

model 1015

product guide

features

- 120 mton (132 ton) Capacity
- 493 mton-m (3,600 ft-kips) Maximum Load Moment
- 61,0 m (200') Heavy-Duty Boom
- 67,1 m (220') Fixed Jib on Heavy-Duty Boom
- 447 kW (600 HP) engine
- EPIC® controls with CAN-BUS technology
- 187 m/min (615 fpm) line speed on 196 kN (44,000 lb) drum
- 131 m/min (430 fpm) line speed on 294 kN (66,000 lb) drum
- 294 kN (66,000 lb) line pull standard
- 196 kN (44,000 lb) line pull optional
- 147 kN (33,000 lb) line pull optional - 3rd drum
- 681 l/min @ 300 bar (180 gpm @ 4300 psi) Auxiliary Hydraulic Package
- Auxiliary hydraulic power packs for attachment power
- 178 kN (40,000 lb) Material Rehandling Clamshell capacity
- 111 kN (25,000 lb) Dragline capacity
- Fast, efficient self-assembly and disassembly
- Manitowoc Crane CARE comprehensive support

foundation and duty-cycle

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	Specifications	Outline Dimensions and Weights	Wire Rope Lengths	Wire Rope Specifications	Boom Raising	Boom Combinations	Capacity Charts
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CraneCARE SM	26-27						
No. 83 Boom							
No. 83 Boom with Hammerhead Top	4	8	13	14	14	17	18-19,21
No. 83 Boom with Heavy-Lift Top with No. 134A Fixed Jib	4	9	13	14	14	17	23-24
Attachments	5					25	

Upperworks



Engine

Cummins Model QSX15 diesel, 6 cylinder, 447 kW (600 BHP) @ 1800 rated RPM

Optional: Auxiliary Hydraulic Power Pack – sized to power the "high power" attachments or where crane power is required for drum performance.

Includes engine block heater, ether starting aid, disconnect clutch for cold weather starting, high silencing muffler, high performance hydraulic oil cooler, radiator and high efficiency fan.

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

Two 12 volt maintenance-free batteries, 1,300 CCA at -18° C (0° F), 24 volt system and 75 amp alternator.

One diesel fuel tank, 851 l (225 gal), with level indicator in operator's cab.

Optional: Cold-weather package with heater for fluids 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® **Electronically Processed Independent Control** system with CAN-BUS technology providing microprocessor driven control logic, pump control, on-board diagnostics, and service information.

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

Travel and swing alarms are standard equipment.

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: Anemometer (wind indicator).

Optional: Foot control for travel.



Hydraulic System

Three high-pressure piston pumps, driven by a multi-pump transmission, provide independent closed-loop hydraulic power for the hoisting drums and boom hoist. Two high-pressure, open-loop piston pumps, driven by a multi-pump transmission provide 681 l/min @ 300 bar (180 gpm @ 4300 psi) hydraulic power for the left and right crawler, swing, 3rd/4th drums or attachments.

Hydraulic reservoir is equipped with breather, clean out access, and internal return filters.

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

System includes high performance hydraulic oil cooler and replaceable full flow filter. All oil is filtered before entering the hydraulic pumps and upon return to the reservoir.

Hydraulic system also includes pump transmission disconnect.



Drums

Two equal width drums, 678 mm (26-11/16") wide and 787 mm (31") diameter, are driven by independent variable displacement axial piston hydraulic motors through planetary reduction mounted on separate front and rear shafts with anti-friction bearings. Laggings are supplied with grooves for 32 mm wire rope for 20 mton (44,000 lb) and 38 mm wire rope for 30 mton (66,000 lb) drums.

Powered hoisting/lowering operation is standard with automatic (spring applied, hydraulically released) multi-disc brakes, and drum rotation indicators.

Free-fall operation is standard for front and rear drums. Wet disc brake manually applied by foot pedal with locking latch in operator's cab. Operator may select free-fall or powered lowering mode using a selector switch.

Optional: Auxiliary (third) hydraulic powered drum rated 147 kN (33,000 lb) line pull mounted in boom butt. Includes third drum control system.

Optional: Auxiliary (fourth) hydraulic powered drum rated 66,7 kN (15,000 lb) line pull primarily for pile driving to "upright" pile, support hoses, etc. Includes fourth drum control system.

Optional: Auxiliary drum preparation includes electric wiring, controls, hydraulic pump and plumbing.



Boom Hoist

Independent boom hoist with one grooved drum. Includes wire rope for 12-part boom hoist reeving.

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

Boom hoist speed: raise 54,9 m (180') full main boom from 0- 82 degrees in 1 minute, 40 seconds.

specifications

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Swing System

High strength fabricated steel rotating bed is mounted on 2 146 mm (7'-1/2") diameter heavy-duty 3-row roller bearing turntable.

Independent swing powered by two fixed displacement hydraulic motors coupled to a planetary reduction gearbox with internal brake.

Swing system maximum speed: 3.5 rpm.



Boom Support System

Moving mast is 7,6 m (25') long and connects the boom hoist reeving to the boom support pendants. When used with optional self-erect package, the mast is utilized for crane assembly and disassembly. It is capable of stacking the counterweights, and assembling the boom and jib, and attaching crawlers.

Cushioned physical boom stop and automatic electric boom stop are standard.

Counterweight tray and counterweights for the upperworks are raised by a pair of cylinders. Counterweight attaches to the rotating bed by pins.



Counterweight

QTY.	ITEM	UNIT WEIGHT		TOTAL WEIGHT	
		kg	lb	kg	lb
1	Upperworks Tray	7 961	17,550	7 961	17,550
2	Upper Box	6 123	13,500	12 250	27,000
2	Upper Box	1 951	4,300	3 001	8,600
	Pins, links, etc.	318	700	318	700
	TOTAL			23 530	53,850



Operator's Vision 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, air conditioning, and radio are standard.

Optional: Nylon protective window covers.

Optional: 10,7 m (35') elevated cab with catwalks and railing.



No. 83 Heavy-Lift Boom

The liftcrane is equipped with 15,2 m (50') of No. 83 basic heavy-lift angle chord boom consisting of a 6,7 m (22') butt, 7,6 m (25') transition, and 0,9 m (3') hammerhead top with four 91,4 cm (36") diameter roller bearing sheaves on one shaft. Includes LMI Hardware, rope guides, boom hoist wire rope, boom angle indicator, and 30,0 mton (33 ton) swivel hook and weight ball. The No. 83 boom utilizes boom support pendants.

Powered boom hinge system including cylinder, piping, operating controls, and locking device standard.

Optional: 3,0 m (10'), 6,1 m (20'), and 12,2 m (40') No. 83 boom inserts with boom support pendants. Utilize boom inserts in combination with No. 83 basic main boom for total length up to 54,8 m (180').

Optional: No. 83 detachable upper boom point with one 76,2 cm (30") diameter tapered roller bearing steel sheave grooved for 32 mm or 38 mm rope with rope guard for liftcrane.



No. 134A Fixed Jib

Optional: No. 134A basic fixed jib 6,1 m (20') length consisting of 4,6 m (15') jib butt and 1,5 m (5') jib top with 3,7 m (12') jib strut, pendants, and backstay. Includes LMI hardware. For use with No. 83 boom.

Optional: No. 1015 fixed jib inserts 3,0 m (10') and 6,1 m (20') with pendants.

Utilize fixed jib inserts in combination with the No. 134A basic fixed jib for total lengths of to 21,3 m (70').

Lowerworks



Carbody

Heavy-duty carbody connects rotating bed and crawler frames.



Crawlers

Crawler assemblies are 7,06 m (23' 2") long with 1 000 mm (39") wide cast steel crawler pads and sealed low maintenance intermediate rollers. Each crawler is powered independently by a variable displacement hydraulic motor. Crawlers provide ample tractive effort for counter rotation with full rated load.

specifications

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Maximum ground speed of 1,61 kph (1.0 mph).
Crawler track and shoe specifications:

SHOE mm (in)	TRACK mm (in)			
	Gauge Extended	Gauge Retracted	Width Extended	Width Retracted
Standard: 1 000 (39)	4 000 (157.48)	2 900 (114.17)	5 000 (196.85)	3 900 (153.54)

Optional Equipment

Optional: Self-erect system, includes sheave for counterweight and boom handling, jacking cylinders with pads, alignment device, carbody support pedestals, and 27,2-mton (30-ton) assembly block.

30,0 mton (33 ton) swivel hook and weight ball for auxiliary drum.

27,2-mton (30-ton) hook block with single roller bearing sheave grooved for 32 or 38 mm wire rope and roller bearing swivel hook with hook latch and swivel lock (assembly block).

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.

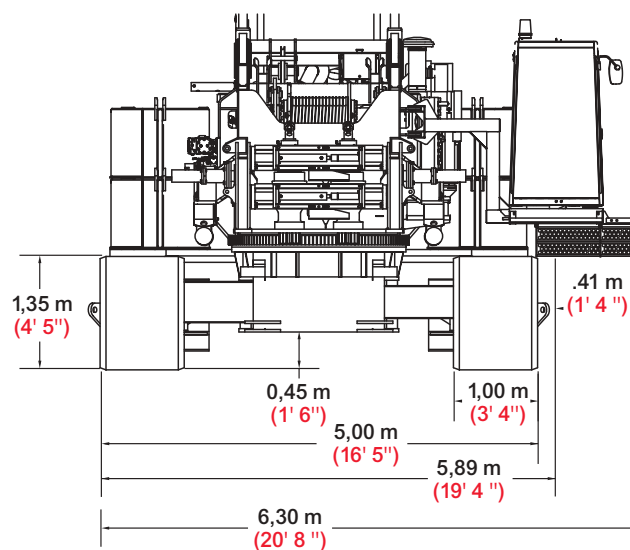
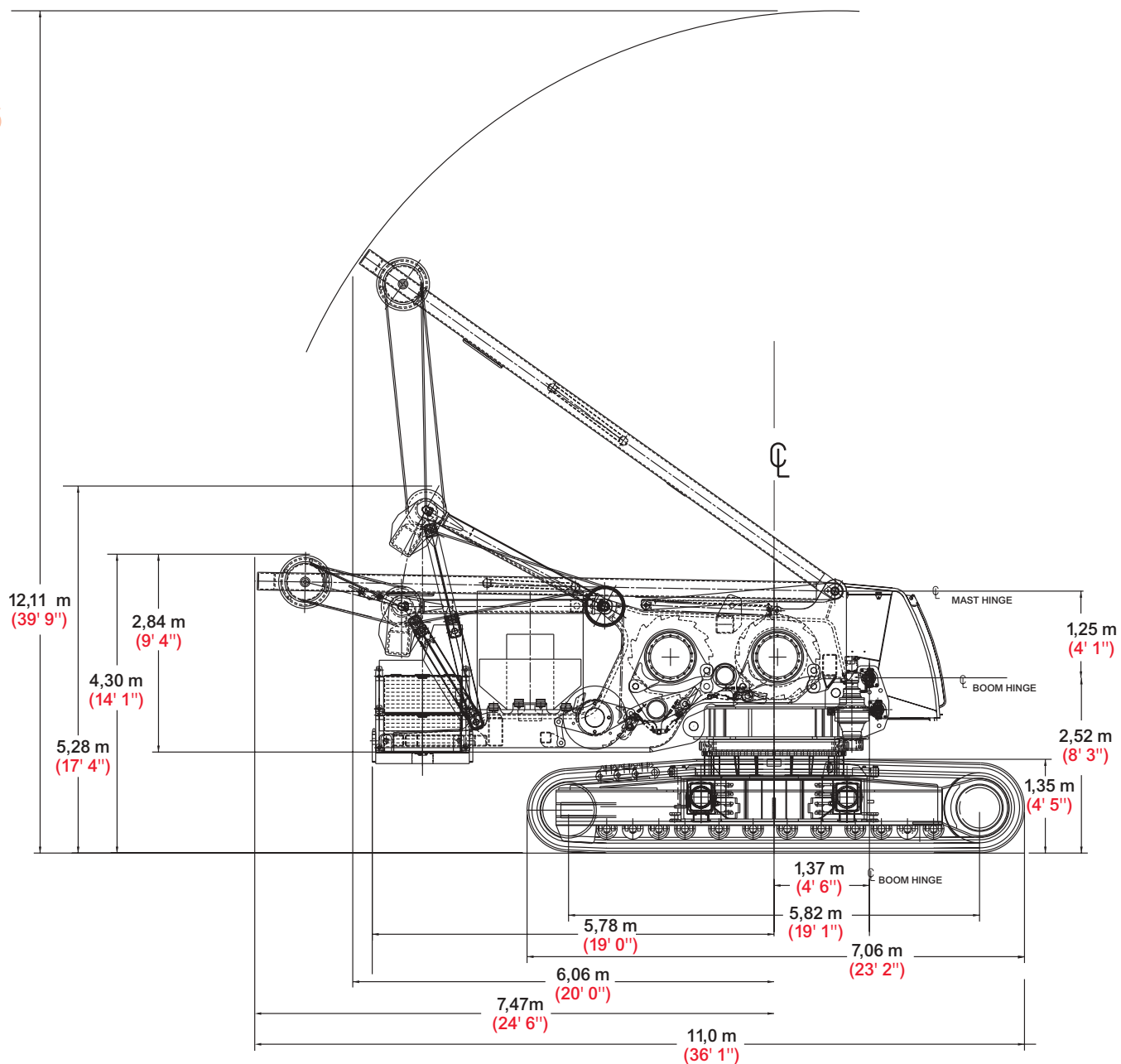
Optional: Special Paint other than Manitowoc standard red and black.

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.

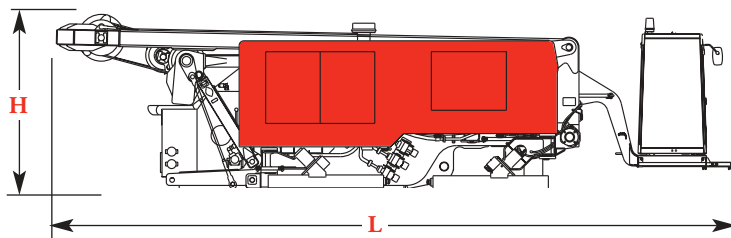
outline dimensions

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outline dimensions

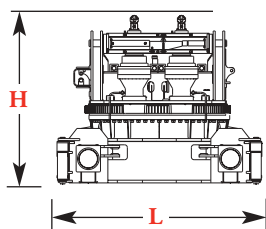
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Upperworks

Length	11,02 m	36' 2"
Width	3,50 m	11' 6"
Height	3,03 m	9' 11"
Weight	39 734 kg	87,600 lb

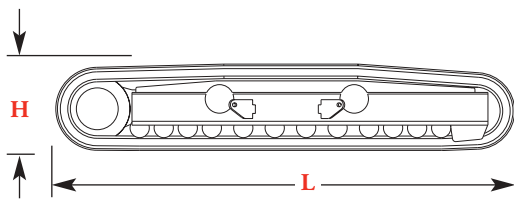
Note: Weight includes upperworks, operator's cab, mast, boom-hoist wire rope, optional self-assembly jacks, full hydraulic fluid reservoir, and half tank of fuel.



Carbody Adapter Frame

Length	4,50 m	14' 9"
Width	3,00 m	9' 10"
Height	2,48 m	8' 2"
Weight	19 277 kg	42,500 lb

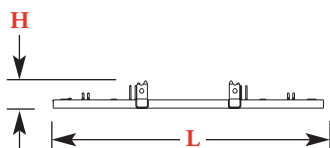
Note: Width is with crawler beams retracted, carbody rotated 90° for shipping.



Crawlers

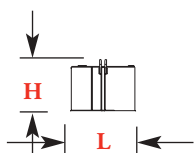
x 2

Length	7,15 m	23' 6"
Width	1,00 m	3' 4"
Height	1,35 m	4' 5"
Weight	15 944 kg	35,150 lb



Counterweight Tray

Length	5,09 m	16' 8"
Width	1,49 m	4' 11"
Height	0,29 m	1' 0"
Weight	7 961 kg	17,550 lb

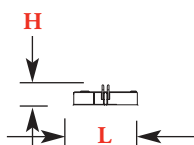


Side Counterweight

Lower

x 2

Length	1,18 m	3' 11"
Width	1,12 m	3' 8"
Height	0,97 m	3' 2"
Weight	6 123 kg	13,500 lb



Side Counterweight

Upper

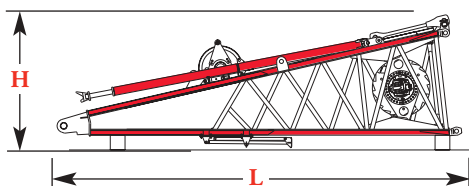
x 2

Length	1,18 m	3' 11"
Width	1,12 m	3' 8"
Height	0,74 m	2' 5"
Weight	1 951 kg	4,300 lb

Option

outline dimensions

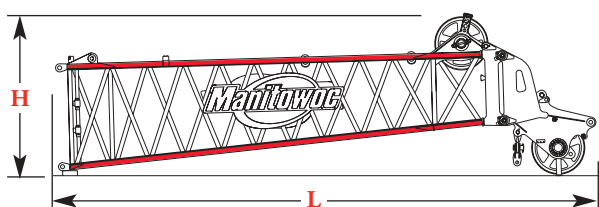
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No. 83 Boom Butt 6,7 m (22') & Wire Rope Guide, Boom Stop x 1

Length	6,99 m	23' 0"
Width	1,93 m	6' 4"
Height	2,29 m	7' 6"
Weight	2 680 kg	6,650 lb

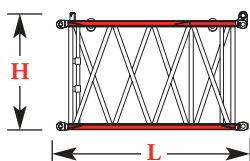
Note: Includes boom butt support for self-erect option and boom angle indicator. With optional drum total weight is 6 056 kg (13,350 lb).



No. 83 Transition 7,6 m (25') & No. 83 Hammerhead Top 0,9 m (3') & Wire Rope Guide, Pendants x 1

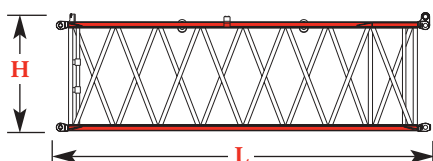
Length	9,30 m	30' 6"
Width	1,93 m	6' 4"
Height	2,77 m	9' 1"
Weight	4 209 kg	9,280 lb

Note: Wire rope guide shown in stowed position.



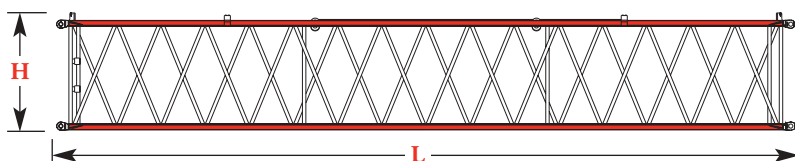
No. 83 Main Boom 3,0 m (10') Insert & Pendants x 1

Length	3,23 m	10' 7"
Width	2,08 m	6' 10"
Height	1,91 m	6' 3"
Weight	760 kg	1,675 lb



No. 83 Main Boom 6,1 m (20') Insert & Pendants x 1

Length	6,27 m	20' 7"
Width	2,08 m	6' 10"
Height	1,91 m	6' 3"
Weight	1 216 kg	2,680 lb

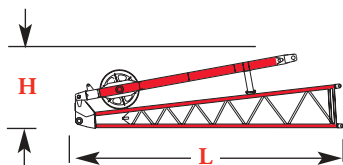


No. 83 Main Boom 12,2 m (40') Insert & Pendants x 1, 2, 3

Length	12,37 m	40' 7"
Width	2,08 m	6' 10"
Height	1,91 m	6' 3"
Weight	1 735 kg	3,825 lb

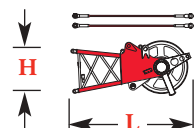
Option

outline dimensions

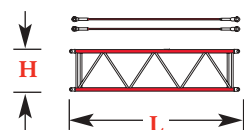


No. 134 Jib Butt 4,6 m (15') & Strut, Stop x 1		
Length	4,67 m	15' 4"
Width	0,86 m	2' 10"
Height	1,29 m	4' 3"
Weight	635 kg	1,400 lb

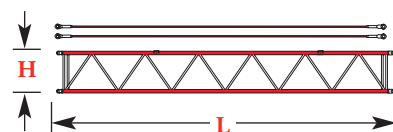
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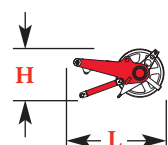
No. 134A Jib Top 1,5 m (5') & Pendants x 1		
Length	2,08 m	6' 10"
Width	0,79 m	2' 7"
Height	0,79 m	2' 7"
Weight	572 kg	1,262 lb



No. 134 Jib Insert 3,0 m (10') & Pendants x 1		
Length	3,20 m	10' 6"
Width	0,79 m	2' 7"
Height	0,79 m	2' 7"
Weight	218 kg	480 lb



No. 134 Jib Insert 6,1 m (20') & Pendants x 1, 2		
Length	6,17 m	20' 3"
Width	0,79 m	2' 7"
Height	0,79 m	2' 7"
Weight	340 kg	750 lb



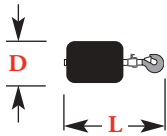
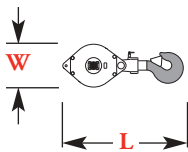
No. 83 Upper Boom Point x 1		
Length	1,73 m	5' 8"
Width	0,78 m	2' 7"
Height	0,91 m	3' 0"
Weight	585 kg	1,290 lb

Note: Includes mounting bracket

Option

outline dimensions

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Hook Block for 32 or 38 mm Wire Rope

Capacity	27,2 mt	30 t	Length	1,89 m	6' 3"
Weight	714 kg	1,575 lb	Width	0,78 m	2' 7"

Weight Ball

Capacity/Swivel	30,0 mt	33 t	Diameter	0,47 m	1' 9"
Weight	680 kg	1 500 lb	Length	1,28 m	4' 4"

transport data

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Trailer Load Out Summary

Model 1015

No. 83 Boom 61,0 m (200') and

No. 134A Fixed Jib 21,3 m (70')

Item	Weight each Item	Quantity on Trailer Load #							
	kg (lb)	1	2	3*	4*	5	6**	7	8
No. 1015 Basic Crane	39 734 (87,600)	1							
Carbody Adapter Frame	00 000 (00,000)		1						
Crawler	15 944 (33,150)			1	1				
Counterweight Tray	7 961 (17,500)					1			
Upper Side Counterweight	1 951 (4,300)								2
Lower Side Counterweight	6 123 (13,500)						1	1	
6,7 m (22') No. 83 Boom Butt	3 686 (6,650)					1			
8,5 m (28') No. 83 Transition, Top, Guide	4 209 (9,280)						1		
3,0 m (10') No. 83 Boom Insert	760 (1,675)					1			
6,1 m (20') No. 83 Boom Insert	1 216 (2,680)			1					
12,2 m (40') No. 83 Boom Insert	1 735 (3,825)				1			1	1
6,1 m (20') No. 134A Jib & Strut	1 207 (2,662)			1					
3,0 m (10') No. 134 Jib Insert	218 (480)						1		
6,1 m (20') No. 134 Jib Insert	340 (750)						1		
30 mton (33 ton) Self-assembly Block	714 (1,575)							1	
30 mton (33 ton) Weight Ball	680 (1,500)							1	
No. 83 Upper Boom Point	585 (1,290)					1			
Approximate Total Shipping Weight kg (lb)		39 734 (87,600)	00 000 (00,000)	18 367 (38,492)	17 769 (36,975)	12 992 (27,115)	10 890 (24,010)	9 252 (20,400)	5 637 (12,425)

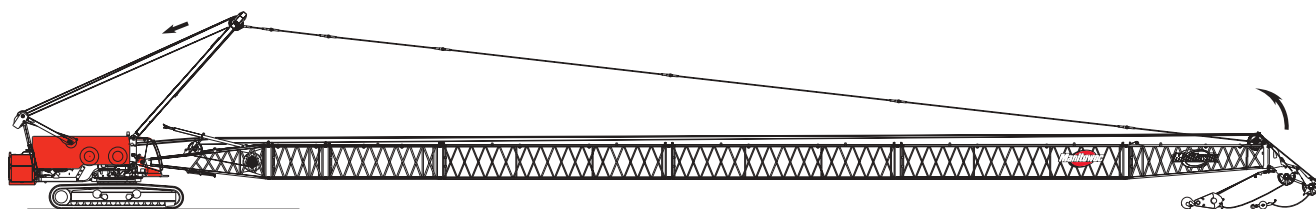
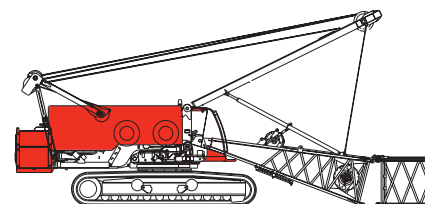
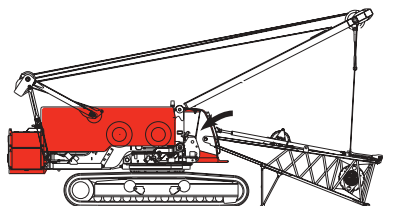
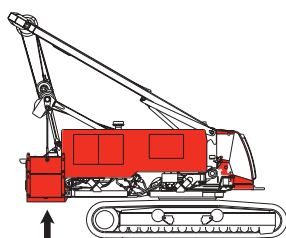
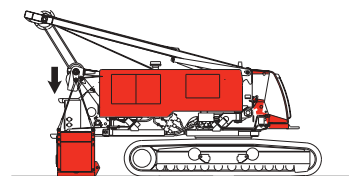
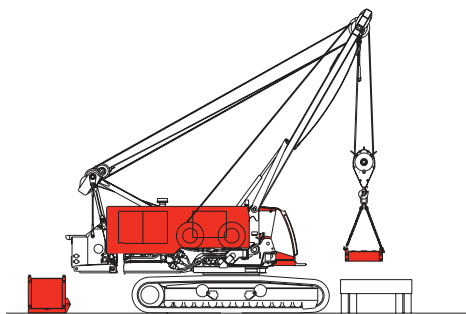
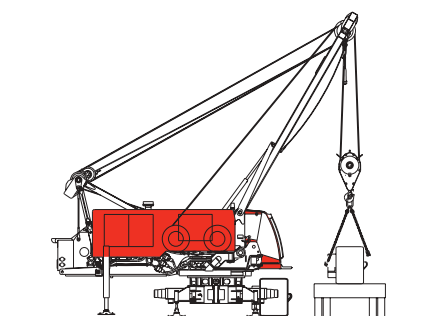
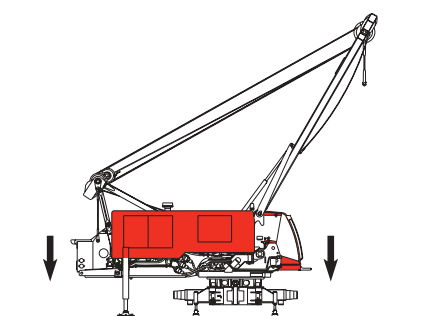
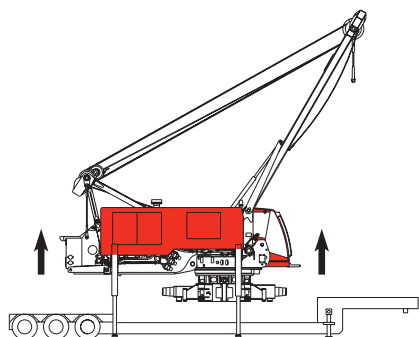
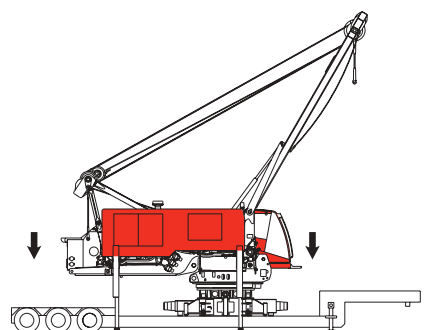
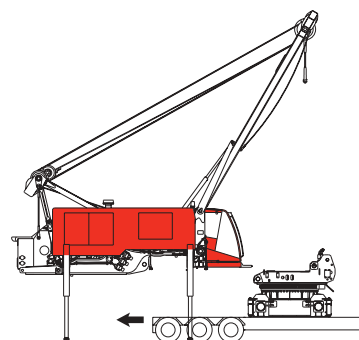
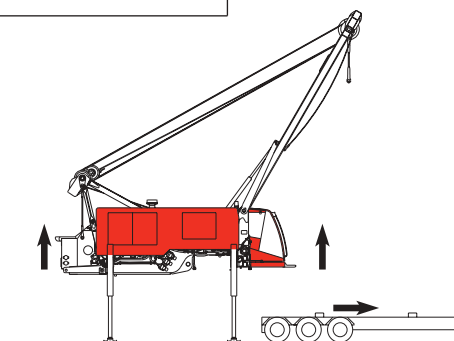
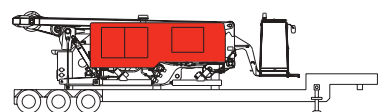
* Drop deck trailer recommended.

** Step deck trailer recommended.

Load weights do not include blocking, miscellaneous items.

assembly

12



performance data

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Wire Rope Lengths

Boom No. 83

- or -

Fixed Jib No. 134A on

Boom No. 83

Boom or Boom and Fixed Jib Length	Whip Line				Hoist line			
	Rear Drum (1 Part of Line)		Rear Drum (2 Parts of Line)		Front Drum 38 mm Wire Rope		Maximum Required Parts of Line	
	m (ft)	m (ft)	m (ft)	m (ft)	m (ft)	m (ft)	m (ft)	m (ft)
15,2 (50)	49	(160)	64	(210)	99	(325)	4	122 (400) 5
18,3 (60)	55	(180)	73	(240)	114	(375)	4	137 (450) 5
21,3 (70)	61	(200)	82	(270)	130	(425)	4	152 (500) 5
24,4 (80)	67	(220)	91	(300)	145	(475)	4	175 (575) 5
27,4 (90)	73	(240)	101	(330)	145	(475)	3	191 (625) 5
30,5 (100)	79	(260)	110	(360)	145	(475)	3	191 (625) 4
33,5 (110)	85	(280)	119	(390)	160	(525)	3	191 (625) 4
36,6 (120)	91	(300)	128	(420)	168	(550)	3	206 (675) 4
39,6 (130)	98	(320)	137	(450)	168	(550)	2	206 (675) 3
42,7 (140)	104	(340)	146	(480)	168	(550)	2	206 (675) 3
45,7 (150)	110	(360)	155	(510)	168	(550)	2	206 (675) 3
48,8 (160)	116	(380)	165	(540)	168	(550)	2	213 (700) 3
51,8 (170)	122	(400)	174	(570)	175	(575)	2	229 (750) 3
54,9 (180)	128	(420)	183	(600)	183	(600)	2	229 (750) 2
57,9 (190)	134	(440)	192	(630)	198	(650)	2	229 (750) 2
61,0 (200)	140	(460)	201	(660)	-	-	-	-
64,0 (210)	146	(480)	-	-	-	-	-	-
67,1 (220)	152	(500)	-	-	-	-	-	-

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.

Auxiliary drum provides 147 kN (33,000 lb) maximum single line pull.

Wire Rope Lengths

Clamshell / Grapple

Boom No. 83

Boom Length	Front Drum Closing Line		Rear Drum Holding Line	
	m (ft)	m (ft)	m (ft)	m (ft)
15,2 (50)	64	(210)	44	(145)
18,3 (60)	70	(230)	50	(165)
21,3 (70)	76	(250)	56	(185)
24,4 (80)	82	(270)	62	(205)
27,4 (90)	88	(290)	69	(225)
30,5 (100)	94	(310)	75	(245)
33,5 (110)	101	(330)	81	(265)
36,6 (120)	107	(350)	87	(285)

NOTE: Lengths are based on a 65 degree boom angle, 6 m (20') digging depth, and 20 m (67') for reeving bucket.

Rewrap on front drum (closing line) will occur if hoisting distance exceeds approximately 23 m (75') from ground level with boom at 65 degree angle and digging depth of 6 m (20'). The occurrence of rewrap may vary depending on boom angle, digging depth, bucket size or length of wire rope.

performance data

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Wire Rope Specifications 5:1 Safety Factor

Boom No. 83

- or -

Fixed Jib No. 134A on Boom No. 83

Function	5:1 Safety Factor Rotation Resistant, Right Hand Lang Lay Wire Rope with Pad Eye		
	Hoist/Whip Line	Hoist/Whip Line (Optional)	Auxiliary Line
Part Number	No. A00839	No. A00218	No. A00840
Size Wire Rope	38 mm	32 mm	28 mm
Minimum Breaking Strength	1 471,4 kN (330,800 lb)	980,3 kN (220,400 lb)	750,8 kN (168,800 lb)
Maximum Load Per Line	29 940 kg (66,000 lb)	19 960 kg (44,000 lb)	13 608 kg (30,000 lb)
Approximate Weight	7,32 kg/m (4.92 lb/ft)	5,01 kg/m (3.37 lb/ft)	3,91 kg/m (2.63 lb/ft)

Drum Capacities - Wire Rope

	Maximum Length
Front or Rear Drum 38 mm Wire Rope*	200 m (657 ft) 4 Layers
Front or Rear Drum 32 mm Wire Rope*	221 m (725 ft) 4 Layers
Auxiliary Drum 28 mm Wire Rope**	293 m (962 ft) 6 Layers

*9 m (28') is deducted from maximum spooling capacities for 3 dead wraps on front or rear drum.

**5 m (18') is deducted from maximum spooling capacities for 3 dead wraps on auxiliary drum.

Wire Rope Specifications 3.5:1 Safety Factor

Boom No. 83

- or -

Fixed Jib No. 134A on Boom No. 83

Function	3.5:1 Safety Factor 6 x 36 Extra Extra Improved Plow Steel, Right Hand Regular Lay, IWRC Wire Rope with Pad Eye	
	Auxiliary Line	
Part Number	No. A02479	
Size Wire Rope	28 mm	
Minimum Breaking Strength	603,1 kN (135,600 lb)	
Maximum Load Per Line	13 608 kg (30,000 lb)	
Approximate Weight	3,33 kg/m (2.24 lb/ft)	

Wire Rope Specifications 5:1 Safety Factor

Clamshell / Grapple

Boom No. 83

Function	5:1 Safety Factor Rotation Resistant, Right Hand Lang Lay Wire Rope with Pad Eye	
	Closing / Holding	
Part Number	No. A00218	
Size Wire Rope	32 mm	
Minimum Breaking Strength	980,3 kN (220,400 lb)	
Maximum Load Per Line	19 960 kg (44,000 lb)	
Approximate Weight	5,01 kg/m (3.37 lb/ft)	

Maximum Length - Unassisted Raising

	No. 83 Boom with Heavy-Duty Top - or - No. 134A Fixed Jib on No. 83 Boom with Heavy-Duty Top	
	Main Boom	Fixed Jib
Over front of blocked crawlers m (ft)	61,0 (200)	-
	57,9 (190)	-
	54,9 (180)	-
	51,8 (170)	9,1 (30)
	48,8 (160)	15,2 (50)
	45,7 (150)	21,3 (70)

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

Working Weight

Configuration	kg (lb)
15,2 m (50') No. 83 Boom	122 942 (271,040)
42,7 m (140') No. 83 Boom* combined with 21,3 m (70') No. 134A Fixed Jib	129 365 (286,365)

Typical working weight includes optional self-assembly carbody jacks, hydraulic reservoir full, fuel half-full, drums with standard lengths of wire rope, upper boom point, and 30,0 mt (33 t) hook and weight ball.

Note: Upper boom point not used with fixed jib.

performance data

Drums & Laggings - Liftcrane

		Tandem Drums - 1 854 mm (73") Wide (Optional)									
	Application	Drum Location	Drum Part Number	Drum Type	Drum Diameter	Drum Width	Grooved Lugging Part Number	Lugging Diameter	Nominal Wire Rope Size	Drum or Lugging Groove Pitch *	Minimum Wire Rope Size**
Basic Liftcrane	Hoist	Front	A00207	Bare	787 mm (31")	678 mm (26-11/16")	A00164	857 mm (33-3/4")	38 mm	39,88 mm (1.570")	38,76 mm (1.526")
			A00207	Bare	787 mm (31")	678 mm (26-11/16")	A00185 with A05160 Spacer	857 mm (33-3/4")	32 mm	33,45 mm (1.317")	32,64 mm (1.285")
	Whip	Rear	A00207	Bare	787 mm (31")	678 mm (26-11/16")	A00164	857 mm (33-3/4")	38 mm	39,88 mm (1.570")	38,76 mm (1.526")
			A00207	Bare	787 mm (31")	678 mm (26-11/16")	A00185 with A05160 Spacer	857 mm (33-3/4")	32 mm	33,45 mm (1.317")	32,64 mm (1.285")
	Auxiliary	Boom Butt	A00485	Grooved	540 mm (21-1/4")	676 mm (26-5/8")	-	-	28 mm	29,39 mm (1.157")	28,55 mm (1.124")
					540 mm (21-1/4")	353 mm (13-57/64")	-	-	28 mm	29,39 mm (1.157")	28,55 mm (1.124")
		25' Insert	A00466	Grooved	540 mm (21-1/4")	353 mm (13-57/64")	-	-	28 mm	29,39 mm (1.157")	28,55 mm (1.124")
	Closing	Front	A00207	Bare	787 mm (31")	678 mm (26-11/16")	A00185 with A05160 Spacer	857 mm (33-3/4")	32 mm	29,39 mm (1.157")	28,55 mm (1.124")
Holding		Rear	A00207	Bare	787 mm (31")	678 mm (26-11/16")	A00185 with A05160 Spacer	857 mm (33-3/4")	32 mm	33,45 mm (1.317")	32,64 mm (1.285")
Claimshell Limited Duty											

* Maximum wire rope diameter and width a wound on drum must not exceed drum groove pitch.

** Minimum recommended wire rope size for proper spooling.

Drums 20 metric ton (44,000 lb) - Competitive Comparison

Layer		1		2		3		4	
Manufacturer Model	Drum Diameter Rope Size	Line Pull kN (lb)	Line Speed m/min (ft/min)	Line Pull kN (lb)	Line Speed m/min (ft/min)	Line Pull kN (lb)	Line Speed m/min (ft/min)	Line Pull kN (lb)	Line Speed m/min (ft/min)
Manitowoc 1015	857 mm (33.75") 32,0 mm (1.25")	196,0 (44,000)	154 (505)	196,0 (44,000)	165 (540)	196,0 (44,000)	175 (575)	196,0 (44,000)	188 (615)
Liebherr 883	630 mm (24.8") 30,0 mm (1.18")	200,0 (44,960)	72 (236)	183,3 (41,213)	78 (256)	169,2 (38,043)	85 (279)	- (-)	- (-)
Link-Belt 308	756 mm (29.76") 29,0 mm (1.13")	165,0 (37,100)	121 (397)	165,0 (37,100)	133 (436)	165,0 (37,100)	145 (476)	165,0 (37,100)	156 (512)

Drums 30 metric ton (66,000 lb) - Competitive Comparison

Layer		1		2		3		4	
Manufacturer Model	Drum Diameter Rope Size	Line Pull kN (lb)	Line Speed m/min (ft/min)	Line Pull kN (lb)	Line Speed m/min (ft/min)	Line Pull kN (lb)	Line Speed m/min (ft/min)	Line Pull kN (lb)	Line Speed m/min (ft/min)
Manitowoc 1015	857 mm (33.75") 38,0 mm (1.50")	294,0 (66,000)	104 (340)	294,0 (66,000)	113 (370)	294,0 (66,000)	122 (400)	294,0 (66,000)	131 (430)
Liebherr 883	630 mm (24.8") 30,0 mm (1.18")	300,0 (67,440)	47 (154)	276,0 (62,200)	51 (167)	256,8 (57,729)	55 (181)	- (-)	- (-)

NOTE: Line speed ratings at no load.

Liebherr model 883 30 ton drum line speeds are without change gear box engaged.

Comparative data is for reference only and is subject to change. Specific manufacturer(s) should be consulted to verify data shown is current and accurate.

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model 1015



performance data

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Main & Whip Drums - 294 kN (66,000 lb)

Full Power Drum - Continuous Duty without Diverting Valve Single Line Pull/Single Line Speed				
Layer	m/min (ft/min)			
	1	2	3	4
Line Pull kg (lb)				
0 (0)	105 (343)	113 (372)	122 (401)	131 (430)
4 536 (10,000)	94 (309)	101 (332)	108 (355)	115 (377)
9 072 (20,000)	71 (234)	72 (236)	73 (238)	73 (240)
13 608 (30,000)	50 (163)	50 (165)	51 (167)	52 (169)
18 144 (40,000)	39 (128)	40 (130)	40 (132)	41 (134)
22 680 (50,000)	33 (107)	33 (109)	34 (111)	34 (112)
29 937 (66,000)	26 (86)	27 (88)	27 (90)	28 (92)

Main & Whip Drums - 294 kN (66,000 lb)

Full Power Drum - Continuous Duty with Diverting Valve Single Line Pull/Single Line Speed				
Layer	m/min (ft/min)			
	1	2	3	4
Line Pull kg (lb)				
0 (0)	105 (343)	113 (372)	122 (401)	131 (430)
4 536 (10,000)	99 (326)	107 (352)	115 (378)	123 (404)
9 072 (20,000)	94 (309)	101 (332)	108 (355)	115 (377)
13 608 (30,000)	89 (292)	94 (308)	95 (313)	97 (319)
18 144 (40,000)	74 (243)	76 (249)	77 (254)	79 (260)
22 680 (50,000)	63 (208)	65 (213)	67 (219)	69 (225)
29 937 (66,000)	53 (173)	55 (179)	56 (185)	58 (190)

Main & Whip Drums - 196 kN (44,000 lb)

Full Power Drum - Continuous Duty without Diverting Valve Single Line Pull/Single Line Speed				
Layer	m/min (ft/min)			
	1	2	3	4
Line Pull kg (lb)				
0 (0)	154 (505)	165 (542)	176 (578)	187 (615)
4 536 (10,000)	132 (433)	140 (458)	142 (466)	144 (473)
9 072 (20,000)	75 (245)	75 (247)	76 (249)	77 (252)
13 608 (30,000)	53 (174)	54 (176)	55 (179)	55 (181)
18 144 (40,000)	42 (139)	43 (141)	44 (143)	45 (146)
22 680 (44,000)	39 (129)	40 (131)	41 (134)	42 (136)

Main & Whip Drums - 196 kN (44,000 lb)

Full Power Drum - Continuous Duty with Diverting Valve Single Line Pull/Single Line Speed				
Layer	m/min (ft/min)			
	1	2	3	4
Line Pull kg (lb)				
0 (0)	154 (505)	165 (542)	176 (578)	187 (615)
4 536 (10,000)	143 (469)	152 (500)	162 (531)	171 (561)
9 072 (20,000)	132 (433)	140 (458)	142 (466)	144 (473)
13 608 (30,000)	102 (334)	104 (341)	106 (348)	108 (355)
18 144 (40,000)	84 (274)	86 (282)	88 (289)	90 (296)
22 680 (44,000)	79 (258)	81 (265)	83 (272)	85 (279)

Auxiliary Drum - 147 kN (33,000 lb)

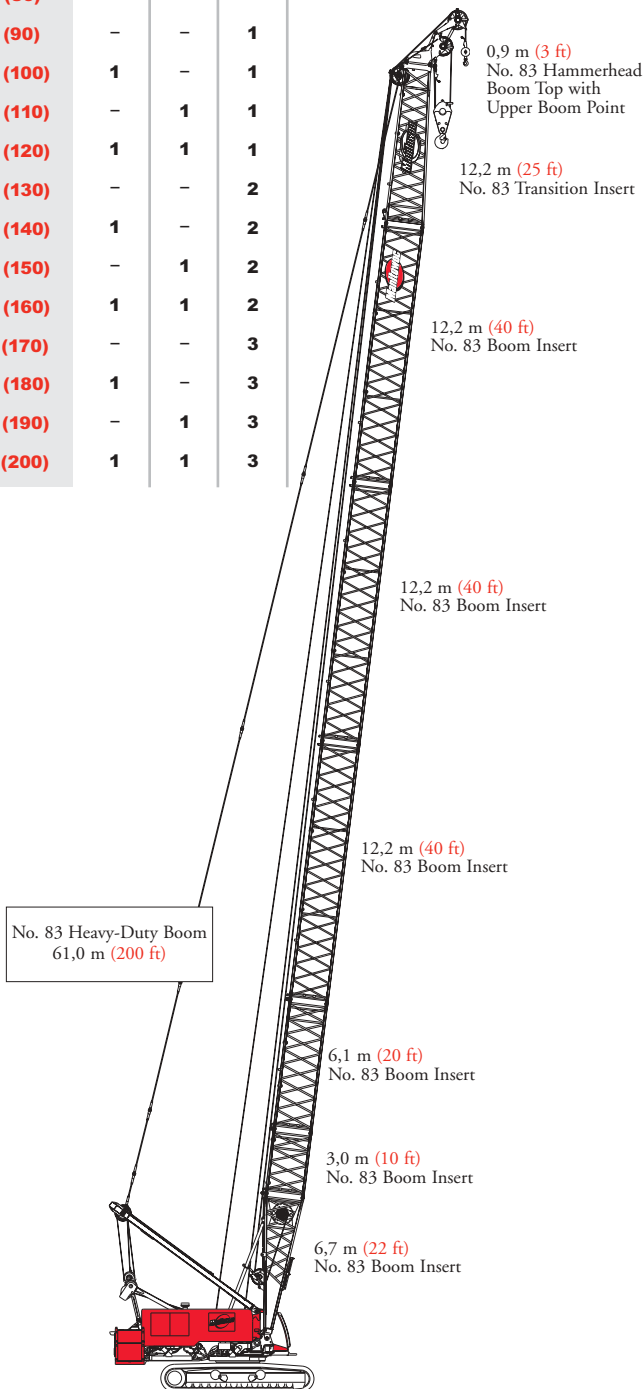
Full Power Drum - Continuous Duty Single Line Pull/Single Line Speed						
Layer	m/min (ft/min)					
	1	2	3	4	5	6
Line Pull kg (lb)						
0 (0)	87 (286)	96 (314)	104 (342)	113 (370)	121 (398)	130 (426)
2 268 (5,000)	84 (274)	91 (300)	99 (326)	107 (351)	115 (376)	122 (401)
4 536 (10,000)	81 (263)	87 (286)	94 (309)	102 (332)	108 (354)	115 (376)
6 803 (15,000)	77 (251)	83 (273)	89 (293)	95 (313)	97 (318)	99 (323)
9 072 (20,000)	72 (236)	74 (241)	75 (247)	77 (252)	79 (258)	80 (263)
11 340 (25,000)	61 (200)	63 (205)	64 (211)	66 (216)	68 (222)	69 (227)
13 380 (33,000)	51 (165)	52 (170)	54 (176)	55 (181)	57 (186)	59 (192)

NOTE: Line pull is infinitely variable.

boom combinations

No. 83 Boom Combinations

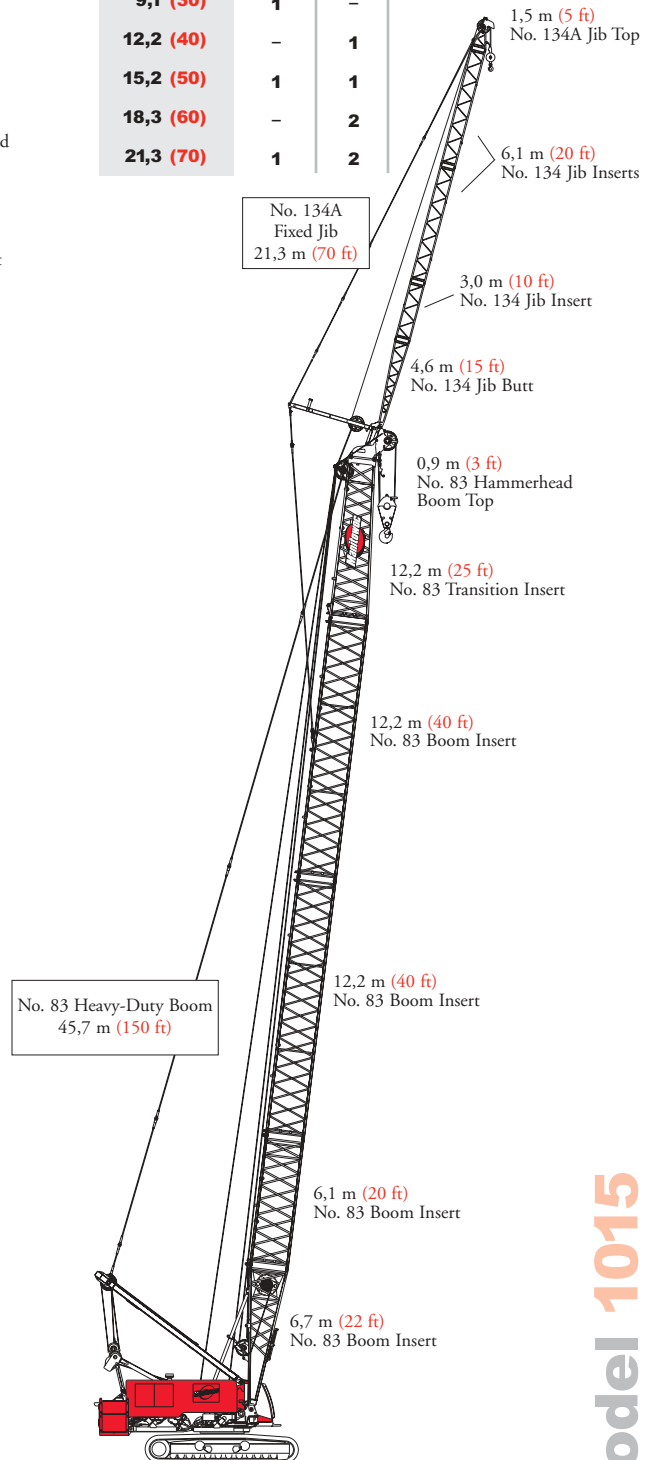
Boom Length m (ft)	Boom Inserts		
	3,0 m (10 ft)	6,1 m (20 ft)	12,2 m (40 ft)
15,2 (50)	-	-	-
18,3 (60)	1	-	-
21,3 (70)	-	1	-
24,4 (80)	1	1	-
27,4 (90)	-	-	1
30,5 (100)	1	-	1
33,5 (110)	-	1	1
36,6 (120)	1	1	1
39,6 (130)	-	-	2
42,7 (140)	1	-	2
45,7 (150)	-	1	2
48,8 (160)	1	1	2
51,8 (170)	-	-	3
54,9 (180)	1	-	3
57,9 (190)	-	1	3
61,0 (200)	1	1	3



Model 1015
No. 83 Heavy-Duty Main Boom
61,0 m (200 ft)

No. 134A Fixed Jib Combinations

Jib Length m (ft)	Fixed Jib Inserts	
	3,0 m (10 ft)	6,1 m (20 ft)
6,1 (20)	-	-
9,1 (30)	1	-
12,2 (40)	-	1
15,2 (50)	1	1
18,3 (60)	-	2
21,3 (70)	1	2



Model 1015
No. 134A Fixed Jib on
No. 83 Heavy-Duty Main Boom
67,1 m (220 ft)

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capacity charts

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Duty Cycle Capacities

Boom No. 83 with Hammerhead Top

24 040 kg (53,000 lb) Counterweight 7 163 mm (23' 6") Crawlers Extended

360° Rating kg (lb) x 1 000 Limited Duty

Boom m (ft)	15,2 (50)	21,3 (70)	27,4 (90)	33,5 (110)	39,6 (130)	45,7 (150)	51,8 (170)
Radius							
7,6 (25)			29,8 (65.9)	20,0 (44.1)	18,9 (41.7)		
9,1 (30)	29,9 (66.0)	29,9 (66.0)	– (64.1)	– (42.4)	– (39.9)	13,1 (29.1)	12,3 (27.2)
10,0 (35)	29,7 (65.4)	29,8 (65.6)	28,6 (62.3)	18,8 (40.8)	17,6 (38.2)	12,9 (28.2)	12,0 (26.2)
12,0 (40)	25,4 (54.1)	25,5 (54.3)	24,9 (53.6)	17,9 (39.3)	16,6 (36.6)	12,3 (27.2)	11,4 (25.2)
14,0 (50)	20,1 (39.1)	20,2 (39.5)	19,9 (38.9)	17,0 (36.4)	15,7 (33.5)	11,8 (25.4)	10,8 (23.2)
18,0 (60)		14,0 (30.2)	13,7 (29.7)	13,8 (29.7)	13,5 (29.1)	10,8 (23.7)	9,7 (21.4)
20,0 (70)		11,9 (23.7)	11,7 (23.3)	11,7 (23.3)	11,4 (22.7)	10,3 (22.2)	9,2 (19.6)
24,0 (80)			8,7 (18.7)	8,7 (18.7)	8,4 (18.1)	8,3 (17.8)	7,9 (17.1)
26,0 (90)			7,5 (15.0)	7,5 (15.2)	7,3 (14.6)	7,2 (14.3)	6,8 (13.6)
30,0 (100)				5,8 (12.4)	5,5 (11.8)	5,3 (11.5)	5,1 (10.9)
32,0 (110)				5,0 (10.0)	4,8 (9.6)	4,7 (9.3)	4,4 (8.6)
36,0 (120)					3,6 (7.7)	3,5 (7.4)	3,2 (6.8)
38,0 (130)					3,1 (6.0)	3,0 (5.9)	2,7 (5.2)
42,0 (140)						2,1 (4.5)	

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.

capacity charts

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Clamshell/Grapple Capacities Boom No. 83 with Hammerhead Top

24 040 kg (53,000 lb) Counterweight 7 163 mm (23' 6") Crawlers Extended

360° Rating kg (lb) x 1 000

Boom m (ft)	15,2 (50)	18,3 (60)	21,3 (70)	24,4 (80)	27,4 (90)	30,5 (100)	33,5 (110)	36,6 (120)
Radius								
9,1 (30)	18,1 (40.0)	18,1 (40.0)						
10,0 (35)	18,1 (40.0)	18,1 (40.0)	– (40.0)					
12,0 (40)	18,1 (40.0)	18,1 (40.0)	18,1 (40.0)	– (40.0)				
14,0 (50)	18,0 (39.1)	18,0 (39.4)	18,1 (39.5)	18,0 (39.1)	18,0 (38.9)	– (38.6)	– (36.4)	
18,0 (60)		13,8 (29.9)	14,0 (30.2)	13,8 (29.8)	13,7 (29.7)	13,6 (29.4)	13,8 (29.7)	13,6 (29.4)
20,0 (70)			11,9 (23.7)	11,7 (23.4)	11,7 (23.3)	11,6 (23.0)	11,7 (23.3)	11,5 (23.0)
24,0 (80)				8,7 (18.7)	8,7 (18.7)	8,5 (18.4)	8,7 (18.7)	8,5 (18.4)
26,0 (90)					7,5 (15.0)	7,4 (14.8)	7,5 (15.2)	7,4 (14.9)
30,0 (100)						5,5 (11.9)	5,8 (12.4)	5,6 (12.1)
32,0 (110)							5,0 (10.0)	4,9 –

Dragline Capacities Boom No. 83 with Heavy-Duty Top

24 040 kg (53,000 lb) Counterweight

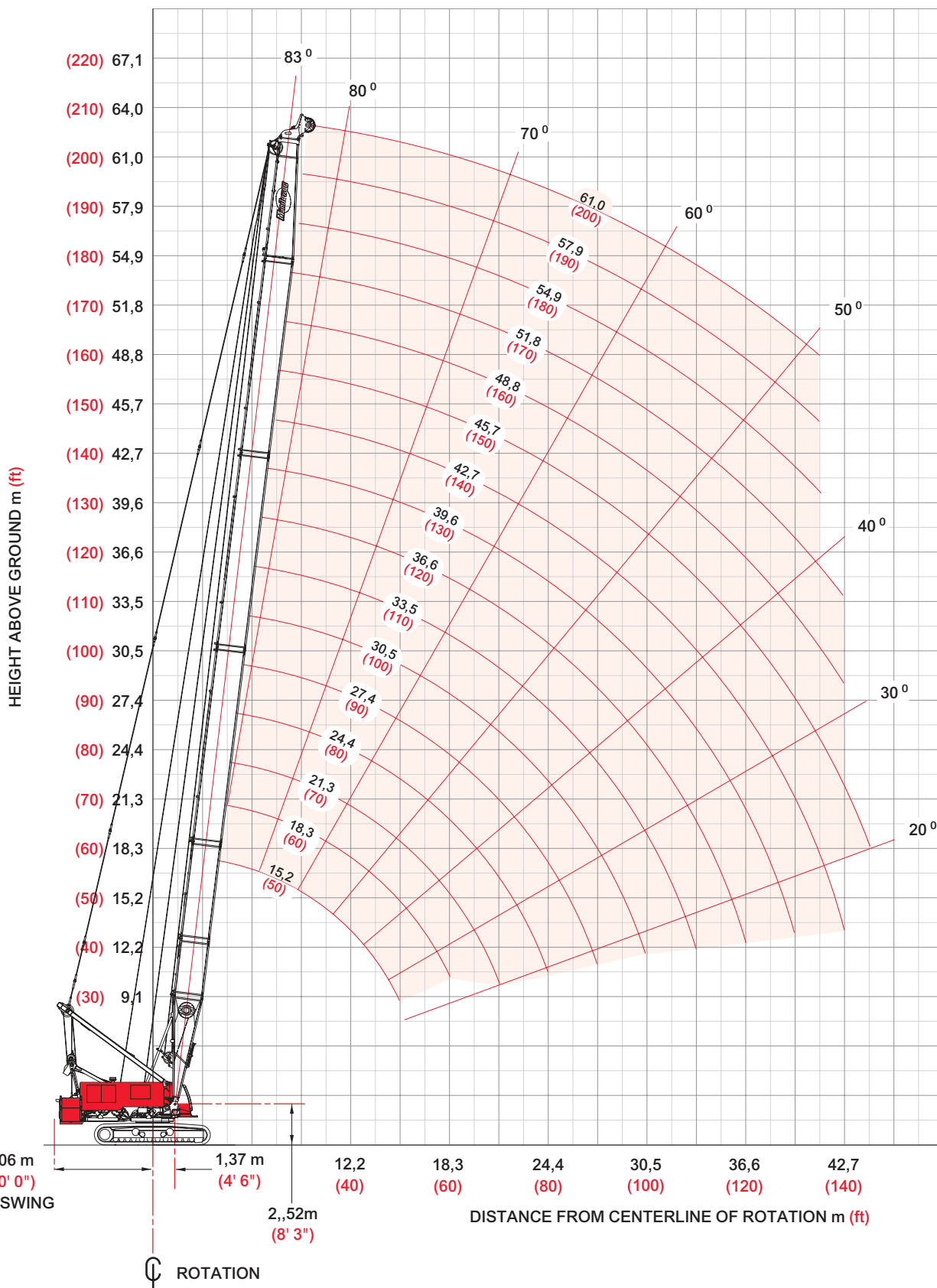
360° Rating kg (lb) x 1 000

Boom m (ft)	21,3 (70)	24,4 (80)	27,4 (90)	30,5 (100)
Radius				
16,8 (55)	11,3 (25.0)			
18,3 (60)	11,3 (25.0)	11,3 (25.0)		
21,3 (70)	10,9 (24.0)	10,8 (23.9)	10,9 (24.0)	
24,4 (80)		8,4 (18.6)	8,5 (18.8)	8,4 (18.6)
27,4 (90)			6,7 (14.8)	6,7 (14.7)
29,0 (95)				5,9 (13.0)

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.

heavy-lift boom range diagram

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heavy-lift load charts

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Liftcrane Boom Capacities

Boom No. 83 with Hammerhead Top

24 040 kg (53,000 lb) Counterweight 7 163 mm (23' 6") Crawlers Extended

360° Rating kg (lb) x 1 000

Boom m (ft)	15,2 (50)	18,3 (60)	24,4 (80)	27,4 (90)	33,5 (110)	36,6 (120)	39,6 (130)	45,7 (150)	48,8 (160)	51,8 (170)	57,9 (190)	61,0 (200)
Radius												
4,3 (14)	120,0 (264.4)											
4,5 (15)	115,8 (252.7)	106,7 (234.9)										
5,0 (17)	106,5 (218.2)	104,9 (218.8)	— (218.0)									
5,5 (18)	89,2 (197.7)	89,5 (198.2)	89,2 (197.5)	89,5 (197.4)								
6,0 (20)	77,2 (166.1)	77,4 (166.5)	77,1 (165.8)	77,1 (165.7)								
7,0 (24)	60,0 (125.0)	60,7 (125.3)	60,4 (124.6)	60,3 (124.5)	60,7 (124.6)	60,0 (124.5)	— (124.2)					
8,0 (26)	49,5 (110.9)	49,7 (111.2)	49,4 (110.5)	49,3 (110.4)	49,3 (110.4)	49,3 (110.3)	49,1 (110.0)	49,1 (109.8)				
9,0 (30)	41,7 (90.0)	41,8 (90.2)	41,5 (89.6)	41,3 (89.4)	41,4 (89.4)	41,4 (89.2)	41,2 (88.9)	41,1 (88.7)	41,1 (88.5)	40,9 (88.1)		
10,0 (34)	35,8 (75.2)	35,9 (75.4)	35,7 (74.8)	35,6 (74.6)	35,6 (74.6)	35,5 (74.4)	35,3 (74.1)	35,2 (73.8)	35,1 (73.5)	35,0 (73.2)	29,9 (66.0)	— (66.0)
11,0 (36)	31,3 (69.3)	31,4 (69.5)	31,1 (69.0)	31,0 (68.8)	31,0 (68.8)	30,9 (68.5)	30,8 (68.2)	30,6 (67.9)	30,5 (67.7)	30,4 (67.3)	29,8 (66.0)	29,8 (66.0)
12,0 (40)	27,6 (59.6)	27,7 (59.8)	27,5 (59.3)	27,4 (59.2)	27,4 (59.2)	27,3 (58.8)	27,1 (58.5)	27,0 (58.2)	26,8 (57.9)	26,7 (57.6)	26,5 (57.1)	26,4 (56.8)
14,0 (45)	22,1 (50.3)	22,2 (50.6)	22,0 (50.1)	22,0 (50.0)	21,9 (49.9)	21,8 (49.6)	21,6 (49.3)	21,5 (49.0)	21,3 (48.6)	21,2 (48.3)	21,0 (47.8)	20,8 (47.5)
16,0 (50)	— (43.0)	18,3 (43.4)	18,1 (43.1)	18,1 (42.9)	18,0 (42.8)	17,9 (42.5)	17,7 (42.2)	17,6 (41.8)	17,4 (41.5)	17,3 (41.2)	17,0 (40.7)	16,9 (40.4)
18,0 (60)		15,3 (32.9)	15,2 (32.8)	15,1 (32.7)	15,1 (32.7)	15,0 (32.3)	14,8 (32.0)	14,6 (31.6)	14,5 (31.9)	14,3 (30.9)	14,1 (30.4)	14,0 (30.1)
20,0 (70)			12,9 (25.8)	12,9 (25.7)	12,9 (25.7)	12,7 (25.3)	12,5 (25.0)	12,4 (24.7)	12,2 (24.3)	12,0 (23.9)	11,8 (23.4)	11,7 (23.0)
24,0 (80)			9,5 (20.5)	9,5 (20.5)	9,6 (20.6)	9,4 (20.2)	9,2 (19.9)	9,1 (19.6)	8,9 (19.2)	8,7 (18.8)	8,5 (18.3)	8,3 (17.9)
26,0 (90)				8,2 (16.5)	8,3 (16.7)	8,2 (16.3)	8,0 (16.0)	7,8 (15.7)	7,7 (15.3)	7,5 (14.9)	7,2 (14.4)	7,1 (14.0)
30,0 (100)					6,3 (13.6)	6,1 (13.2)	6,0 (13.0)	5,9 (12.6)	5,7 (12.2)	5,5 (11.9)	5,3 (11.4)	5,1 (11.0)
36,0 (110)					— (11.0)	4,9 (10.7)	3,9 (10.5)	3,8 (10.2)	3,6 (9.8)	3,4 (9.4)	3,2 (8.9)	3,0 (8.5)
38,0 (120)						4,0 (8.6)	3,3 (8.4)	3,2 (8.1)	3,1 (7.7)	2,9 (7.3)	2,7 (6.9)	2,5 (6.5)
40,0 (130)							— (6.5)	2,8 (6.4)	2,6 (6.0)	2,4 (5.6)	2,2 (5.2)	2,0 (4.7)
42,0 (140)								2,3 (4.9)	2,1 (4.5)	2,0 (4.1)		
44,0 (145)								1,9 (4.2)				

Fixed Jib No. 134A on Boom No. 83

Jib Length m (ft)	Deduct from Capacity when fixed jib is attached kg (lb)
6,1 (20)	1 950 (4,300)
9,1 (30)	2 310 (5,100)
12,2 (40)	2 770 (6,100)
15,2 (50)	3 220 (7,100)
18,3 (60)	3 540 (7,800)
21,3 (70)	4 040 (8,900)

Deduct 500 kg (1,100 lb) from capacities when upper boom point is attached.

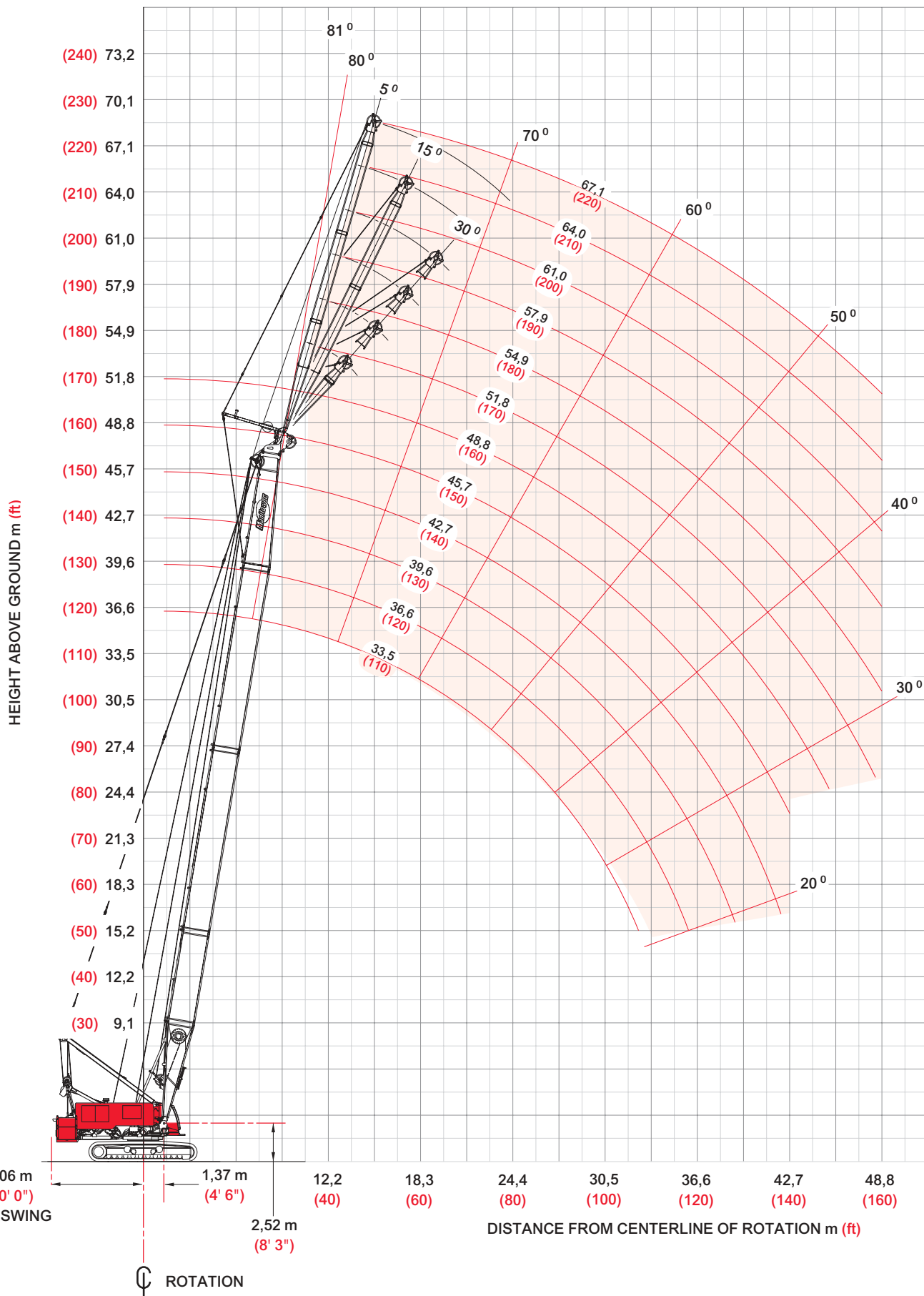
Meets ANSI B30.5 Requirements - Capacities do not exceed 75% of static tipping load.
NOTICE: This capacity chart is for reference only and must not be used for lifting purposes.

model 1015



fixed jib range diagram

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fixed jib load charts

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Liftcrane Boom Capacities

Fixed Jib No. 134A with 3 810 mm (12' 6") Strut on Boom No. 83

24 040 kg (53,000 lb) Counterweight

360° Rating

kg (lb) x 1 000

5° Offset						30° Offset					
Boom m (ft)	27,4 (90)	33,5 (110)	39,6 (130)	45,7 (150)	48,8 (160)	Boom m (ft)	27,4 (90)	33,5 (110)	39,6 (130)	45,7 (150)	48,8 (160)
Radius						Radius					
9,1 (30)	29,9 (66.0)	29,9 (66.0)				10,0 (35)	- (51.9)				
10,0 (35)	29,9 (66.0)	29,9 (66.0)	- (66.0)			12,0 (40)	22,3 (49.0)	- (51.0)	- (52.7)		
12,0 (40)	27,3 (59.5)	27,2 (59.2)	26,9 (58.5)	- (58.0)	- (57.4)	14,0 (50)	20,8 (44.3)	21,7 (44.3)	22,4 (43.8)	22,4 (43.4)	22,3 (42.9)
14,0 (50)	22,0 (43.1)	21,9 (42.7)	21,5 (42.0)	21,4 (41.5)	21,2 (40.7)	18,0 (60)	15,7 (34.0)	15,6 (33.7)	15,3 (33.1)	15,2 (32.7)	15,0 (32.0)
18,0 (60)	15,2 (32.8)	15,0 (32.4)	14,7 (31.6)	14,4 (31.1)	14,2 (30.3)	20,0 (70)	13,4 (26.6)	13,2 (26.4)	12,9 (25.7)	12,8 (25.3)	12,6 (24.6)
24,0 (80)	9,6 (20.6)	9,4 (20.3)	9,0 (19.4)	8,8 (18.9)	8,6 (18.1)	24,0 (80)	9,9 (21.3)	9,8 (21.1)	9,5 (20.4)	9,2 (19.9)	9,1 (19.2)
28,0 (100)	7,2 (13.6)	7,1 (13.3)	6,7 (12.4)	6,5 (11.9)	6,3 (11.1)	28,0 (100)		7,4 (13.7)	7,0 (13.0)	6,9 (12.6)	6,7 (11.9)
36,0 (120)		4,1 (8.7)	3,7 (7.9)	3,5 (7.4)	3,2 (6.5)	36,0 (120)			3,9 (8.2)	3,7 (7.9)	3,5 (7.1)
40,0 (140)			2,6 (4.6)	2,4 (4.1)	2,2 (-)	40,0 (140)					2,4 (-)
44,0 (150)						44,0 (150)					
48,0 (160)						48,0 (160)					

5° Offset						30° Offset					
Boom m (ft)	27,4 (90)	30,5 (110)	39,6 (130)	45,7 (150)	48,8 (160)	Boom m (ft)	27,4 (90)	33,5 (110)	39,6 (130)	45,7 (150)	48,8 (160)
Radius						Radius					
9,1 (30)						10,0 (35)					
10,0 (35)	- (42.4)					12,0 (40)					
12,0 (40)	18,6 (41.0)	- (42.0)				15,0 (50)	- (27.7)				
14,0 (50)	17,9 (38.5)	18,4 (39.7)	18,8 (40.7)	19,1 (41.5)	19,2 (41.8)	18,0 (60)	11,6 (25.4)	12,0 (26.3)	12,3 (27.1)	- (27.8)	- (28.1)
18,0 (60)	15,8 (34.3)	15,9 (33.9)	15,4 (33.1)	15,2 (32.6)	15,0 (32.2)	20,0 (70)	11,0 (23.4)	11,4 (24.5)	11,8 (25.4)	12,2 (26.2)	12,3 (26.5)
24,0 (80)	10,2 (22.0)	10,0 (21.5)	9,6 (20.7)	9,3 (20.1)	9,1 (19.7)	24,0 (80)	10,0 (21.9)	10,5 (23.0)	10,4 (22.4)	10,3 (22.1)	10,2 (21.8)
28,0 (100)	7,8 (14.9)	7,6 (14.4)	7,2 (13.5)	7,0 (12.9)	6,8 (12.5)	28,0 (100)	8,3 (15.7)	8,2 (15.4)	7,9 (14.8)	7,7 (14.3)	7,5 (14.0)
36,0 (120)	4,7 (10.1)	4,5 (9.7)	4,2 (8.9)	3,9 (8.3)	3,7 (7.9)	36,0 (120)		4,9 (10.4)	4,5 (9.7)	4,4 (9.3)	4,2 (9.0)
40,0 (140)		3,4 (6.4)	3,1 (5.6)	2,8 (5.0)	2,6 (4.6)	40,0 (140)				2,3 (5.7)	2,1 (5.4)
44,0 (150)		2,6 (-)	2,2 (4.2)	1,9 (-)		44,0 (150)					
48,0 (160)						48,0 (160)					

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.

model 1015



fixed jib load charts

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Liftcrane Boom Capacities

Fixed Jib No. 134A with 3 810 mm (12' 6") Strut on Boom No. 83

24 040 kg (53,000 lb) Counterweight

360° Rating

kg (lb) x 1 000

5° Offset

30° Offset

Boom m (ft)	27,4 (90)	33,5 (110)	39,6 (130)	45,7 (150)	48,8 (160)	Boom m (ft)	27,4 (90)	33,5 (110)	39,6 (130)	45,7 (150)	48,8 (160)
	Radius 9,1 (30)						Radius 10,0 (35)				
Jib 15,2 m (50 ft)	10,0 (35)					Jib 15,2 m (50 ft)	12,0 (40)				
	12,0 (40)	— (35.0)	— (35.8)				15,0 (50)				
	14,0 (50)	15,2 (32.9)	15,7 (33.8)	15,9 (34.6)	— (35.2)		18,0 (60)	10,3 (22.7)	— (23.5)		
	18,0 (60)	14,1 (31.0)	14,5 (32.0)	14,9 (32.9)	15,1 (33.0)		20,0 (70)	9,7 (20.9)	10,1 (21.7)	10,4 (22.4)	10,7 (23.0)
	24,0 (80)	10,4 (22.4)	10,0 (21.9)	9,7 (21.0)	9,5 (20.4)		24,0 (80)	8,8 (19.3)	9,2 (20.2)	9,6 (21.0)	9,9 (21.7)
	28,0 (100)	8,0 (15.3)	7,8 (14.7)	7,4 (13.9)	7,1 (13.3)		28,0 (100)	8,0 (16.4)	8,4 (16.1)	8,2 (15.5)	8,0 (15.0)
	36,0 (120)	4,9 (10.6)	4,7 (10.1)	4,3 (9.2)	4,0 (8.6)		36,0 (120)		5,1 (11.0)	4,8 (10.3)	4,6 (9.9)
	40,0 (140)	3,8 (8.2)	3,6 (7.9)	3,2 (7.1)	2,9 (6.4)		40,0 (140)			3,7 (8.2)	3,4 (7.5)
	44,0 (150)	—	2,7 (5.9)	2,3 (5.1)	2,1 (4.7)		44,0 (150)			2,5 (5.5)	2,3 (5.1)
	48,0 (160)				1,9 (4.3)		48,0 (160)				2,3 (5.1)

Boom m (ft)	27,4 (90)	33,5 (110)	39,6 (130)	45,7 (150)	Boom m (ft)	27,4 (90)	33,5 (110)	39,6 (130)	45,7 (150)
	Radius 9,1 (30)					Radius 10,0 (35)			
Jib 21,3 m (70 ft)	10,0 (35)				Jib 21,3 m (70 ft)	12,0 (40)			
	12,0 (40)	— (26.0)				15,0 (50)			
	14,0 (50)	11,3 (24.0)	11,5 (25.0)	— (25.5)		18,0 (60)			
	18,0 (60)	10,4 (22.8)	10,7 (23.6)	11,0 (24.2)		22,0 (70)	— (16.7)	— (17.0)	
	24,0 (80)	9,0 (19.8)	9,5 (20.8)	9,8 (21.5)		24,0 (80)	7,4 (15.7)	7,3 (16.1)	7,5 (16.5)
	28,0 (100)	8,2 (15.8)	8,0 (15.2)	7,6 (14.3)		28,0 (100)	6,5 (13.5)	6,8 (14.3)	7,0 (15.0)
	36,0 (120)	5,2 (11.2)	4,9 (10.6)	4,5 (9.7)		36,0 (120)	5,3 (11.7)	5,6 (12.0)	5,3 (11.4)
	40,0 (140)	4,1 (7.9)	3,9 (7.3)	3,4 (6.4)		40,0 (140)	4,6 (10.2)	4,4 (8.4)	4,1 (7.7)
	44,0 (150)	3,3 (6.6)	3,0 (6.0)	2,6 (5.1)		44,0 (150)		3,4 (6.9)	3,1 (6.2)
	48,0 (160)		2,3 (4.9)	1,9 (4.0)		48,0 (160)			2,3 (4.9)

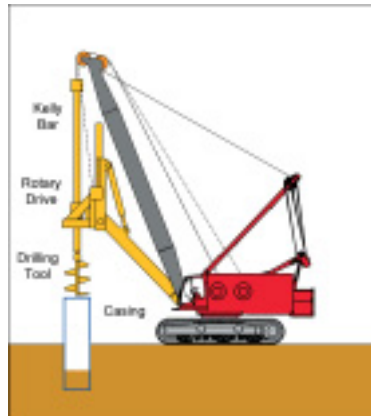
Meets ANSI B30.5 Requirements - Capacities do not exceed 75% of static tipping load.
NOTICE: This capacity chart is for reference only and must not be used for lifting purposes.

attachments

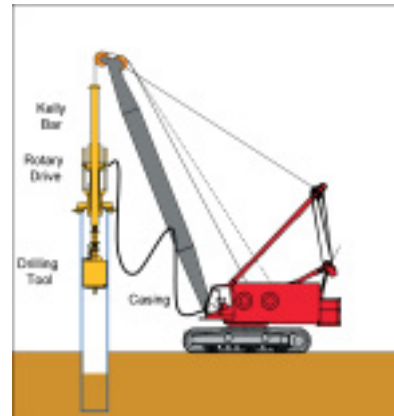
Diaphragm Wall Hydraulic Grab



Drill Rig Hanging from Lattice Boom with Spotter

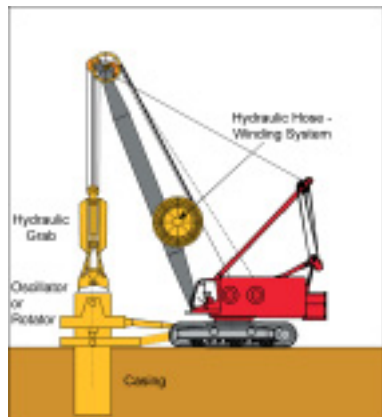


Casing Clamped Fly Drill

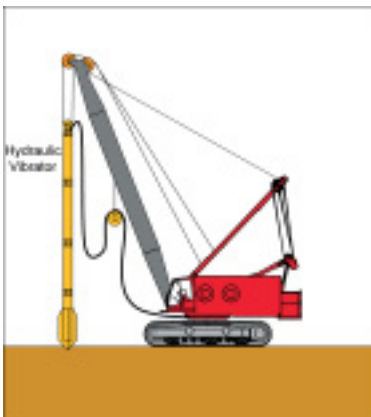


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Casing Oscillator or Rotator with Hydraulic Grab



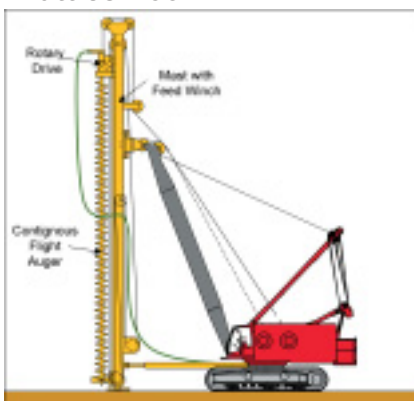
Deep Compaction Vibrator



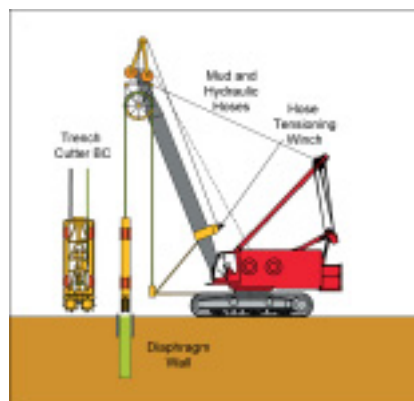
Pile Driving



Drill Rig with Mast Fixed to Lattice Boom



Hydraulic Trench Cutter



Dynamic Compaction



model 1015



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Cummins Model QSX15-C600 Diesel – Part No. A01868 Service Interval Kits

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- Fuel Filter (1x Part No. **A04793**)

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Engine

- Air Cleaner - Element (1x Part No. **A06016**)
- Oil Filter (1x Part No. **A04795**)
- Water Filter (1x Part No. **A04794**)
- Fuel Filter (1x Part No. **A04793**)

Hydraulic

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- Air Cleaner (1x Part No. **A06017**)
- Oil Filter (1x Part No. **A04795**)
- Water Filter (1x Part No. **A04794**)
- Fuel Filter (1x Part No. **A04793**)
- Belt, Alternator (1x Part No. **A04792**)
- Belt, Fan (1x Part No. **A04791**)
- Ether Bottle (1x Part No. **A06019**)
- Sensor, Coolant Level (1x Part No. **A06020**)

Hydraulic

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- Element - Hydraulic Tank Breather (1x Part No. **A06021**)

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- Crane Parts Manual – Part No. 899720
- Crane Capacity Manual – Part No. 899794
- Crane Vendor Manual – Part No. 899722
- Service Technician's Manual (EPIC)
– Part No. 899732
- Capacity Chart Manual - Attachments
– Part No. 899795

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