoc Recommendations

Operation Permitted

Operation is permitted in steady winds or wind gusts up to the maximum speed given in the following tables, provided ratings are reduced the specified amount for the corresponding attachment.

Crane

Tables 1-5 are for cranes without Max-Er Attachment. For Max-Er 225 or 400 Attachment, refer to Tables 6-9.

Table 1
Rating Reductions for Various Wind Speeds and Wind Gusts
WHEN EQUIPPED WITH BOOM ONLY (HEAVY LIFT OR LONG REACH)

Boom Length ft (m)		70–220 (21.3–67.1)	230–260 (70.1–79.2)	270–300 (82.3–91.4)	310–330 (94.5–100.6)
Maximum Wind Speed mph	m/s	**Percent Rating Reduction**			
15	7	0	0	0	0
20	9	0	0	10	10
25	11	0	10	20	30
30	13	0	10	30	40
35	16	0	20	50	60
Above 35 mph (16 m/s)		**OPERATION NOT PERMITTED**			

For operation in winds above 30 mph (13 m/s) with boom positioned above 80º, load block must weigh at least 4,800 lb (2 177 kg). ***Boom may be blown over backwards if this precaution is not observed.***

Table 2
Rating Reductions for Various Wind Speeds and Wind Gusts
WHEN EQUIPPED WITH BOOM (HEAVY LIFT OR LONG REACH) AND FIXED JIB AT ANY OFFSET ANGLE

Fixed Jib Length ft (m)		40–80 (12.2–24.4)	40–80 (12.2–24.4)	100–120 (30.5–36.6)	100–120 (30.5–36.6)
Boom Length ft (m)		130–220 (39.6–67.1)	230–280 (70.1–85.3)	130–220 (39.6–67.1)	230–270 (70.1–82.3)
Maximum Wind Speed mph	m/s	**Percent Rating Reduction**			
15	7	0	0	0	0
20	9	0	10	0	10
25	11	0	10	10	20
30	13	10	20	20	50
35	16	10	40		
Above 35 mph (16 m/s)		**OPERATION NOT PERMITTED**			

For operation in winds above 20 mph (9 m/s) with boom positioned above 75º, load block from jib point must weigh at least 4,400 lb (1 996 kg). ***Fixed jib may be blown over backwards if this precaution is not observed.***



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