

MANITOWOC ENGINEERING CO.

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



CRANE WEIGHTS

M-250 WITH MAX-ER 175 WITH MAX-ER 225 WITH MAST - 130 FT.

NOTE: WEIGHTS MAY FLUCTUATE ± 3% DUE TO MANUFACTURING TOLERANCES

DESCRIPTION:

WEIGHT
POUNDS KILOGRAMS

LIFTCRANE:

UPPERWORKS AND LOWERWORKS COMPLETE, 2 SWING DRIVES, COUNTERWEIGHT, GANTRY, BACKHITCH, MAX-ER, 130' (39.6m) MAST, FULLY RIGGED 140' (42.7m) BOOM NO. 49A-44 WITH HEAVY LIFT TOP (INCLUDING UPPER BOOM POINT, 300 TON (272t) BLOCK AND 15 TON (14t) HOOK AND WEIGHT BALL), BOOM STOPS, AND LOAD LINES

M-250 WITH MAX-ER 175	803,580	364,497
M-250 WITH MAX-ER 225	854,480	387,585
M-250 WITH MAST - 130 FT.	629,500	285,536

COUNTERWEIGHT - CRANE:

LOWER TRAY	30,000	13,608
LOWER TRAY LINK	250	113
LOWER LEFT	10,000	4,536
LOWER RIGHT	10,000	4,536
UPPER TRAY	30,600	13,880
UPPER TRAY SUPPORT (EACH)	570	259
UPPER CENTER	10,000	4,536
UPPER LEFT (3 REQUIRED) EACH	10,750	4,876
UPPER RIGHT (3 REQUIRED) EACH	10,750	4,876
TOP LEFT	10,750	4,876
TOP RIGHT	10,750	4,876
UPPER POWER PIN WITH CYLINDER (EACH)	30	14
LOWER POWER PIN WITH CYLINDER (EACH)	20	9
COUNTERWEIGHT HANDLING ARRANGEMENT	700	318
TOTAL UPPERWORKS COUNTERWEIGHT (MAX-ER 175 AND MAX-ER 225 EQUIPPED)	176,000	79,832

COUNTERWEIGHT - HANGING (MAX-ER 175):

TRAY	15,000	6,804
COUNTERWEIGHT BOX (EACH) 8 REQUIRED	20,000	9,072

COUNTERWEIGHT - HANGING (MAX-ER 225):

HANDLING FRAME	5,315	2,411
COUNTERWEIGHT SUPPORT FRAME	28,900	13,109
COUNTERWEIGHT BOX (EACH) 9 REQUIRED	20,000	9,072
COUNTERWEIGHT BOX - 1 REQUIRED	10,000	4,536
PENDANT 6'0" (1.8m) (EACH) 4 REQ'D	170	77
PIN (EACH) 4 REQ'D (PENDANT TO SUPPORT FRAME)	25	11

COUNTERWEIGHT - WHEELED (MAX-ER 225):

COUNTERWEIGHT BOX (EACH) 6 REQUIRED	20,000	9,072
COUNTERWEIGHT BOX	10,000	4,536
COUNTERWEIGHT BOX	8,650	3,924
TOP LEFT SIDE COUNTERWEIGHT BOX	10,750	4,876
TOP RIGHT SIDE COUNTERWEIGHT BOX	10,750	4,876
LOWER CENTER COUNTERWEIGHT BOX	18,400	8,346
WHEELED COUNTERWEIGHT CARRIER ASS'Y	25,600	11,612
COUNTERWEIGHT SUPPORT FRAME	28,900	13,109
LINK - REAR (EACH) 2 REQ'D	290	132
PIN (EACH) 2 REQ'D (REAR LINK)	55	25
LINK - FRONT	1,520	689
ALIGNING BRACKET (EACH) 4 REQ'D	10	5
LIFTING BEAM	170	77
PENDANT 4'9" (1.4m) (EACH) 4 REQ'D	35	16
PIN (EACH) 4 REQ'D (PENDANT)	10	5
PENDANT 7'4" (2.2m) (EACH) 2 REQ'D	105	48

COUNTERWEIGHT - CARBODY:

CARBODY (2 REQUIRED) EACH	30,000	13,608
---------------------------	--------	--------

MANITOWOC ENGINEERING CO.

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



CRANE WEIGHTS

M-250 WITH MAX-ER 175 WITH MAX-ER 225 WITH MAST - 130 FT.

NOTE: WEIGHTS MAY FLUCTUATE ± 3% DUE TO MANUFACTURING TOLERANCES

DESCRIPTION:

WEIGHT
POUNDS KILOGRAMS

MAST ASSEMBLY - 130 FT. (39.6m):

40' (12.2m) BUTT	8,605	3,903
40' (12.2m) TOP WITH SHEAVES IN POINT, LINKS AND STRAPS	18,365	8,330
10' (3.0m) INSERT	1,850	839
40' (12.2m) INSERT	5,540	2,513
BACKHITCH TOP (EACH)	3,000	1,361
BACKHITCH BUTT (EACH)	3,440	1,560
BACKHITCH INSERT (EACH)	4,160	1,887
MAST AND BOOM ADAPTOR	2,800	1,270
WIRE ROPE GUIDE - MOUNTED ON MAST AND BOOM ADAPTOR	5,300	2,404
COUNTERWEIGHT ADAPTOR	3,740	1,696
STRAP - LOWER BACKHITCH (EACH) WITH PIN	275	125
BACKHITCH ADAPTOR (COMPLETE)	2,260	1,025
PENDANT LINK (EACH) WITH PIN	120	54
PENDANT 39'6" (12.0m) (EACH)	665	302
PENDANT 28'10-5/8" (8.8m) (EACH) (MAX-ER 175)	110	50
PENDANT 28'10-5/8" (8.8m) (EACH) (MAX-ER 225)	140	64
PENDANT 11'10-1/8" (3.6m) (EACH) (MAX-ER 175)	65	29
PENDANT 11'10-1/8" (3.6m) (EACH) (MAX-ER 225)	90	41
PENDANT 46'8-5/8" (14.2m) (EACH) (MAX-ER 175)	150	68
PENDANT 46'8-5/8" (14.2m) (EACH) (MAX-ER 225)	190	86
PENDANT LINK (EACH)	75	34
LINK - ATTACHED TO EQUALIZER (EACH) WITH PIN	160	73
EQUALIZER WITH PINS (MAX-ER 175)	405	184
EQUALIZER WITH PINS (MAX-ER 225)	560	254
EQUALIZER FRAME (MAX-ER 175)	1,280	581
EQUALIZER FRAME (MAX-ER 225)	1,525	692
CYLINDER (MAX-ER 175)	760	345
CYLINDER (MAX-ER 225)	845	383
LINK - EQUALIZER FRAME TO CTWT. SUPPORT BEAM (EACH) WITH PIN	175	79
COUNTERWEIGHT SUPPORT BEAM	2,145	973
STRUT	740	336

BOOM NO. 49A-44

40' (12.2m) BUTT - NO. 49A	12,075	5,477
30' (9.1m) TOP - NO. 44 WITH LOWER POINT AND WIRE ROPE GUIDE	11,330	5,139
30' (9.1m) TRANSITION INSERT - NO. 49A-44	7,070	3,207
20' (6.1m) INSERT - NO. 44	3,185	1,445
40' (12.2m) INSERT - NO. 49A	10,700	4,853
40' (12.2m) INSERT - NO. 44	5,505	2,497
20'1-1/2" (6.1m) PENDANT (EACH)	185	84
40'3" (12.3m) PENDANT (EACH)	260	118
UPPER BOOM POINT (SINGLE SHEAVE)	905	411
WIRE ROPE GUIDE (ON BUTT)	3,255	1,476
EQUALIZER (POLYAMIDE SHEAVES)	1,705	773
PENDANT LINKS (ATTACHED TO EQUALIZER)	765	347
BOOM STOP (EACH TUBE)	1,150	522
BOOM STOP SUPPORT BEAM	1,450	658

MANITOWOC ENGINEERING CO.

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



CRANE WEIGHTS

M-250 WITH MAX-ER 175 WITH MAX-ER 225 WITH MAST - 130 FT.

NOTE: WEIGHTS MAY FLUCTUATE ± 3% DUE TO MANUFACTURING TOLERANCES

DESCRIPTION:

WEIGHT
POUNDS KILOGRAMS

JIB NO. 132:

20' (6.1m) BUTT	860	390
20' (6.1m) TOP WITH JIB POINT SHEAVES	1,870	848
20' (6.1m) INSERT	815	370
40' (12.2m) BASIC PENDANT (EACH)	175	79
19'2" (5.8m) PENDANT (EACH)	115	52
JIB STOP PENDANT AND LINK (EACH)	35	16
20' (6.1m) STRUT WITH SHEAVE AND LINKS	1,360	617
69'9" (21.3m) BACKSTAY PENDANT (EACH)	255	116
7'4" (2.2m) BACKSTAY PENDANT (EACH)	80	36
BACKSTAY LINK (EACH)	65	29
BACKSTAY SUPPORT (EACH)	315	143

LUFFING JIB NO. 133/133A:

30' (9.1m) BUTT	3,130	1,420
40' (12.2m) TOP WITH LOWER POINT, UPPER POINT ROLLER AND WIRE ROPE GUIDE	7,445	3,377
10' (3.0m) INSERT	965	438
20' (6.1m) INSERT	1,770	803
40' (12.2m) INSERT	3,260	1,479
PENDANT RATCHET LINK (EACH)	135	61
71'3" (21.7m) BASIC PENDANT (EACH)	385	175
10'1" (3.1m) PENDANT (EACH)	130	59
20'1-1/2" (6.1m) PENDANT (EACH)	185	84
40'3" (12.3m) PENDANT (EACH)	260	118
JIB STRUT WITH GUIDE SHEAVE, LUFFING SHEAVES AND LINKS	4,425	2,007
MAIN STRUT WITH LUFFING SHEAVES, LINKS AND STRUT SUPPORT BEAM	4,635	2,102
LUFFING WIRE ROPE GUIDE	975	442
LUFFING WIRE ROPE GUIDE BEAM WITH PINS	235	107
73'6" (22.4m) BASIC BACKSTAY PENDANT (EACH)	395	179
BACKSTAY RATCHET LINK (EACH)	185	84
BACKSTAY PIN IN BOOM BUTT (EACH)	285	129
STRUT STOP TUBE WITH PINS (EACH)	55	25
STRUT STOP SUPPORT BEAM (ON BOOM)	135	61
25'9" (7.8m) STRUT HANDLING PENDANT (EACH)	30	14
STRUT HANDLING LINK WITH PIN (ON MAIN STRUT) EACH	5	2
STRUT HANDLING LINK, WEDGE SOCKET AND PINS	45	20
JIB STOP TUBE ASSEMBLY	415	188
30' (9.1m) JIB STOP PENDANT (EACH)	110	50
11'2" (3.4m) JIB STOP PENDANT (EACH)	75	34

BOOM NO. 49A-44 OPTIONS:

300 TON (272t) LOAD BLOCK WITH SWIVEL HOOK	8,000	3,629
60 TON (55t) LOAD BLOCK WITH WEIGHT PLATES	4,425	2,007
30 TON (27t) LOAD BLOCK WITH WEIGHT PLATES	2,000	907
15 TON (14t) HOOK AND WEIGHT BALL (SWIVEL)	1,250	567

WIRE ROPE (49A-44 BOOM):

BOOM HOIST - 2,150' (655m) OF 1" (26 mm) WIRE ROPE - 1.85 LBS. PER FT. (2.75 kg/m)	3,980	1,805
LOAD LINES - 1-1/8" (28.6 mm) WIRE ROPE - 2.70 LBS. PER FT. (4.02 kg/m)		
HOIST LINE - 3,525' (1,074m)	9,520	4,318
WHIP LINE - 1,950' (594m)	5,265	2,388

REFERENCE ONLY!