

MANITOWOC ENGINEERING CO.

Division of The Manitowoc Company, Inc. Manitowoc, Wisconsin 54220



CRANE WEIGHTS

M-1200

NOTE: WEIGHTS MAY FLUCTUATE $\pm$ 3% DUE TO MANUFACTURING TOLERANCES

DESCRIPTION

WEIGHT
POUNDS KILOGRAMS

LIFTCRANE:

UPPERWORKS AND LOWERWORKS COMPLETE WITH 60' (18.3m) RINGER ATTACHMENT, CRANE AND AUXILIARY COUNTERWEIGHT, GANTRY, BACKHITCH, 150' (45.7m) MAST, FULLY RIGGED BOOM WITH HANGER BLOCK, BOOM STOPS, LOAD LINES AND LOAD BLOCK

150' (45.7m)	BOOM NO. 75A WITH 882 TON (800t) HANGER BLOCK AND 1,577,600 LB.		
(715 590 kg)	AUXILIARY COUNTERWEIGHT	2,720,510	1 234 003
150' (45.7m)	BOOM NO. 75A WITH 882 TON (800t) HANGER BLOCK AND 1,049,600 LB.		
(476 090 kg)	AUXILIARY COUNTERWEIGHT	2,192,510	994 506
153' (46.5m)	BOOM NO. 72 WITH 1,433 TON (1 300t) HANGER BLOCK AND 2,017,600 LB.		
(915 170 kg)	AUXILIARY COUNTERWEIGHT	3,317,655	1 504 863
153' (46.5m)	BOOM NO. 72 WITH 882 TON (800t) HANGER BLOCK AND 2,017,600 LB.		
(915 170 kg)	AUXILIARY COUNTERWEIGHT	3,288,555	1 491 664
153' (46.5m)	BOOM NO. 72 WITH 1,433 TON (1 300t) HANGER BLOCK AND 1,753,600 LB.		
(795 420 kg)	AUXILIARY COUNTERWEIGHT	3,053,655	1 385 115
153' (46.5m)	BOOM NO. 72 WITH 882 TON (800t) HANGER BLOCK AND 1,753,600 LB.		
(795 420 kg)	AUXILIARY COUNTERWEIGHT	3,024,555	1 371 915
303' (92.4m)	BOOM NO. 72/75A WITH 882 TON (800t) HANGER BLOCK AND 2,017,600 LB.		
(915 170 kg)	AUXILIARY COUNTERWEIGHT	3,412,420	1 547 848
303' (92.4m)	BOOM NO. 72/75A WITH 882 TON (800t) HANGER BLOCK AND 1,753,600 LB.		
(795 420 kg)	AUXILIARY COUNTERWEIGHT	3,148,420	1 428 099

M-250 WITH RINGER PREP:

UPPERWORKS AND LOWERWORKS COMPLETE WITH MAIN DRUMS BOOM HOIST EQUIPPED, GANTRY, AND 52,000 LB. (23 590 kg) CRANE COUNTERWEIGHT

		300,465	136 289
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60' (18.3m) DIA ROLLER RING AND SUPPORT:

	FRONT RING SEGMENT WITH SWING GEAR	32,935	14 939
	SIDE RING SEGMENT (EACH) WITH SWING GEAR	30,595	13 878
	REAR RING SEGMENT WITH SWING GEAR	32,935	14 939
	21 DEGREE SEGMENT WEAR PLATES (EACH) 8 REQUIRED	420	191
	24 DEGREE SEGMENT WEAR PLATES (EACH) 8 REQUIRED	480	218
	CRAWLER SIDE BEAM (EACH) WITH JACK CYLINDERS, PADS, LINKS AND PINS	36,330	16 479
	RING SCREW JACKS (EACH) WITH PADS - 48 REQUIRED	2,040	925
	TOTAL WEIGHT ROLLER RING, SUPPORT, AND SCREW JACKS WITH PADS	304,840	138 273

FRONT ROLLER CARRIER AND HOIST FRAMES:

	FRONT ROLLER CARRIER WITH PIVOT FRAMES, BOGIES, ROLLERS, OPERATORS MODULE, CATWALK AND LADDER	85,375	38 725
	REAR HOIST FRAME WITH PLATFORMS	10,580	4 799
	FRONT HOIST FRAME WITH PLATFORMS	10,255	4 652
	TRANSVERSE BEAM WITH STRUT BRACKETS	19,750	8 958
	CATWALK AND STAIRS ALONG TRANSVERSE BEAM	700	318
	STRUT (EACH) WITH PINS	1,725	782
	REAR RINGER DRUM	16,000	7 257
	INSIDE SWINGER (EACH)	2,415	1 095
	TOTAL	150,940	68 465

AUXILIARY COUNTERWEIGHT:

	COUNTERWEIGHT TRAY WITH ROLLERS	60,620	27 497
	A-FRAME (EACH) WITH UPPER PLATFORM, LADDER AND PINS	6,930	3 143
	A-FRAME STRUT (EACH) WITH PIN	3,000	1 361
	SHEAR FRAME - RIGHT SIDE WITH STRUT BRACKET, RATCHET JACK AND PINS	9,050	4 105
	SHEAR FRAME - LEFT SIDE WITH STRUT BRACKET, RATCHET JACK AND PINS	8,930	4 051
	COUNTERWEIGHT BOX (EACH) 22 REQ'D FOR 1,049,600 LB. (476 090 kg) COUNTERWEIGHT, 34 REQ'D FOR 1,577,600 LB. (715 590 kg) COUNTERWEIGHT, 38 REQ'D FOR 1,753,600 LB. (795 420 kg) COUNTERWEIGHT AND 44 REQ'D FOR 2,017,600 LB. (915 170 kg) COUNTERWEIGHT	44,000	19 958
	REAR SIDE CATWALK (EACH) WITH LADDER	560	254

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DESCRIPTION	WEIGHT	
	POUNDS	KILOGRAMS
MAST NO. 75 OR NO. 75/49A:		
25' (7.6m) MAST BUTT WITH GUIDE SHEAVES AND ROLLERS -----	27,515	12 481
25' (7.6m) MAST TOP WITH SHEAVES FOR 20 PART LINE -----	29,450	13 358
25' (7.6m) MAST TOP WITH SHEAVES FOR 32 PART LINE -----	30,035	13 624
20' (6.1m) NO. 49A INSERT -----	6,400	2 903
40' (12.2m) NO. 49A INSERT -----	11,500	5 216
50' (15.2m) NO. 75 INSERT -----	21,625	9 809
16'6-3/8" (5.0m) COUNTERWEIGHT STRAP (EACH) -----	1,990	903
48'4" (14.7m) COUNTERWEIGHT STRAP (EACH) -----	4,875	2 211
STRAP CONNECTOR LINKS (EACH SET) WITH PINS AND COLLARS -----	900	408
2'9-3/4" (0.9m) COUNTERWEIGHT STRAP (EACH) -----	1,270	576
13'4-9/16" (4.1m) BACKHITCH PENDANT LINK (EACH) -----	485	220
1'8" (0.5m) BACKHITCH PENDANT LINK (EACH) -----	115	52
10'1" (3.1m) BACKHITCH PENDANT (EACH) -----	270	122
30' (9.1m) BACKHITCH PENDANT (EACH) -----	445	202
40'3" (12.3m) BACKHITCH PENDANT (EACH) -----	520	236
SELF-ERECTING EQUALIZER WITH LINKS AND PINS -----	2,470	1 120
EQUALIZER PLATFORM -----	815	370
MAST STOP FRAME WITH LUGS -----	11,330	5 139
MAST STOP HYDRAULIC CYLINDER (EACH) WITH ROD END, PINS, FLUID -----	5,200	2 359
TOTAL WEIGHT MAST NO. 75/49A COMPLETE WITH BACKHITCH AND COUNTERWEIGHT STRAPS -----	114,125	51 766
TOTAL WEIGHT MAST NO. 75 COMPLETE WITH BACKHITCH AND COUNTERWEIGHT STRAPS -----	127,315	57 749
BOOM NO. 72:		
50' (15.2m) BUTT (SPLIT FOR SHIPPING) -----	20,875	9 469
3' (0.9m) TOP WITH WIRE ROPE GUIDE -----	26,140	11 857
25' (7.6m) INSERT (SPLIT FOR SHIPPING) -----	11,265	5 110
50' (15.2m) INSERT (SPLIT FOR SHIPPING) -----	20,015	9 079
50' (15.2m) TRANSITION INSERT (SPLIT FOR SHIPPING) -----	22,080	10 015
6'4-53/64" (2.0m) BASIC STRAP (EACH) WITH LIFTING BRACKETS -----	525	238
23'9" (7.2m) STRAP (EACH) WITH LIFTING BRACKETS -----	1,140	517
STRAP CONNECTOR LINKS (EACH SET) WITH PINS AND COLLARS -----	360	163
EQUALIZER WITH POLYAMIDE SHEAVES -----	5,855	2 656
EQUALIZER PLATFORM -----	4,400	1 996
MAIN BOOM POINT HANGER BLOCK - 1,433 TON (1 300t) -----	40,800	18 507
WIRE ROPE GUIDE (ON BUTT) -----	8,500	3 856
BOOM STOP (EACH TUBE) WITH CYLINDER AND ROD END -----	2,660	1 207
BOOM STOP ARM (EACH) WITH PINS -----	115	52
BOOM NO. 75A:		
50' (15.2m) BUTT WITH WIRE ROPE GUIDE, BOOM STOP FRAME AND PINS -----	33,430	15 164
50' (15.2m) TOP WITH WIRE ROPE GUIDE -----	35,840	16 257
25' (7.6m) INSERT -----	11,620	5 271
50' (15.2m) INSERT -----	21,625	9 809
50' (15.2m) HEAVY INSERT (NO. 75A) -----	22,760	10 324
28'1-37/64" (8.6m) BASIC STRAP (EACH) WITH LIFTING BRACKETS -----	1,055	479
23'9" (7.2m) STRAP (EACH) WITH LIFTING BRACKETS -----	830	376
48'9" (14.9m) STRAP (EACH) WITH LIFTING BRACKETS -----	1,610	730
STRAP CONNECTOR LINKS (EACH SET) WITH PINS AND COLLARS -----	225	102
EQUALIZER WITH POLYAMIDE SHEAVES -----	5,625	2 551
EQUALIZER SUPPORT -----	545	247
MAIN BOOM POINT HANGER BLOCK - 882 TON (800t) -----	22,700	10 297
WIRE ROPE GUIDE (ON BUTT) -----	5,135	2 329
BOOM STOP (EACH TUBE) WITH CYLINDER AND ROD END -----	2,660	1 207
BOOM STOP ARM (EACH) WITH PINS -----	115	52
BOOM NO. 72/75A - ADDITIONAL COMPONENTS:		
3' (0.9m) NO. 72 TO NO. 75 BOOM ADAPTOR FRAME WITH WIRE ROPE GUIDE -----	7,500	3 402



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DESCRIPTION	WEIGHT	
	POUNDS	KILOGRAMS
JIB NO. 78:		
50' (15.2m) BUTT -----	24,230	10 991
HINGE PIN (EACH) WITH KEEPER -----	260	118
50' (15.2m) TOP WITH WIRE ROPE GUIDE -----	36,560	16 583
25' (7.6m) INSERT -----	11,620	5 271
50' (15.2m) INSERT -----	21,625	9 809
28'1-37/64" (8.6m) BASIC STRAP (EACH) WITH LIFTING BRACKETS -----	1,070	485
11'3" (3.4m) STRAP (EACH) WITH LIFTING BRACKETS -----	445	202
23'9" (7.2m) STRAP (EACH) WITH LIFTING BRACKETS -----	870	395
29'3-11/16" (8.9m) STRAP (EACH) WITH LIFTING BRACKETS -----	1,235	560
48'9" (14.9m) STRAP (EACH) WITH LIFTING BRACKETS -----	1,725	782
ADJUSTABLE LINK (EACH) WITH PINS -----	1,760	798
STRAP CONNECTOR LINK (EACH SET) WITH PINS AND COLLARS -----	225	102
MAIN POINT HANGER BLOCK - 882 TON (800t) -----	22,700	10 297
JIB STOP TUBE (EACH) WITH PINS -----	2,500	1 134
40' (12.2m) STRUT BUTT (NO. 44 BOOM) -----	8,605	3 903
40' (12.2m) STRUT INSERT (NO. 44 BOOM) -----	5,505	2 497
2'6" (0.8m) STRUT CAP WITH HANDLING LINK, SHACKLES, 3'1" (0.9m) LINKS, CROSS TIE LINK AND PINS -----	6,585	2 987
5'6-3/4" (1.7m) LINK (EACH) WITH PINS -----	515	234
2'10-31/32" (0.9m) LINK (EACH) WITH PIN -----	280	127
SPREADER LINK -----	1,510	685
RINGER OPTIONS:		
AUXILIARY POWER PLANT WITH CATWALK -----	14,185	6 434
FRONT RINGER DRUM -----	16,000	7 257
LAGGING (EACH) REAR OR FRONT RINGER DRUM - FOR 1-5/8" (42 mm) WIRE ROPE -----	3,600	1 633
OUTSIDE SWINGER (EACH) -----	2,140	971
TRAVEL ASSIST ARRANGEMENT AND HARDWARE (WITHOUT PENDANTS) -----	1,420	644
19'2-1/2" (5.9m) PENDANT (EACH) TRAVEL ASSIST -----	420	191
15'10-1/4" (4.8m) PENDANT (EACH) TRAVEL ASSIST -----	60	27
BOOM AND JIB OPTIONS:		
EQUALIZER WITH STEEL SHEAVES - 20 PART REEVING -----	10,000	4 536
EQUALIZER WITH STEEL SHEAVES - 32 PART REEVING -----	15,000	6 804
MAIN BOOM POINT HANGER BLOCK - 882 TON (800t) BOOM NO. 72 -----	22,700	10 297
1,433 TON (1 300t) LOAD BLOCK WITH SWIVEL HOOK -----	100,200	45 450
882 TON (800t) LOAD BLOCK WITH SWIVEL HOOK -----	89,000	40 370
WIRE ROPE:		
BOOM HOIST - 1" (26 mm) WIRE ROPE - 1.85 LBS. PER FT. (2.75 kg/m)		
20 PART - 5,500' (1 676m) -----	10,175	4 615
32 PART - 9,000' (2 743m) -----	16,650	7 552
MAST HOIST - 1.212' (369m) OF 1" (26 mm) WIRE ROPE - 1.85 LBS. PER FT. (2.75 kg/m) -----	2,240	1 016
LOAD LINES - 1-5/8" (42 mm) WIRE ROPE - 4.88 LBS. PER FT. (7.26 kg/m)		
REAR DRUM HOIST LINE - 6,500' (1 981m) -----	31,720	14 388
FRONT DRUM HOIST LINE - 6,500' (1 981m) -----	31,720	14 388