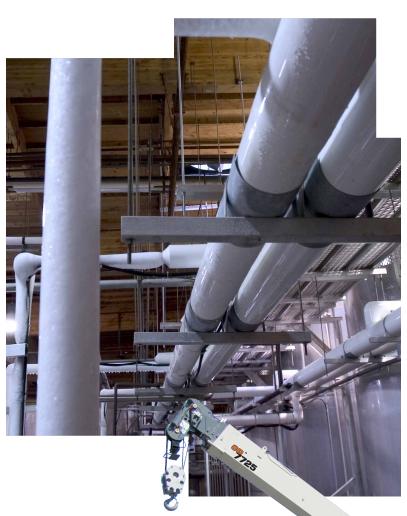


Grove Manitowoc National Crane Potain



Shuttlelift CD7725

Product Guide



Features

- 22 t (25 USt) capacity
- 21,6 m (71 ft) four-section full power boom
- 13,6 t (15 USt) deck carrying capacity
- Tilt steering wheel
- Load sensing piston hydraulic pump
- Proportional hydraulic controls



Features

Contents



The reach and capacity to get the job done A 5,1 m (17 ft) swingaway extension added to the 21,6 m (71 ft) main boom provides an impressive 28,9 m (95 ft) tip height with a capacity of 2268 kg (5000 lb). A galvanized down-haul ball is included with the extension.

Split door designThe "new" split door design, offered with the optional enclosed cab, allows for the top half to be left open while keeping the bottom half closed for safety.



Specifications	4
Dimensions	7
Range diagram	9
Load chart	10
Symbols glossary	12



Hook block A galvanized coated hook block is provided as standard to help eliminate rusting of this important crane

component.



Operator cabHydraulic proportional joystick controls, automotive dash layout, tilt steering wheel, and suspension seat enhances operator comfort and ease of use.



Specifications

Superstructure



■N Boom

7,21 m - 21,6 m (23 ft 8 in - 71 ft) full power main boom. Four-section boom with three (3) powered

Maximum tip height: 24,0 m (79 ft).



*Offsettable swingaway extension

5,1 m (17 ft) offsettable swingaway extension. Offsets 0°,15°, and 30° via pivoting boom nose. Stows alongside base boom section.

Maximum tip height: 28,9 m (95 ft).



Boom nose

Two nickel plated steel sheaves mounted on heavy duty tapered roller bearings with removable pin-type rope guards. Quick reeve type boom nose with four-position (0°, +30°, +60°, and + 80°) pivoting to minimize head height requirements. Lowers head height by 0,6 m (2 ft).



Boom elevation

Two double acting hydraulic cylinders with integral holding valves provides elevation from -0° to +80°.



Anti-two block device

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



Load indicator (LSI)

A simple effective and easy to use load indicating system used in conjunction with the anti-two block system to assist the operator in efficient operation of the unit within the limits of the load chart. The display panel displays the hook load and cuts-out the telescope and boom lift down function when a load limit is exceeded. The warning is by a flashing light on the display panel. In conjunction with the load display panel (receiver) there is a wireless transmitter and load sensing pin attached to the boom head that transmits the hook load to the display panel.

(wireless system)



*Load Moment Indicator (LMI)

"Graphics Display" of boom angle, boom length, boom radius, capacity, and allows for operator input to set the limit parameters based on the load chart. Displays color coded light bar and audible alarm with function cut-out if load exceeds the load chart parameters.

(hardwired system)



Swing

Ball bearing swing circle with 360° continuous rotation. Hydraulic motor driven pinion with brake. Maximum speed: 2.5 rpm



Hydraulic system

One pressure compensated variable displacement axial piston pump with load sensing combined with two (2) gear pumps.

Maximum output of: 238 LPM (79 GPM).

Maximum operating pressure: 248 bars (3600 psi).

Six section valve bank, chassis mounted, operated via dash mounted, pilot pressure hydraulic joysticks. 227 L (60 gal) hydraulic reservoir with sight level gauge and steel side plating to guard against side impacts. 10 micron return line filter with full flow by-pass protection and service indicator.



Hoist specifications

Piston motor driven with automatic spring applied / hydraulically released wet brake.

Maximum hoist pull (first layer): 6804 kg (15,000 lb)

Maximum permissible single line pull: 5670 kg (12,500 lb) (3.5:1 design factor)

Maximum single line speed: 61 m/min (200 fpm)

Rope construction: 6X19 XIPS/IWRC

Rope diameter: 16 mm (5/8 in)

Rope length:

Main hoist: 119 m (390 ft)

Maximum rope stowage:

Main hoist: 151 m (495 ft)

Carrier

Chassis

High strength alloy frame constructed with integral outrigger housings; front and rear lifting, tie-down, and towing lugs. 60 ft² carrydeck size with 13 608 kg (30,000 lb) deck only carrying capacity. Deck coated with anti-skid treatment.



Outriggers

Two-stage hydraulic telescoping beam with vertical jack at the four corners provides extended and down and retracted and down lifting capacities. Integral holding valves on both beam and jack cylinders.

Outrigger pad size:

29,2 cm x 29,2 cm (11.5 in x 11.5 in) Maximum outrigger pad load:

20 321 kg (44,800 lb) / 339 p.s.i.



Outrigger controls

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



Engine (Tier IV)

Cummins QSB 4.5 L, four cylinders, turbo-charged diesel rated at 97 kW (130 hp) at 2500 rpm. Standard 110V engine block heater and cold weather intake grid heater.

Diesel Oxidation/Catalyst, stainless steel, muffler to meet 2012 EPA emissions, combined with a Cummins direct air flow, 2 stage cyclonic air filter system. Maximum torque: 620 N-m (457 ft lb) at 1500 rpm.

Note: Tier IV engine Required in North American and European Union countries.



Engine (Tier III)

Cummins QSB 4.5L, four cylinders / turbo-charged diesel rated at 97 kW (130 bhp) (Gross) at 2500 rpm. Standard 110V engine block heater and cold weather "ether" assist system. Engine hour meter located inside operators compartment.

Maximum torque: 370 N-m (273 ft lb) at 2500 rpm.

Note: Required for sale outside of North American and European Union countries



Fuel tank capacity

189 L (50 gal)

Specifications



Transmission

Powershift with four speeds forward and reverse. Stalk mounted direction shifter with rotary gear selection.



Operators control station

Frame mounted, open air style control station with cab shell includes all crane functions, driving controls, and overhead safety glass. Other standard equipment includes a suspension seat with seat belt, hourmeter, sight level bubble, and 2.5 lb (1.1 kg) fire extinguisher. The dash panel includes a multi-cluster gauge showing fuel, water temperature, oil pressure, and battery voltage. An engine monitoring indicator strip shows engine warning, stop engine, transmission low pressure, transmission high temperature, and low brake system pressure. The load indicator receiver is mounted to the top of the dash panel.



*Operators control station enclosed

Includes the standard cab shell with the addition of front, rear, and right side glass, a split (2 piece) hinged door with sliding glass, front windshield wiper and washer, hot water heater and defroster with fan and cab dome light are included.



Electrical system

Two 12V maintenance-free batteries, 820CCA at 0°. 63 amp alternator.



2 wheel (rear drive) or 4 wheel selection, front and rear axle drive with planetary hubs and limited slip differential.



Steer

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

Outside turning radius: Two-wheel steer: 7,32 m (24 ft)

Four-wheel steer: 4,04 m (13 ft 3 in)

*Denotes optional equipment *Denotes optional equipment Shuttlelift CD7725



Specifications

Carrier continued



Suspension/axles

Front: Drive/steer with differential and planetary reduction hubs, axle is rigid mounted to frame. Rear: Drive/steer with differential and planetary reduction hubs, axle is pivot mounted to frame allows up to 3.5° of oscillation.



Oscillation lockouts

Manual switch to engage and disengage the rear axle lockouts. Engage when lifting on rubber and in crab steer mode, Disengage to allow oscillation when traveling over rough terrain.



Brakes

Hydraulic actuated internal wet-disc service brake acting on all four wheels. Dash mounted toggle switch with light for activating or release of the dry disc parking brake mounted on the transmission output yoke.



Tires

Standard: 17.5 x 25 Bias Optional: 17.5R25 radials



Lights

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



Maximum speed

31,3 km/h (19.5 mph)



6

Gradeability (theoretical)

63%..... (at engine stall) NO LOAD 38%.....(at engine stall) with 13 608 kg (30,000 lb) DECK LOAD

Gross vehicle weight (G.V.W.)

Open cab: 20 249 kg (44,640 lb) **Enclosed cab:** 20 354 kg (44,873 lb)

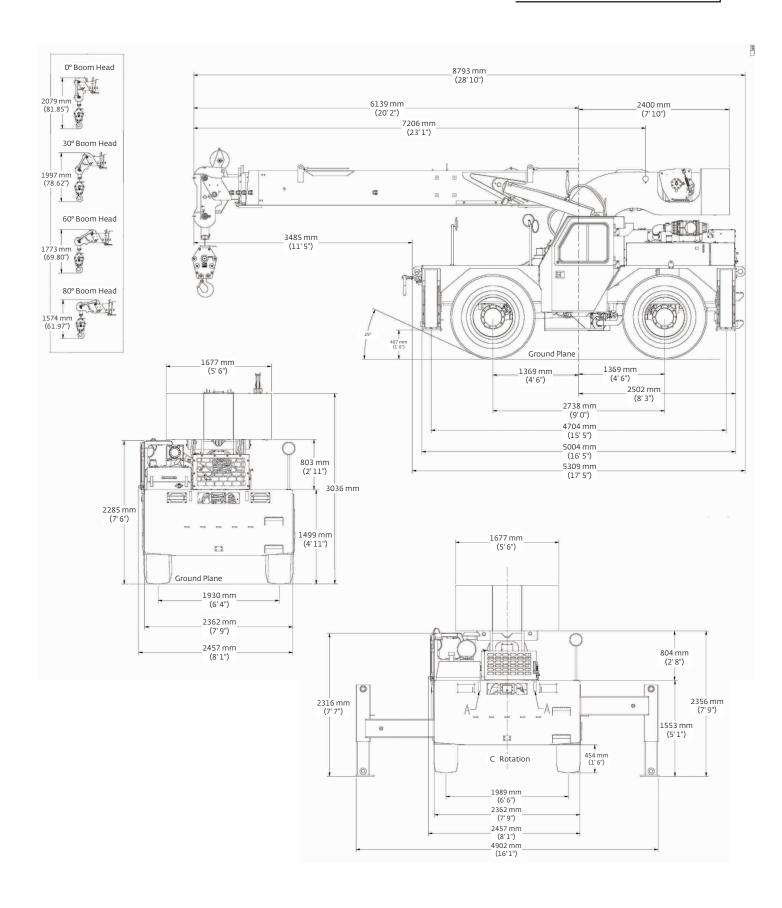
Miscellaneous standard equipment

22 t (25 USt) Two sheave "galvanize coated" hook block, with "Quick Reeve". Back-up motion alarm Outrigger motion alarm Dual rear-view mirrors

*Optional equipment

- AUXILIARY LIGHTING: includes cab mounted amber flashing light, dual base boom mounted floodlights
- CONVENIENCE PACKAGE: includes front and rear pintle hitch and headlight/taillight grille covers
- ENCLOSED CAB PACKAGE: includes heater and defroster, cab dome light, all window glass, and two piece split door
- 5,2 m (17 ft) fixed extension
- Air conditioner
- Catalytic convertor
- Hoist drum rotation indicator
- Wire rope 3rd wrap indicator with hoist function
- 3629 kg (8000 lb)
 Foam filled tires 3629 kg (8000 lb) below deck mounted tow winch

Dimensions

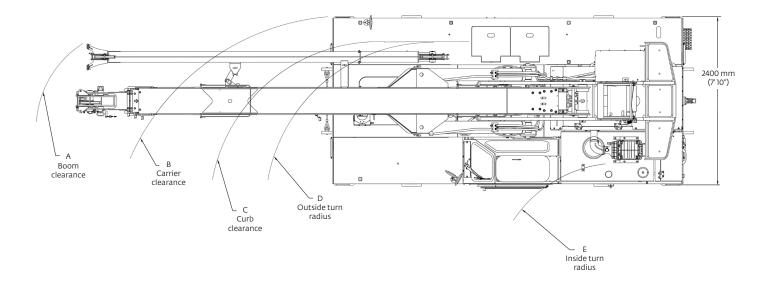


Shuttlelift CD7725 *Denotes optional equipment

Height from the ground in feet

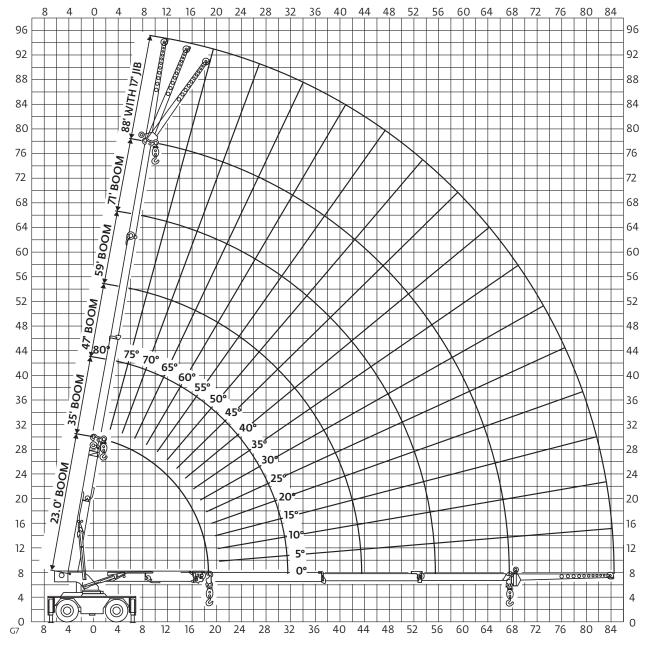
Dimensions

Dimensi	ons									
Tire size	Α	В	С	D	E	Α	В	С	D	E
	9784 mm	8047 mm	7620 mm	7300 mm	4664 mm	7102 mm	4968 mm	4542 mm	4084 mm	1890 mm
17.5 x 25	(385.2 in)	(316.8 in)	(300 in) (287.4 in) (183.6		(183.6 in)	(279.6 in)	(279.6 in) (195.6 in) (178		(160.8 in) (74.4 in)	
		Tv	vo-wheel stee	r			F	our-wheel stee	er	



Weights						
	G/	/W	Fro	ont	Rear	
	kg	(Ib)	kg	(lb)	kg	(lb)
Basic machine: Including 21,6 m (71 ft) main boom, main hoist with 119 m (390 ft) of wire rope, 22,6 t (25 USt) hookblock, full counterweight, Tier IV engine	20 249	(44,640)	9 904	(21,834)	10 345	(22,806)
Add: 5,1 m (17 ft) fixed swingaway extension and extension carrier brackets and downhaul weight	208	(458)	406	(896)	-199	(-438)
Crane weight	20 456	(45,098)	10 310	(22,730)	10 146	(22,368)
Basic machine: Including 21,6 m (71 ft) main boom, main hoist with 119 m (390 ft) of wire rope, 22,6 t (25 USt) hookblock, full counterweight, Tier IV engine	20 249	(44,640)	9 904	(21,834)	10 345	(22,806)
Add: Enclosed cab with heater and defroster	106	(233)	104	(104)	129	(129)
Crane weight	20 354	(44,873)	9 951	(21,938)	10 403	(22,935)

Range diagram



Operating radius in feet from axis of rotation



Load chart

	MAIN BOOM LOAD RATINGS ON OUTRIGGERS Extended and Down 360° or Retracted and Down Front/Rear									M	AIN BC	OM LO Retra		TINGS (ERS				
	23.0 ft	Boom	35.0 f	t Boom	47.0 f	t Boom	59.0 f	t Boom	71.0 f	t Boom		23.0 f	t Boom	35.0 f	t Boom	47.0 f	t Boom	59.0 f	t Boom	71.0 ft	Boom
Radius (ft)	Boom Angle (deg)	Rated Load (lb)	Boom Angle (deg)		Boom Angle (deg)	Rated Load (lb)	Boom Angle (deg)	Rated Load (lb)	Boom Angle (deg)	Rated Load (lb)	Radius (ft)	Boom Angle (deg)	Rated Load (lb)								
8.5	64.2	50,000	73.2	34,300	78.1	33,600	(==5/	(/	(==5/	(/	8.5	63.5	26,350	73	24,000	78	21,900	(==5/	(/	15/	(,
10 12	59.8 53.6	38,793 34,893	70.6 66.9	34,500 31,426	76.2 73.6	33,017 29,285	79.7 77.8	27,800 25,900			10 12	59 52.5	20,800	70.5 67	19,300 15.100	76 73.5	17,900 14.200	79.5 77.5	16,650 13.350		
14	46.8	31,256	63.2	28.464	71	26,357	75.8	24,100	78.7	18,200	14	45.5	12.300	63	12.250	71	11.600	75.5	11.000	79	10.500
16	38.8	26,699	59.2	26,076	68.3	24,016	73.7	22,400	77.1	16,750	16	37	9850	59.5	10,150	68.5	9710	73.5	9280	77	8870
18	28.7	23,186	55.1	23,496	65.6	22,096	71.7	20,792	75.4	15,500	18	26	8070	55.5	8370	65.5	8230	71.5	7910	75.5	7590
19.5 22	0	21,044	51.9 46	21,379 18.471	63.5 59.9	20,902 18,629	70.1 67.4	19,582 17,872	74.2 72	14,650 13.400	19.5 22	0	7090	52 46.5	7300 5900	63.5 60	7330 6050	70 67.5	7060 5900	74 72	6810 5720
24	_	_	40.8	16,592	56.9	16,747	65	16,300	70.3	12,500	24	_	_	41.5	5040	57	5170	65	5150	70	5000
26	-	-	36	14,600	54	14,850	63	14,200	68.5	11,750	26	_	-	36	4330	54	4450	63	4520	68.5	4400
28	-	-	29	12,750	.51	13,050	60.5	13,150	66.7	11,050	28	-	-	29	3740	.51_	3850	60.5	3930	66.5	3880
30 31.5	-	-	20	11,250	47.5 45	11,600	58.5	11,700	65.2	9800	30	_	-	20	3250	47.5 45	3340 3010	58.5	3410 3080	65	3420 3120
31.5	_	_	0	10,300	45	10,650 9350	56.5 53.5	10,750 9480	63.9 61.5	9400 8850	31.5 34		_	0	2910	45	2530	56.5 53.5	2590	61	2640
36	_	_	_	_	36	8460	51	8590	59.6	8400	36	_	_	_	_	36	2200	51	2260	59	2310
38	-	-	-	_	31	7680	48.5	7830	57	7940	38	_	-	-	-	31	1910	48.5	1960	57	2010
40	-	-	-	_	25	7000	45.5	7150	55	7270	40	-	-	-	-	25	1660	45.5	1700	55	1750
42 43.5	-	_	-	_	17.5 0	6400 6000	42.5 40.5	6550 6000	53 51.5	6680 6270	42 43.5	_	_	_	_	17.5	1410 1230	42.5 40.5	1470 1310	53 51.5	1510 1350
43.5	_	_	_	_	_	-	36	5440	48.5	5680	43.5		_		_	0	1230	36	1070	48.5	1110
48	-	_	_	_	_	_	32.5	5040	46.5	5250	48	_	_	_	_	_	_	32.5	890	46.5	930
50	-	-	-	_	_	-	28	4680	44	4860	50	_	-	-	-	-	_	28	720	44	780
52	-	_	_	-	-	-	23	4350	41.5	4510	52	-	-	_	-	_	_	23	570	41.5	630
54 55.5		_	_	_	_	_	16 0	4040 3820	38.5 36.5	4190 3960	54 55.5	_	_		_	-	_	16 0	430 330	38.5 36.5	500 410
58	_	_	_	_	_	_	-	-	32.5	3620	58	_	_	_	_	_	_	_	-	32.5	270
60	-	-	-	_	-	-	-	_	29	3370	60	_	-	-	-	-	_	-	_	-	
62	-	-	-	_	-	-	-	-	25	3130	62	-	-	-	-	-	-	-	-	-	-
64	-	_	-	_	-	-	-	-	20	2920	64	-	-	_	-	_	_	_	_	-	_
	_	_	-	_		_	-	_				_	_		_	_	_	_	_	-	_
66 67	_	-	_	_	_	_	_	_	13 0	2720 2620	66 67	_	-	-	_ _	_	_	_	_	_	

MAIN	воом
ON R	UBBER

	011110	DDLI					
	Any Boom Length						
Radius (ft)	Front Rating (lb)	360° Rating (lb)					
6	30,000	21,000					
8	24,950	17,900					
10	21,000	15,000					
12	18,000	13,000					
14	15,650	10,000					
16	13,300	7920					
10	10 000	6/110					

Radius	Rating	Rating
(ft)	(lb)	(lb)
6 8 10	30,000 24,950 21,000	21,000 17,900 15,000
12 14 16 18 20 22 24 26 28 30 32 34 36 38 40 42 44 46 50 52 54 60 62 64 66 67	18,000 15,650 13,300 10,900 9460 8060 6960 6050 5300 4670 4130 3670 3260 2900 2590 2300 2280 2050 1840 1650 1480 1320 1080 950 840 730 620 570	13,000 10,000 7920 6410 5780 4880 4140 3520 2990 2540 2160 1820 1530 1270 1040 830 720 610 500 390 280

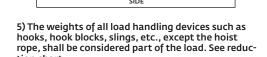
IIB CAPACITY IS LIMITED BY BOTH STRUCTURAL CAPACITY CHART AND MAIN CAPACITY CHART.

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 DANGER-OUS AND VOIDS WARRANTY.

- 1) 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) Rated load columns for discrete boom lengths apply when actual boom length is within +/- 1.0 ft of discrete length. When boom length or radius or both are between points listed on capacity chart. the smallest load shown at either the next larger radius or boom length shall be used.
- 3) For operating radius not shown, use load rating of next larger radius.
- 4) 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.

RATING REDUCTIONS FOR LOAD HANDLING DEVICES INSTALLED (Ib)						
HANDLING	FROM MAIN BOOM	FROM IIB				
MAIN BLOCK	475	N/A				
HOOK & BALL	100	100				
JIB STOWED	0	N/A				
JIB DEPLOYED	500	0				
MAXIMUM PERMISSIBLE SINGLE LINE PULL = 12,500 lb						
HOIST ROPE: 5/8 in diameter 6 x 19 XIPS IWRC BRIGHT Min. req'd breaking strength = 45,400 lb						
150	SIDE	150				

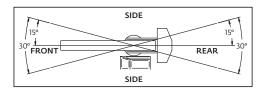


- 6) Ratings on outriggers are for either outriggers fully extended and down or fully retracted and down. Ratings for outriggers fully retracted and down will apply for any intermediate outrigger
- 7) Ratings on rubber depend on tire capacity, condition of tires and proper inflation pressure (110 psi). When replacing tires, contact Manitowoc for proper specifications. 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.
- 8) The maximum combined total boom and deck load is 20,000 lb. The maximum deck load only is
- 9) Do not induce any external side loads to boom or jib.

80024664CD

Load chart

	17 ft JIB CAPACITY ON EXTENDED OUTRIGGERS (Ib)								
Main	Jib Offset Angle								
Boom	()°	1.	5°	30°				
Angle (deg)	To 55 ft Main Boom	To 71 ft Main Boom	To 55 ft Main Boom	To 71 ft Main Boom	Any Boom Length				
80	_	_	5000	5000	3500				
75	7500	_	4400	4400	3100				
70	6100		3900	3900	2800				
65	5000	4600	3500	3500	2550				
60	4300	3800	3150	3150	2350				
55	3800	3300	2850	2850	2200				
50	3400	2900	2600	2600	2100				
45	3050	2600	2400	2400	2000				
40	2800	2400	2250	2250	1950				
35	2600	2150	2150	2050	1900				
30	2400	1930	2080	1850	1830				
25	2300	1750	2050	1720	_				
20	2200	1600	2000	1590	-				
15	2100	1500	1950	1520	_				
10	2050	1460	_	_	-				
5	2020	1450	_	_	_				
0	2000	1440	_	_	-				



- 1) 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) Rated load columns for discrete boom lengths apply when actual boom length is within +/- 1.0 ft of discrete length. When boom length or radius or both are between points listed on capacity chart, the smallest load shown at either the next larger radius or boom length shall be used
- 3) For operating radius not shown, use load rating of next larger radius.
- 4) 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.
- 5) 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.
- 6) 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.
- 7) Ratings on rubber depend on tire capacity, condition of tires and proper inflation pressure (110 psi). When replacing tires, contact Manitowoc for proper specifications. 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.
- 8) The maximum combined total boom and deck load is 20,000 lb. The maximum deck load only is 30,000 lb.
- 9) Do not induce any external side loads to boom or jib.

80024664CD

The individual crane's load chart, operating instructions and other instructional plates must be read and understood prior to operating the crane.

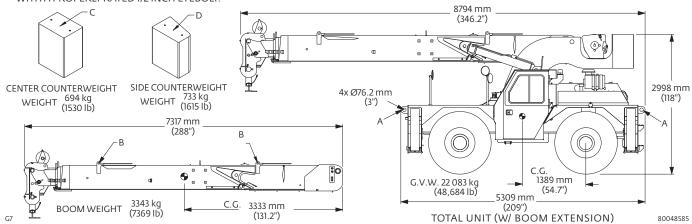


Transportation and lifting data

TRANSPORTATION AND LIFTING DATA - CD7725

- 1. LIFTING OF ENTIRE CRANE OR MAJOR CRANE ASSEMBLIES MUST BE ACCOMPLISHED BY UTILIZING SPECIFIC FITTINGS INDICATED ON ADJACENT CHART. USE OF FITTINGS FOR PURPOSES OTHER THAN THOSE DESIGNATED ON CHART IS PROHIBITED. FITTING CAPACITIES ARE MAXIMUM ALLOWABLE LOADS PER INDIVIDUAL FITTING.
- 2. RIGGING PERSONNEL SHALL BE RESPONSIBLE FOR PROPER SELECTION AND PLACEMENT OF ALL SLINGS AND LOAD HANDLING DEVICES.
- 3. DIMENSIONS AND WEIGHTS SHOWN ARE ESTIMATED FOR LARGEST CONFIGURATION AVAILABLE. WEIGHTS DO NOT INCLUDE BOOM EXTENSION AND OR JIB, UNLESS OTHERWISE INDICATED.
- 4. RIGGING PERSONNEL SHALL VERIFY DIMENSIONS AS REQUIRED FOR CLEARANCE.
- 5. DO NOT USE COUNTERWEIGHT LIFT LOCATIONS OR BOOM SLING POINT FOR LIFTING OR TIE DOWN OF ENTIRE CRANE
- 6. LIFTING OF THE COUNTERWEIGHT TO BE ACCOMPLISHED WITH A PROPERLY RATED 1/2 INCH EYEBOLT.

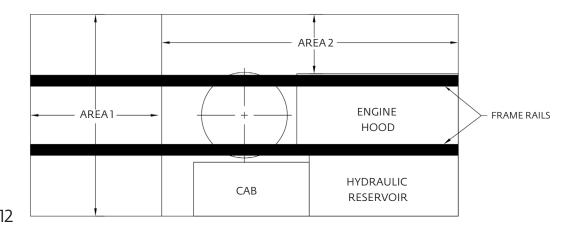
					воом	CWT	CAPACITY-TONNES [TONS]							
5	N					N					TIE DOWN			
FITTING	NO./UNIT	LIFT	TOW	TIE DOWN	LIFT	LIFT	LIFT	TOW	FORE & AFT	SIDE	DOWN			
Α	4	Х	Χ	Х			9.1 [10]	27.2 [30]	27.2 [30]	0.9 [1]	27.2 [30]			
В	4				Х		1.8 [2]							
С	1					Х	0.9 [1]							
D	1					Х	0.9 [1]							



LOAD DISTRIBUTION CHART

AREA 1	
5,21 m sq (56.1 sq ft)	8981 kg (19,800 lb)
AREA 2	
2,41 m sq (25.9 sq ft)	4627 kg (10,200 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 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.



Symbols glossary



















Boom elevation



Extension











Hookblock





















Boom length















Outrigger controls



Transmission

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Notes

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