

Crane Weights

MLC650

Note: Weights may fluctuate $\pm 3\%$ due to manufacturing tolerances

Weight
Kilograms Pounds

LIFTCRANE:

Rotating bed, adapter frame, and carbody assemblies including removable platforms, 2 crawlers with 1 524 mm (60 in.) pads, counterweight tray, counterweight boxes, 11,0 m (36.1 ft) live mast, boom hoist (Drum 4) with 610 m (2,001 ft) of rope and gantry assembly.

-with fully rigged 32,0 m (105.0 ft) Boom No. B10:680 with boom straps, load hoist (Drum 1) with 1 143 m (3,750 ft) of rope, upper boom point, and 625 t (689 T) block

MLC650 SERIES 1 - - - - -	447 326	986,184
MLC650 SERIES 2 - - - - -	547 326	1,206,646
MLC650 SERIES 3 - - - - -	647 326	1,427,108

ROTATING BED ASSEMBLY:

Rotating bed, Tier 4 Cummins QSX 15L power plant with cold weather kit, hydraulic reservoir (full), fuel tank (half full) with fast fill, operator cab, rigging winch prep, self erecting pin pullers and VPC camera

Rotating bed and operator cab platform assembly (removable portions)- - - - -	32 369	71,361
	539	1,189

LIVE MAST WITH BOOM HOIST AND GANTRY:

11,0 m (36.1 ft) mast with sheaves, straps, and raising cylinders - - - - -	10 834	23,885
Boom Hoist (Drum 4) without rope - - - - -	6 025	13,283
610 m (2,001 ft) of 32,0 mm (1.26 in.) wire rope - 5,85 kg/m (3.93 lb/ft) - - - - -	3 569	7,868
Gantry assembly with upper backhitch links - - - - -	5 768	12,716
Self assembly cylinder (live mast) - - - - -	741	1,633

COUNTERWEIGHT:

Counterweight tray drive trolley with hose chain - - - - -	20 000	44,092
Counterweight box (each) (18 on SERIES 1, 28 on SERIES 2, 38 on SERIES 3) - - - - -	10 000	22,046
Total upperworks counterweight:		
MLC650 SERIES 1 - - - - -	200 000	440,924
MLC650 SERIES 2 - - - - -	300 000	661,386
MLC650 SERIES 3 - - - - -	400 000	881,848

ROTATING BED AND ADAPTER FRAME OPTIONS:

Upperworks jacks - - - - -	5 967	13,156
Whip Hoist (Drum 3) without rope including rotating bed prep- - - - -	3 365	7,418
615 m (2,018 ft) of 28 mm (1.10 in.) wire rope - 3,91 kg/m (2.63 lb/ft) - - - - -	2 405	5,302
Drum 2 Prep - - - - -	186	409
VPC-MAX prep (3rd swing drive) including rotating bed prep - - - - -	1 011	2,229
Rotating bed alignment pendants (2)- - - - -	136	299
Auxiliary power unit with rotating bed prep - - - - -	986	2,173
Luffing jib prep - - - - -	131	289

ADAPTER FRAME WITH CARBODY:

Rotating bed adapter frame with pin pullers, bearing turntable, 2 swing drives, and carbody- - - - -	41 494	91,478
Carbody platform assembly (removable) - - - - -	1 190	2,623

CRAWLERS:

11,1 m (36.4 ft) crawler assembly with 1 524 mm (60 in.) wide crawler pads, drive shafts, and handling arms (each) - - - - -	38 880	85,715
Set of fifty-five 1 524 mm (60 in.) wide crawler pads and pins - - - - -	16 894	37,244
11,1 m (36.4 ft) crawler assembly with 2 032 mm (80 in.) wide crawler pads, drive shafts, and handling arms (each) - - - - -	46 806	103,188
Set of fifty-five 2 032 mm (80 in.) wide crawler pads and pins - - - - -	24 840	54,762

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CARBODY OPTIONS:		
Carbody pedestals- - - - -	395	870
Carbody jacks - - - - -	3 226	7,113
INSERT NO. 680:		
10,0 m (32.8 ft) top with straps, 8 sheave pack lower point, and wire rope guide - - - - -	16 383	36,117
4 sheave pack lower point right- - - - -	1 055	2,325
4 sheave pack upper point left - - - - -	1 055	2,325
Rigging winch wire rope guide (2) - - - - -	48	106
Luffing Jib equip and luffing jib prep - - - - -	298	656
12,0 m (39.4 ft) intermediate suspension insert (medium) with boom straps and suspenders (2) - - - - -	7 945	17,516
Jib backstays 12,0 m (39.4 ft) - - - - -	991	2,185
12,0 m (39.4 ft) insert (heavy) with boom straps - - - - -	6 974	15,374
Jib backstays 12,0 m (39.4 ft) - - - - -	991	2,185
12,0 m (39.4 ft) equalizer insert (heavy) with boom straps- - - - -	9 598	21,161
Jib backstays 12,0 m (39.4 ft) - - - - -	991	2,185
6,0 m (19.7 ft) insert (heavy) with boom straps - - - - -	5 104	11,253
Jib backstays 6,0 m (19.7 ft) - - - - -	570	1,257
12,0 m (39.4 ft) insert (heavy) with boom straps - - - - -	8 743	19,274
Jib backstays 12,0 m (39.4 ft) - - - - -	991	2,185
12,0 m (39.4 ft) insert (extra heavy) with boom straps- - - - -	10 600	23,370
Jib backstays 12,0 m (39.4 ft) - - - - -	991	2,185
12,0 m (39.4 ft) insert (extra heavy) with sheave frames, cable reel, ladder, and boom straps - - - - -	11 122	24,519
Luffing Jib wire rope guides (2)- - - - -	460	1,015
Jib backstays 12,0 m (39.4 ft) - - - - -	991	2,185
4,0 m (13.1 ft) insert (extra heavy) with boom straps and wire rope guide (single sheave) - - - - -	6 631	14,619
Load Hoist (Drum 2) with wire rope guide, without rope - - - - -	4 403	9,707
1 143 m (3,750 ft) of 32,0 mm (1.26 in.) wire rope - 5,56 kg/m (3.74 lb/ft) - - - - -	6 362	14,026
966 m (3,169 ft) of 32,0 mm (1.26 in.) wire rope - 5,56 kg/m (3.74 lb/ft) - - - - -	5 376	11,852
Wire rope guide (Drum 3) - - - - -	220	485
Jib backstays 4,0 m (13.1 ft) - - - - -	335	739
6,0 m (19.7 ft) butt with boom stops, pedestals, and alignment features - - - - -	8 560	18,871
Load Hoist (Drum 1) without rope- - - - -	3 793	8,362
1 143 m (3,750 ft) of 32,0 mm (1.26 in.) wire rope - 5,56 kg/m (3.74 lb/ft) - - - - -	6 362	14,026
966 m (3,169 ft) of 32,0 mm (1.26 in.) wire rope - 5,56 kg/m (3.74 lb/ft) - - - - -	5 376	11,852
Luffing Jib Hoist (Drum 6) without rope - - - - -	3 676	8,104
793 m (2,602 ft) of 28 mm (1.10 in.) wire rope - 3,91 kg/m (2.63 lb/ft) - - - - -	3 101	6,837
Rigging winch with rope and wire rope guide (2) - - - - -	511	1,126
Jib backstays 0,7 m (2.3 ft)- - - - -	171	376
INSERT NO. 685:		
12,0 m (39.4 ft) transition insert (extra heavy) with sheave frames and cable reel (680-685) - - - - -	10 590	23,347
Luffing jib wire rope guides (2) - - - - -	460	1,015
Jib backstays 12,0 m (39.4 ft) - - - - -	991	2,185
12,0 m (39.4 ft) insert (extra heavy) with boom straps- - - - -	11 277	24,861
Jib backstays 12,0 m (39.4 ft) - - - - -	991	2,185
12,0 m (39.4 ft) equalizer insert (extra heavy) with boom straps - - - - -	9 992	22,028
Jib backstays 12,0 m (39.4 ft) - - - - -	991	2,185
12,0 m (39.4 ft) transition insert (extra heavy) with boom straps (685-680)- - - - -	11 277	24,861
Jib backstays 12,0 m (39.4 ft) - - - - -	991	2,185
Dropdown intermediate suspension beam and suspenders (2) - - - - -	870	1,919

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INSERT NO. 681-682:

For Luffing Jib Configurations:

2,0 m (6.6 ft) top with straps (without load links), 8 sheave pack lower point, and wire rope guide - -	7 556	16,658
Auxiliary shafts with dead ends (2) - - - - -	189	417
Auxiliary shafts with dead ends (2) and sheaves (4) - - - - -	461	1,017
6,0 m (19.7 ft) butt with jib stops and pedestals - - - - -	5 711	12,591
Strut shipping assembly with 3,0 m (9.8 ft) main strut top and 4,75 m (15.6 ft) jib strut top - - - - -	6 827	15,050
3,0 m (9.8 ft) main strut top with jib backstays and sheaves- - - - -	3 660	8,070
4,75 m (15.6 ft) jib strut top with sheaves- - - - -	3 166	6,980
Strut shipping assembly with 12,0 m (39.4 ft) main strut butt and 12,0 m (39.4 ft) jib strut butt - - -	9 747	21,488
12,0 m (39.4 ft) main strut butt, main strut stops, jib backstays, and jib strap spreader - - - - -	6 390	14,088
12,0 m (39.4 ft) jib strut butt with sheaves (3)- - - - -	3 357	7,400

For Extended Upper Boom Point Configurations:

1,0 m (3.3 ft) cap with boom strap links and wire rope guide - - - - -	3 485	7,682
2 sheave pack lower point - - - - -	468	1,032
7,6 m (24.9 ft) extended upper boom point - - - - -	5 522	12,175

Common 681-682 Components:

6,0 m (19.7 ft) insert with jib straps (682)- - - - -	2 899	6,391
12,0 m (39.4 ft) insert with jib straps (682) - - - - -	5 117	11,282
12,0 m (39.4 ft) intermediate suspension insert with jib straps and suspenders (682) - - - - -	5 839	12,873
6,0 m (19.7 ft) transition insert with jib straps (includes load links, 681-682) - - - - -	4 297	9,474
3,0 m (9.8 ft) insert with jib straps (681) - - - - -	2 087	4,601
6,0 m (19.7 ft) insert with jib straps (681)- - - - -	3 372	7,435
12,0 m (39.4 ft) insert with jib straps (681) - - - - -	5 674	12,508
12,0 m (39.4 ft) transition insert with jib straps (680-681) - - - - -	6 064	13,368

FIXED JIB NO. 148:

6,0 m (19.7 ft) jib butt shipping assembly with strut, stop and hinge pins - - - - -	2 519	5 554
Jib butt with hinge pins, stop assembly and rigging - - - - -	1 288	2,839
Jib strut - - - - -	678	1,495
Spreader assembly - - - - -	67	148
7,11 m (23.3 ft) frontstay pendant (each) - - - - -	66	146
Frontstay link (each)- - - - -	34	75
Offset angle backstay link (each) - - - - -	44	97
6,02 m (19.8 ft) backstay pendant (each)- - - - -	73	162
4,88 m (16.0 ft) raising pendants with link - - - - -	51	112
6,0 m (19.7 ft) insert with pendants - - - - -	570	1,257
5,65 m (18.5 ft) frontstay pendant (each) - - - - -	59	130
12,0 m (39.4 ft) insert with pendants - - - - -	993	2,189
11,31 m (37.1 ft) frontstay pendant (each) - - - - -	88	195
6,0 m (19.7 ft) top with pendants- - - - -	1 166	2,571
5,39 m (17.7 ft) frontstay pendant (each)- - - - -	58	127
0,65 m (2.1 ft) top strap assembly with load links - - - - -	50	110

BOOM OPTIONS:

Upper point assembly with four wheels - - - - -	1 019	2,247
700 t (772 T) load block (17 sheaves) - - - - -	14 061	31,000
625 t (689 T) load block (14 sheaves) - - - - -	13 910	30,666
450 t (496 T) load block (10 sheaves) - - - - -	12 070	26,610
325 t (358 T) load block (7 sheaves) - - - - -	8 890	19,599
225 t (248 T) load block (5 sheaves) - - - - -	7 275	16,039
160 t (176 T) load block (3 sheaves) - - - - -	5 559	12,255
135 t (149 T) load block (3 sheaves) - - - - -	5 559	12,255
100 t (110 T) load block (3 sheaves) - - - - -	3 974	8,761
22,2 t (24.5 T) weight ball and swivel - - - - -	1 095	2,414

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MISCELLANEOUS COMPONENTS:		
Parts boxes - - - - -	714	1,574
Drum 2 prep - - - - -	86	189
Drum 3 prep - - - - -	86	189
Auxiliary power unit prep - - - - -	44	97
Upper point prep - - - - -	18	40
Encapsulating sheave - - - - -	579	1,277

REFERENCE ONLY!

Crane Weights

MLC650 VPC-MAX

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Weight
Kilograms Pounds

LIFTCRANE:

Rotating bed, adapter frame, and carbody assemblies including removable platforms, 2 crawlers with 1 524 mm (60 in.) pads, VPC-MAX, counterweight tray, counterweight boxes, 11,0 m (36.1 ft) live mast, boom hoist (Drum 4) with 610 m (2,001 ft) of rope, 36,0 m (118.1 ft) Mast No. 10:684 with straps, boom hoist (Drum 5) with 1 220 m (4,002 ft) of rope and gantry assembly.

-with fully rigged 44,0 m (144.4 ft) Boom No. 60:680 with boom straps, load hoist (Drum 1) with 1 143 m (3,750 ft) of rope, upper boom point and 700 t (772T) block

MLC650 SERIES 1 - - - - -	526 942	1,161,710
MLC650 SERIES 2 - - - - -	626 942	1,382,170
MLC650 SERIES 3 - - - - -	726 942	1,602,630

VPC-MAX:

Trolley assembly - - - - -	6 305	13,900
Beam assembly with pin puller and links - - - - -	21 319	47,000
Auxiliary Member Assembly - - - - -	4 286	9,450
Auxiliary frame with ladder - - - - -	1 315	2,900
Auxiliary pad with pins - - - - -	2 971	6,550

MAST NO. M10:684 OR M11:684:

Mast butt/top shipping assembly - - - - -	24 857	54,800
6,0 m (19.7 ft) mast top with sheaves, wire rope guide, pedestals and straps - - - - -	8 346	18,400
6,0 m (19.7 ft) mast butt with straps, mast stops, boom hoist drum without rope - - - - -	9 890	21,803
1 220 m (4,002 ft) of 28,0 mm (1.10 in.) wire rope - 3,91 kg/m (2.63 lb/ft) - - - - -	4 781	10,540
Equalizer with sheaves and links - - - - -	1 840	4,057
12,0 m (39.4 ft) lower insert with straps - - - - -	5 897	13,000
12,0 m (39.4 ft) upper insert with straps - - - - -	6 192	13,650

REFERENCE ONLY!