



Features

- 18 t (20 USt) capacity
- 16,6 m (54.5 ft) four-section, four-plate full power boom
- 9,07 t (10 USt) deck carrying ability
- Exclusive pivoting boom nose

SHUTTLELIFT CD5520

The CD5520 is a 18 t (20 USt) capacity carrydeck crane, offering a four-section 16,6 m (54.5 ft) boom with standard two-wheel drive/ four wheel steer capability. It also has a three-position pivoting boom head for low head room clearance and out and down outriggers that can be setup in several modes depending on jobsite requirements.

Features

> Reach and capacity to get the job done

The 5,64 m – 16,61 m (18.5 ft – 54.5 ft) four-section boom can be enhanced with optional boom extensions. The 4,6 m (15 ft) fixed swingaway extension offers a maximum tip height of 23,1 m (76 ft) while the 4,6 m – 7,6 m (15 ft – 25 ft) telescopic extension provides a maximum tip height of 26,2 m (86 ft). Both extensions can be offset 0, -15°, and -30° via the pivoting boom nose.

> Steering

The CD5520 comes standard with three steering modes: front (two-wheel), four-wheel coordinated, and fourwheel crab steer with electronic self alignment. Operators can choose between modes using a three-position rocker switch located on dash panel.

> Outriggers

The CD5520 outriggers are two-position (0% and 100%) beam/jack style with inverted jack cylinders and pivoting pad.

> Pivoting boom nose

Three-position mechanically offset (0°, 40°, and 80°), lowers boom nose head height by 40,5 cm (1.33 ft) when pivoted fully forward. Negative pivoting of 0°, 15°, and 30° allows boom extension offset capability.

> Operator cab

Modern operator control layout with hydraulic proportional joystick controls, tilt steering wheel, and automotive dash panel gauges and indicator lights.









Jobsite benefits

> Optimized productivity

Hydraulic proportional joystick controls via load sensing piston pump hydraulics provide smooth and efficient operation. Optional RCL system with Work Area Definition System (WADS) and datalogger capability helps to improve operations.

> Outstanding versatility and durability

Split cab door with sliding glass window and tilt steering wheel for added operator comfort. Two-position out and down outriggers help to maximize load charts to meet space requirements. Full LED lighting package offers improved visibility and last longer than traditional light bulbs.

> Piston pump hydraulics

Provides excellent multi-function operation speeds. Large swing open access panel for easy serviceability.









Manitowoc Crane Care when you need it.

The assurance of the world's most advanced crane service and support to get you back to work fast.

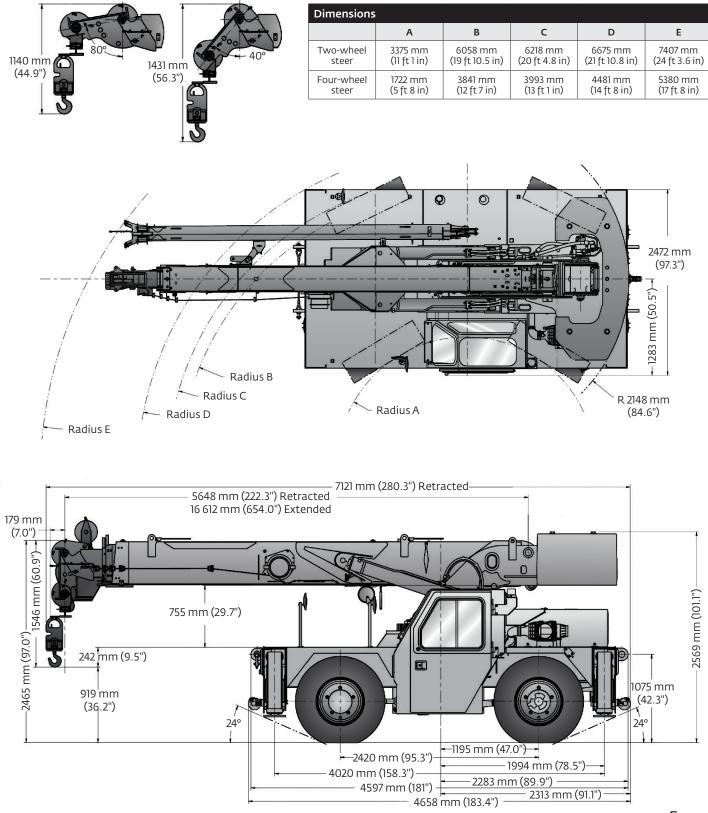


Manitowoc Finance helps you get right to work generating profits for your business. Financial tools that help you capitalize on opportunity with solutions that fit your needs.

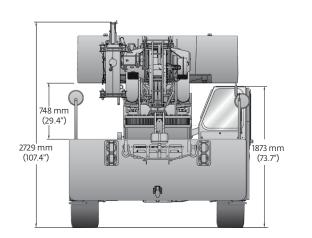
Table of contents

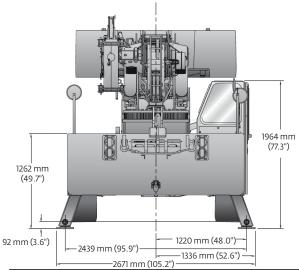
Dimensions	. 5
Dimensions and weights	. 6
Range diagram	. 7
Load chart	. 8
Rigging chart	. 10
Specifications	. 11
Symbols glossary	. 13

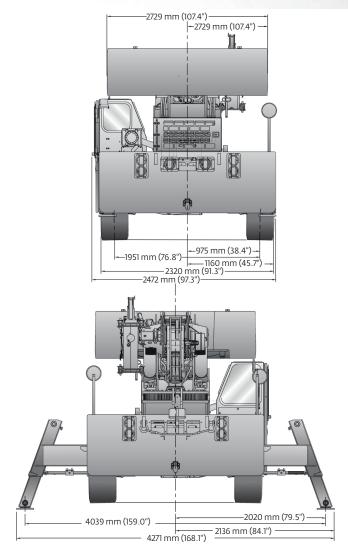
Dimensions



Dimensions and weights

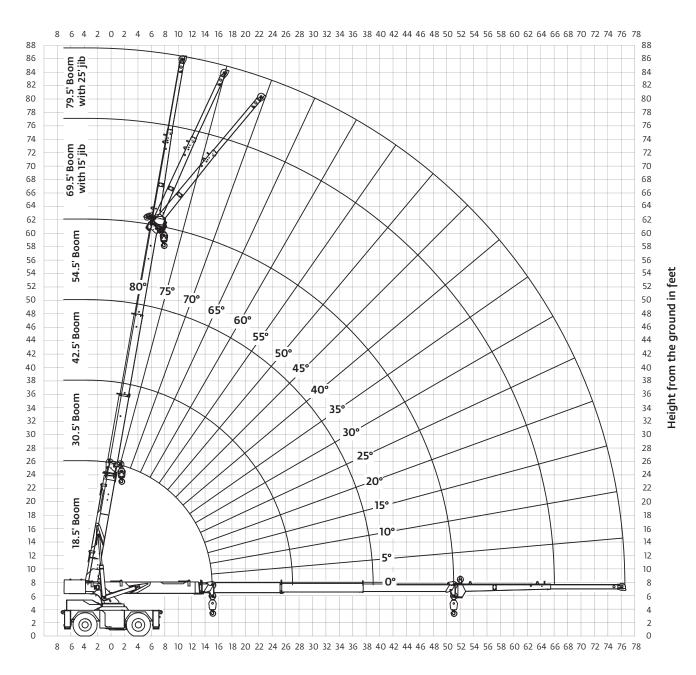






Weights						
	G۱	/W	Front		Rear	
	kg	Ib	kg	lb	kg	lb
Basic machine: Including 16,6 m (54.5 ft) main boom, main hoist with 97,5 m (320 ft) of wire rope, 18 t (20 USt) hook block, full counterweight, Tier IV engine	16 220	35,758	6203	13,675	10 017	22,083
Add: 4,6 m (15 ft) fixed swingaway extension and extension carrier brackets and downhaul weight	199	438	323	713	-125	-275
Crane weight	16 419	36,196	6526	14,387	9893	21,809
Basic machine: Including 16,6 m (54.5 ft) main boom, main hoist with 97,5 m (320 ft) of wire rope, 18 t (20 USt) hook block, full counterweight, Tier IV engine	16 220	35,758	6203	13,675	10 017	22,083
Add: Enclosed cab, heater and glass		187	37,1	82	47,6	105
Crane weight	16 305	35,945	6240	13,757	10 064	22,188
Basic machine: Including 16,6 m (54.5 ft) main boom, main hoist with 97,5 m (320 ft) of wire rope, 18 t (20 USt) hook block, full counterweight, Tier IV engine	16 220	35,758	6203	13,675	10 017	22,083
Add: 4,6 m - 7,6 m (15 ft - 25 ft) telescopic swingaway extension and extension carrier brackets and downhaul weight	344	758	522	1151	-178	-393
Crane weight	16 564	36,516	6725	14,826	9839	21,690

Working range Imperial 85%



Operating radius in feet from axis of rotation

THIS CHART IS ONLY A GUIDE AND SHOULD NOT BE USED TO OPERATE THE CRANE. The individual crane's load chart, operating instructions and other instructional plates must be read and understood prior to operating the crane.

Load chart Imperial 85%

	MAIN BOOM LOAD RATINGS ON OUTRIGGERS								
	Extended and Down 360° or Retracted and Down Front/Rear								
	18.5 ft	BOOM	30.5 ft	BOOM	42.5 ft	BOOM	54.5 ft BOOM		
	Boom	Rated	Boom	Rated	Boom	Rated	Boom	Rated	
Radius	Angle	Load	Angle	Load	Angle	Load	Angle	Load	
(ft)	(deg)	(lb)	(deg)	(lb)	(deg)	(Ib)	(deg)	(Ib)	
6	65	40000	75.5	24000	-	-	-	-	
8	57.5	33850	71.5	24000	77.5	23650	-	-	
10	49.5	30100	67.5	24000	75	21550	79	16800	
12	39.5	26950	63	24000	72	19850	77	15350	
14	25.5	23550	58.5	24000	69	18050	74.5	141 00	
15	0	18 900	56.5	22500	67.5	17250	73.5	13500	
16	-	-	54	21 000	66	16550	72.5	13000	
18	-	-	49	18450	63	15250	70	121 00	
20	-	-	43.5	16300	60	14250	68	11 2 5 0	
22	-	-	37	141 50	56.5	13300	65.5	10550	
24	-	-	29.5	12250	53	12200	63	9940	
26	-	-	19	10700	49.5	10750	60.5	9380	
27	-	-	0	10050	47.5	10150	59.5	9120	
28	-	-	-	-	45.5	9600	58	8880	
30	-	-	-	-	41.5	8620	55.5	8430	
32	-	-	-	-	37	7790	53	8020	
34	-	-	-	-	31.5	7090	50	7300	
36	-	-	-	-	25	6470	47	6680	
38	-	-	-	-	16	5920	44	6130	
39	-	-	-	-	0	5680	42.5	5890	
40	-	-	-	-	-	-	40.5	5650	
42	-	-	-	-	-	-	37	5230	
44	-	-	-	-	-	-	33	4850	
46	-	-	-	-	-	-	28.5	4500	
48	-	-	-	-	-	-	23	4180	
51	-	-	-	-	-	-	0	3760	

	MAIN BOOM LOAD RATINGS ON OUTRIGGERS Retracted and Down 360°								
	18.5 ft	BOOM	30.5 ft	BOOM	42.5 ft	BOOM	54.5 ft BOOM		
Radius (ft)	Boom Angle (deg)	Rated Load (Ib)	Boom Angle (deg)	Rated Load (Ib)	Boom Angle (deg)	Rated Load (Ib)	Boom Angle (deg)	Rated Load (lb)	
6 8 10 12 14 15 16 18 20 22 24 26 27 28 30 32 34 36 38 39 40	65 57.5 49.5 39.5 25.5 0 - - - - - - - - - - - - - - - - - -	40000 33850 24800 17900 13750 12200 - - - - - - - - - - - - - - - - - -	75.5 71.5 63 58.5 56.5 54 49 43.5 37 29.5 19 0 - - - - - - - - - - -	24000 24000 17950 14500 13000 11750 9780 8250 7040 6070 5270 4930 - - - - - - - - - -	- 77.5 75 69 67.5 66 63 60 56.5 53 49.5 47.5 41.5 37 31.5 25 16 0 -	- 23650 21100 16750 13750 13750 1500 9590 8150 7030 6120 5380 5050 4230 3780 3780 3380 3040 2740 2600 -	- 79 77 74.5 73.5 72.5 70 68 63 60.5 58 55.5 58 55.5 53 50 47 44 42.5 40.5	- - - - - - - - - - - - - -	
42 44	-	-	-	-	-	-	37 33	2460 2240	
44		_	_	_	_	_	28.5	2030	
48	-	-	-	-	-	-	23	1840	
51	-	-	-	-	-	-	0	1580	

 The rated loads are the maximum lift capacities as determined by operating radius, boom length and boom angle. The operating radius is the horizontal distance from a projection of the axis of rotation to the supporting surface, before loading, to the center of vertical hoist line or tackle with load applied.

2) The rated loads shown on outriggers do not exceed 85% of actual tipping. The rated loads shown on rubber do not exceed 75% of actual tipping. These ratings are based on freely suspended loads with the crane leveled, standing on a firm, uniform supporting surface. Practical working loads depend on supporting surface, operating radius and other factors affecting stability. Hazardous surroundings, climatic conditions, experience of personnel and proper training must all be taken into account by the operator.

3) The weights of all load handling devices such as hooks, hook blocks, slings, etc., except the hoist rope, shall be considered part of the load. See above.

4) Ratings on outriggers are for either outriggers fully extended and down or fully retracted and down. Ratings for outriggers fully retracted and down will apply for any intermediate outrigger setting.

5) Ratings on rubber depend on 12.00R20 tire capacity, condition of tires and proper inflation pressure (130 psi). Loads on rubber may be transported at a maximum seed of 2.5 mph on a smooth, hard, level surface with boom retracted to the shortest length possible and centered over front. For 360° ratings on rubber, rear axle oscillation locks must be in place. Do not use jib with crane on rubber.

6) For operating radius not shown, use load rating of next larger radius.

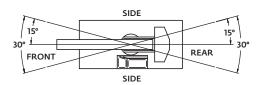
7) The maximum deck load only is 20,000 lb. Combined boom and deck loads are not permitted on rubber.

8) Do not induce any external side loads to boom or jib.

NOTES:

SHADED AREAS ARE GOVERNED BY STRUCTURAL STRENGTH, DO NOT RELY ON TIPPING.

OPERATION OF THIS EQUIPMENT IN EXCESS OF RATING CHARTS AND DISREGARD OF INSTRUCTIONS IS DANGEROUS AND VOIDS WARRANTY.

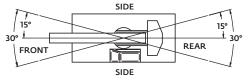


THIS CHART IS ONLY A GUIDE AND SHOULD NOT BE USED TO OPERATE THE CRANE. The individual crane's load chart, operating instructions and other instructional plates must be read and understood prior to operating the crane.

	15 FT JIB CAPACITIES ON EXTENDED OUTRIGGERS									
Main	Jib Offset Angle									
Boom	0 d	leg	15 (deg	30 deg					
Angle (deg)	To 42.5 ft Main Boom	To 54.5 ft Main Boom	To 42.5 ft Main Boom	To 54.5 ft Main Boom	Any Boom Length					
80	-	-	-	-	_					
75 70 65 55 50 45 40	9300 8550 7950 6950 6500 5350 4550	6500 61 00 5650 4350 3800 3500 2800	7400 6950 5350 4550 4050 3450 3000	5650 4350 3800 2800 2350 2150 1900	3500 2800 2350 2150 1900 1750 1670 1550					
35 30 25 20 15 10	4050 3450 3300 3150 3000 2800	2350 21 50 1900 1750 1670 1550	3150 3000 2800 –	1750 1670 1550 –						
5										

	15 FT - 25 FT JIB CAPACITIES ON EXTENDED OUTRIGGERS										
	15 FT Length						25 FT Length				
Main	J ib Offset Angle					ib Offset Angle J ib Offset Angle					
Boom	0 d	leg	15 c	15 deg 30 deg		0 d	0 deg 15 d		deg	30 deg	
Angle (deg)	To 42.5 ft Main Boom	To 54.5 ft Main Boom	To 42.5 ft Main Boom	To 54.5 ft Main Boom	Any Boom Length	To 42.5 ft Main Boom	To 54.5 ft Main Boom	To 42.5 ft Main Boom	To 54.5 ft Main Boom	Any Boom Length	
80	8500	8550	51 00	4770	3060	5830	5800	3710	3460	2200	
75	6990	6650	4400	41 00	2640	5120	4860	3190	2970	1890	
70	5940	5580	3790	3540	2290	4330	4070	2740	2560	1630	
65	51 00	4770	3270	3060	1990	3710	3460	2350	2200	141 0	
60	4400	41 00	2810	2640	1750	3190	2970	2020	1890	1230	
55	3790	3540	2420	2290	1560	2740	2560	1730	1630	1090	
50	3270	3060	2090	1990	1430	2350	2200	1480	141 0	990	
45	2810	2640	1830	1750	1370	2020	1890	1290	1230	950	
40	2420	2290	1630	1560	1370	1730	1630	11 40	1090	950	
35	2090	1990	1490	1430	1280	1480	141 0	1040	990	900	
30	1830	1750	1440	1370	1250	1290	1230	1000	950	800	
25	1630	1560	1440	1370	-	11 40	1090	1000	950	-	
20	1490	1430	1440	1280	-	1040	990	900	900	-	
15	1440	1370	1250	1250	-	1000	950	800	800	-	
10	1440	1370	-	-	I – I	1000	950	-	-	-	
5	1440	1280	-	-	-	900	900	-	-	-	
0	1250	1280	-	-	-	800	800	-	-	-	

MAIN BOOM ON RUBBER								
Any Boom Length								
Radius (ft)	Front Rating (lb)	360° Rating (lb)						
6	16000	15500						
8 10	14100	13550 10800						
10	11 2 5 0 9860	8880						
12	8700	7420						
15	8190	6800						
16	7720	6350						
18	6890	5890						
20	6180	5070						
22	5570	4370						
24	4990	3760						
26 27	4460 4220	3250 301 0						
27	4220	2810						
30	3680	2690						
32	3300	2580						
34	2950	2130						
36	2640	1890						
38	2350	1650						
39	2220	1540						
40 42	2160 2110	1420 1300						
42	191 0	1300						
46	1720	1030						
48	1550	900						
51	131 0	730						



NOTES:

SHADED AREAS ARE GOVERNED BY STRUCTURAL STRENGTH, DO NOT RELY ON TIPPING.

OPERATION OF THIS EQUIPMENT IN EXCESS OF RATING CHARTS AND DISREGARD OF INSTRUCTIONS IS DANGEROUS AND VOIDS WARRANTY.

 The rated loads are the maximum lift capacities as determined by operating radius, boom length and boom angle. The operating radius is the horizontal distance from a projection of the axis of rotation to the supporting surface, before loading, to the center of vertical hoist line or tackle with load applied.

2) The rated loads shown on outriggers do not exceed 85% of actual tipping. The rated loads shown on rubber do not exceed 75% of actual tipping. These ratings are based on freely suspended loads with the crane leveled, standing on a firm, uniform supporting surface. Practical working loads depend on supporting surface, operating radius and other factors affecting stability. Hazardous surroundings, climatic conditions, experience of personnel and proper training must all be taken into account by the operator.

3) The weights of all load handling devices such as hooks, hook blocks, slings, etc., except the hoist rope, shall be considered part of the load. See above.

4) Ratings on outriggers are for either outriggers fully extended and down or fully retracted and down. Ratings for outriggers fully retracted and down will apply for any intermediate outrigger setting. 5) Ratings on rubber depend on 12.00R20 tire capacity, condition of tires and proper inflation pressure (130 psi). Loads on rubber may be transported at a maximum seed of 2.5 mph on a smooth, hard, level surface with boom retracted to the shortest length possible and centered over front. For 360° ratings on rubber, rear axle oscillation locks must be in place. Do not use jib with crane on rubber.

6) For operating radius not shown, use load rating of next larger radius.

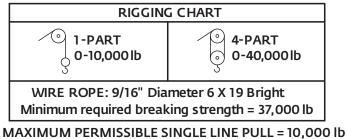
7) The maximum deck load only is 20,000 lb. Combined boom and deck loads are not permitted on rubber.

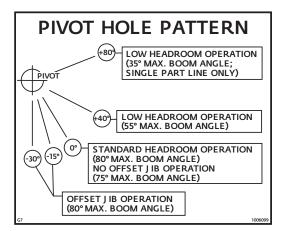
8) Do not induce any external side loads to boom or jib.

THIS CHART IS ONLY A GUIDE AND SHOULD NOT BE USED TO OPERATE THE CRANE. The individual crane's load chart, operating instructions and other instructional plates must be read and understood prior to operating the crane.

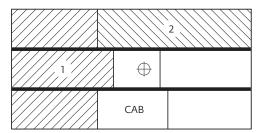
Rigging chart

CD5520





LOAD DISTRIBUTION CHART



Maximum Allowable Uniformly Distributed Load

AREA1

4,01 m² (43.2 sq.ft.) 5985 kg (13,195 lb) <u>AREA 2</u>

2,15 m²(23.1 sq.ft.) 3087 kg (6805 lb) <u>TOTAL</u> 6,16 m²(66.3 sq.ft.) 9072 kg (20,000 lb)

1. Maximum travel speed with any or all loads - 4,0 km/h (2.5 MPH)

- 2. Loads to be transported on smooth level firm surfaces only.
- 3. Boom must be retracted and in center forward position.
- 4. Any combination or total of areas 1 and 2 may be used.
- 5. Lifting is not permitted when carry deck is loaded except for loading and unloading carry deck.

6. Rated pick and carry loads may be transported on deck area 1 provided the load is cribbed directly on the frame rails.

Rating reductions for load handling devices installed kg (lb)								
	From jib							
Main block	161 kg (356 lb)*	Not applicable						
Hook and ball	48 kg (105 lb)*	48 kg (105 lb)						
Jib stowed	No reduction	Not applicable						
4,6 m (15 ft) jib deployed	317 kg (700 lb)	No reduction						
4,6 m - 7,6 m (15 ft - 25 ft) jib deployed	544 kg (1200 lb)	No reduction						
*Refer to rating plate for actual weight								

Specifications

Superstructure

Boom

5,64 m - 16,61 m (18.5 ft - 54.5 ft) four-section full power boom.

Maximum tip height: 19,2 m (63 ft)

AN FROM Optional boom extensions*

4,6 m (15 ft) fixed swingaway extension. Maximum tip height: 23,1 m (76 ft)

4,6 m - 7,6 m (15 ft - 25 ft) telescopic swingaway extension. Maximum tip height: 26,2 m (86 ft) Both extensions can be offset 0°, -15°, and -30° via pivoting boom nose.

I. Boom nose

Two sheave, quick reeve type with three- pinned pivoting (0°, +40°, and +80°) design to minimize head space requirements. Lowers head height 40,5 cm (1.33 ft) when nose is pivoted fully forward.

Boom elevation

Two double acting hydraulic cylinders with integral holding valve. Elevation: 0° to 80°.

Anti-two block device

Standard anti-two block device (hard wired), which, when activated, provides an audible and visual warning to the operator and "locks out" all functions whose movement can cause two-blocking.

上 Rated Capacity Limiter (RCL)

Black and white, graphical display of boom angle, boom length, boom radius, rated load, and calculated load. Allows for operator inputs to set the crane configuration. RCL system is hardwired and calculates load via pressure transducers in the lift cylinder. Display includes a color coded light bar and audible alarm with function cut-out if load exceeds the load chart parameters.

*Optional RCL system includes a full color graphical display, work area definition (WADS), and a datalogger capable.

Swina

Ball bearing swing circle with 360° continuous rotation. Worm gear and pinion driven by hydraulic motor. Spring applied, hydraulic released brake. Equipped with swing enable control. Maximum speed: 2.5 rpm

Hydraulic system

One pressure compensated variable displacement axial piston pump, with load sensing.

Maximum output of: 155 LPM (41.0 GPM)

Maximum operating pressure: 276 bars (4000 p.s.i.)

Six-section valve bank, chassis mounted, operated via dash mounted pilot pressure hydraulic joystick controllers.

151,4 L (40 gal) steel hydraulic reservoir with sight level gauge and steel side plating to guard against side impact.

Return line replaceable filter with by-pass protection and service indicator. Cartridge filter rating of three micron.



Hoist specifications

Smooth drum with cable follower.

Maximum hoist pull (first layer): 63,6 kN (14,300 lb)

Maximum permissible single line pull: 44,5 kN (10,000 lb.) (3.5:1 design factor)

Maximum single line speed: 64 m/min (210 fpm)

Rope construction: 6 x 19 XXIPS / IWRC

Rope diameter: 14 mm (9/16 in)

Rope length: 97,5 m (320 ft)

Carrier

聞 Chassis

High strength alloy frame constructed with integral outrigger housings; front and rear lifting, tie-down, and towing lugs. 66.3 sq. ft. carrydeck size with 9072 kg (20,000 lb) deck only carrying capacity. Deck coated with anti-skid treatment.



Single stage hydraulic telescoping beam with oblique style jack cylinder on all four corners. Provides extended and down and retracted and down lifting capabilities. Integral holding valve on both beam and jack. Outrigger positioning indicator located in dash display.

Outrigger pad size: 222 mm x 254 mm (8.75 in x 10 in)

Maximum outrigger pad load: 15 468 kg (34,100 lb)/ 401 p.s.i.

Uutrigger controls

Independent outrigger control rocker switches for beam or jack selection with a separate extend /retract rocker selector switch, 360° level bubble located inside cab.



Engine (Tier IV)

Cummins QSB 3,3 L four cylinder / turbo-charged diesel rated at 75 kW (100 hp) at 2600 rpm. Includes standard 120V engine block heater and air intake "Grid" heater. Engine hour meter located in dash display. Alternator: 120 amp. Maximum Torque: 414 Nm (305 ft/lb). Fuel requirements: Maximum of 15 ppm sulphur content Requires "Ultra Low" diesel fuel.

NOTE: Tier IV required for sale in North America.

👤 Engine (Tier III)

Cummins QSB 3.3L four cylinder / turbo-charged diesel rated at 74 kW (99 hp) at 2600 r.p.m. Includes std. 120V engine block heater and air intake "Grid" heater. Engine hour meter located in dash display. Alternator: 90 amp. Maximum Torque: 415 Nm (306 ft/lb).

NOTE: Required for sale outside of North America and European Union countries.



Fuel tank capacity

Steel with side impact plate. Capacity: 151,4L (40 gal).

Specifications

Carrier

O Transmission

Powershift with four speeds forward and four reverse. Steering column mounted shifter.

4 Operators control station

Frame mounted, open air style control station with cab shell includes all crane functions and driving controls and equipped with overhead safety glass. Other standard equipment includes a suspension seat with seat belt, sight level bubble and 1,1 kg (2.5 lb) fire extinguisher, and tilt steering wheel. The dash panel will display the fuel level gauge, water temperature gauge, engine r.p.m., battery voltage, and hour meter. Indicator lights will display parking brake, low transmission pressure, low brake pressure, outrigger position, headlights, work lights (if ordered), and hoist 3rd wrap (if ordered. Crane function indicator and turn signal indicators are also included. The RCL display will be mounted on the top of the dash panel for direct line of sight for the operator.

*Operators control station enclosed

Includes the standard cab shell and all controls and indicators noted above, with the addition of front, rear, and right side glass, a split (two-piece) hinged door with sliding glass, front windshield wiper and washer, hot water heater and defroster with fan and cab dome light.

🗲 Electrical system

One heavy duty maintenance free 12V battery, 820CCA at 0°F.

🛏 Drive

Two-wheel (front-wheel) as standard with four-wheel drive as an option. Drive axles supplied with planetary hubs and limited slip differential.

$[\mathbf{\hat{T}}]$ Steer

Standard three steering modes. Front (two-wheel), four-wheel coordinated, and four-wheel crab steer with electronic self alignment. Three position rocker switch located on dash panel.

Outside Turning Radius:

Two wheel steer: 6,2 m (20 ft 4.8 in) Four wheel steer: 3,9 m (13 ft 1 in)

---4 Suspension/axles

Front: Drive / steer in both two-wheel drive and four-wheel drive Rear: non-drive with steer in two-wheel drive, drive/steer in fourwheel drive

Front axle is rigid mounted to frame. Rear axle offers 1.5° of oscillation.

O Brakes

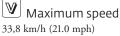
Hydraulic actuated internal wet-disc service brake acting on each drive wheel. Dash mounted rocker switch with indicator light for activating or release of the dry disc parking brake mounted on the transmission output yoke.

ບ _{Tires}

Tubeless type, semi-aggressive tread. 12.00 R20



Full LED lighting includes turn indicators, head, tail, brake, and hazard warning lights recessed mounted.





68% ... (to drive train stall) NO LOAD

40% ... (to drive train stall) with 9072 kg(20,000 lb) DECK LOAD

Gross vehicle weight (GVW)

16 494 kg (36,364 lb) basic unit with Tier IV engine.

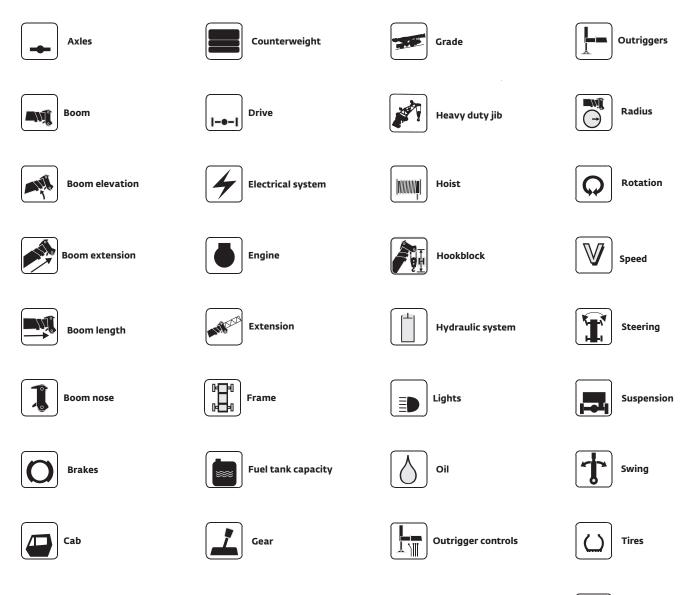
Miscellaneous standard equipment

- Back-up motion alarm
- Outrigger motion alarm
- · No-skid decking
- · Front and rear lifting
- Towing
- Tie-down lugs
- · Hoist third wrap indicator with hoist function cut-out
- · Hoist drum rotation indicator

*Optional equipment

- Auxiliary lighting: includes cab mounted amber flashing light and dual base boom mounted LED work lights
- · Convenience package: includes front and rear pintle hitch, dual rear view mirrors, head and tail light metal mesh grille covers
- Enclosed cab package: includes heater and defroster, cab dome light, all window glass, and two-piece split door
- Four-wheel drive
- Below deck hydraulic tow winch with 4536 kg (10,000 lb) capacity
- 4,6 m (15 ft) fixed boom extension
- 4,6 m 7,6 m (15 ft 25 ft) telescopic boom extension
- Air conditioning (closed cab option required)
- 360° swing lock

Symbols glossary





Transmission

Notes

Notes



Manitowoc Cranes

Regional headquarters

Americas

Manitowoc, Wisconsin, USA Tel: +1 920 684 6621 Fax: +1 920 683 6277

Shady Grove, Pennsylvania, USA Tel: +1717 597 8121 Fax: +1717 597 4062

Europe and Africa

Dardilly, France - TOWERS Tel: +33 (0)472182020 Fax: +33 (0)472182000

Wilhelmshaven, Germany - MOBILE Tel: +49 (0) 4421 294 0 Fax: +49 (0) 4421 294 4301 **China Shanghai, China** Tel: +86 21 6457 0066 Fax: +86 21 6457 4955 Middle East and Greater Asia-Pacific Singapore Tel: +65 6264 1188

Fax: +65 6862 4040 **Dubai, UAE** Tel: +971 4 8862677 Fax: +971 4 8862678/79









This document is non-contractual. Constant improvement and engineering progress make it necessary that we reserve the right to make specification, equipment, and price changes without notice. Illustrations shown may include optional equipment and accessories and may not include all standard equipment.

©**2016 The Manitowoc Company, Inc.** Form No. CD5520 PG Part No. 13-004/1M/1216