

Crane Weights

MLC300

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

Weight
Kilograms Pounds

LIFTCRANE:

Rotating bed with carbody complete, 2 crawlers with 1,22 m (48 in) pads, Variable Position Counterweight tray and trolley assembly (VPC), counterweight boxes, 9,14 m (30.0 ft) live mast, 22,2 t (24.5 T) hook and weight ball, boom stops and load lines. With fully rigged 30,0 m (98.4 ft) Boom No. B10:500, standard upper boom point, and 318 t (350 T) block.

MLC300 SERIES 1 VPC- - - - -	265 262	584,802
MLC300 SERIES 2 VPC- - - - -	305 261	672,986
MLC300 SERIES 3 VPC- - - - -	345 261	761,170

ROTATING BED ASSEMBLY WITH CARBODY:

Rotating bed rear section with bearing turntable and carbody complete, carbody jacks, 1 swing drive, Cummins QSG12 or MTU 1300 Series power plant, hydraulic reservoir (full), fuel tank (half full) and operator cab - - - - -

	42 048	92,699
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CRAWLERS:

9,70 m (31.8 ft) crawler assembly (each) with drive, pads, handling arms with shackles (3)
 with 1,22 m (48 in.) wide crawler pads - - - - -
 with 1,52 m (60 in.) wide crawler pads - - - - -

	22 702	50,050
	27 384	60,372

COUNTERWEIGHT (Variable Position):

Counterweight tray with pins, pendants and chains - - - - -
 Counterweight tray drive trolley with hose chain - - - - -
 Counterweight frame (each) - - - - -
 Counterweight box (each) (6 on SERIES 0, 12 on SERIES 1, 16 on SERIES 2, 20 on SERIES 3) - -
 Total upperworks counterweight:

	9 861	21,740
	3 142	6,927
	1 170	2,579
	10 000	22,046
MLC300 SERIES 0 - - - - -	75 200	165,800
MLC300 SERIES 1 - - - - -	135 200	298,100
MLC300 SERIES 2 - - - - -	175 200	386,200
MLC300 SERIES 3 - - - - -	215 200	474,400

COUNTERWEIGHT (Fixed Position):

Counterweight tray with pendants and chains - - - - -
 Counterweight tray retainer (2) with bolts - - - - -
 Counterweight box (each) (6 on SERIES 0, 12 on SERIES 1, 16 on SERIES 2, 18 on SERIES 3) - -
 Total upperworks counterweight:

	20 105	44,325
	118	261
	10 000	22,046
MLC300 SERIES 0 - - - - -	80 200	176,900
MLC300 SERIES 1 - - - - -	140 200	309,100
MLC300 SERIES 2 - - - - -	180 200	397,300
MLC300 SERIES 3 - - - - -	200 200	441,400

9,14 m (30.0 ft) LIVE MAST:

9,14 m (30.0 ft) mast with equalizer, straps, and assembly cylinder - - - - -
 Hoist Drum 4 without rope - - - - -

	5 567	12,274
	2 028	4,471

MACHINE OPTIONS:

Hoist Drum 2 without rope - - - - -
 Hoist Drum 3 without rope - - - - -
 Swing drive assembly (2nd) - - - - -

	2 761	6,088
	2 761	6,088
	596	1,314

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	Weight	
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INSERT NO. 500		
8,0 m (26.2 ft) butt with rigging winch (Drum 0) - - - - -	5 769	12,719
Load Hoist (Drum 1) without rope- - - - -	2 623	5,783
Auxiliary Hoist (Drum 6) without rope - - - - -	2 248	4,955
12,0 m (39.4 ft) insert with sheaves and boom straps (heavy)- - - - -	5 645	12,444
Jib backstays 12,0 m (39.4 ft) - - - - -	467	1,030
6,0 m (19.7 ft) insert with boom straps (medium)- - - - -	2 365	5,214
Jib backstays 6,0 m (19.7 ft) - - - - -	261	575
12,0 m (39.4 ft) equalizer insert with boom straps (medium)- - - - -	4 497	9,915
Jib backstays 12,0 m (39.4 ft) - - - - -	467	1,030
12,0 m (39.4 ft) insert with boom straps (medium) - - - - -	3 825	8,433
Jib backstays 12,0 m (39.4 ft) - - - - -	467	1,030
3,0 m (9.8 ft) insert with boom straps (medium)- - - - -	1 470	3,240
12,0 m (39.4 ft) intermediate suspension insert with boom straps (light) - - - - -	3 816	8,413
Jib backstays 12,0 m (39.4 ft) - - - - -	467	1,030
12,0 m (39.4 ft) insert with boom straps (light) - - - - -	3 478	7,668
Jib backstays 12,0 m (39.4 ft) - - - - -	467	1,030
10,0 m (32.8 ft) top with straps - - - - -	6 109	13,469
Lower point with center sheave pack - - - - -	1 475	3,251
Outer 2 sheave packs (total) - - - - -	478	1,054
Dropdown intermediate suspension beam (without pendants)- - - - -	147	325
Encapsulating sheave wire rope guide with beam- - - - -	540	1,190
<i>For Extended Upper Boom Point Configurations:</i>		
3,0 m (9.8 ft) cap with boom strap links and wire rope guide - - - - -	3 462	7,633
7,0 m (23 ft) extended upper boom point - - - - -	3 674	8,100
INSERT NO. 505		
12,0 m (39.4 ft) transition insert with sheaves and boom straps (500-505) (heavy)- - - - -	6 119	13,490
Jib backstays 12,0 m (39.4 ft) - - - - -	467	1,030
12,0 m (39.4 ft) equalizer insert with boom straps (heavy)- - - - -	4 835	10,660
Jib backstays 12,0 m (39.4 ft) - - - - -	467	1,030
12,0 m (39.4 ft) transition insert with boom straps (505-500) (heavy) - - - - -	4 712	10,390
Jib backstays 12,0 m (39.4 ft) - - - - -	467	1,030
12,0 m (39.4 ft) equalizer insert with boom straps (x-heavy)- - - - -	4 803	10,588
12,0 m (39.4 ft) insert with boom straps (x-heavy) - - - - -	4 820	10,626
Dropdown intermediate suspension beam (without pendants)- - - - -	184	405
Encapsulating sheave wire rope guide with beam- - - - -	559	1,233
INSERT NO. 501		
6,0 m (19.7 ft) butt with jib stops and hinge pins - - - - -	3 198	7,050
6,0 m (19.7 ft) transition insert with jib straps - - - - -	2 175	4,795
6,0 m (19.7 ft) insert with jib straps - - - - -	1 307	2,881
12,0 m (39.4 ft) insert with jib straps - - - - -	2 258	4,978
12,0 m (39.4 ft) intermediate suspension insert with jib straps - - - - -	2 650	5,842
12,0 m (39.4 ft) top with straps, lower point, and wire rope guide - - - - -	5 210	11,486
Strut shipping assembly - - - - -	8 160	17,990
Jib strut with sheaves, straps, and wire rope guide - - - - -	3 331	7,344
Main strut with sheaves, straps, wire rope guide, and main strut stops- - - - -	4 829	10,646

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	Weight	
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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 2 rollers - - - - -	782	1,725
318 t (350 T) load block (9 sheaves) - - - - -	7 893	17,400
250 t (276 T) load block (7 sheaves) - - - - -	3 259	7,184
170 t (187 T) load block (5 sheaves) - - - - -	2 564	5,652
100 t (110 T) load block (3 sheaves) - - - - -	2 110	4,651
41 t (45 T) load block (1 sheave) - - - - -	1 179	2,600
Weight ball swivel 22,2 t (24.5 T) - - - - -	1 095	2,413
WIRE ROPE:		
Mast Hoist (Drum 4)		
425 m (1,394 ft) of 26,0 mm (1.0 in) wire rope - 3,35 kg/m (2.25 lb/ft) - - - - -	1 382	3,047
Load Lines (Drum 1)		
950 m (3,117 ft) of 28,0 mm (1.1 in.) wire rope - 4,17 kg/m (2.8 lb/ft) - - - - -	3 962	8,734
Auxiliary Lines (Drum 2 & 3)		
460 m (1,509 ft) of 28,0 mm (1.1 in.) wire rope - 4,17 kg/m (2.8 lb/ft) - - - - -	1 918	4,229
Luffing Jib Hoist/Auxiliary Line (Drum 6)		
440 m (1,444 ft) of 28,0 mm (1.1 in.) wire rope - 4,17 kg/m (2.8 lb/ft) - - - - -	1 835	4,045
Boom Hoist VPC-MAX (Drum 5)		
600 m (1,968 ft) of 26,0 mm (1.024 in.) wire rope - 3,35 kg/m (2.25 lb/ft) - - - - -	2 009	4,430
VPC-MAX:		
Beam trolley assembly - - - - -	3 180	7,010
Beam assembly with pin puller and links - - - - -	12 846	28,320
Auxiliary Member Assembly - - - - -	1 619	3,570
Auxiliary frame - - - - -	676	1,490
Auxiliary pad with pins - - - - -	943	2,080

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COUNTERWEIGHT:

Counterweight tray with pins and pendants - - - - -	9 861	21,740
Counterweight tray drive trolley with hose chain - - - - -	2 869	6,324
Counterweight frame (each) - - - - -	1 170	2,579
Counterweight box (each) (12 on SERIES 1, 16 on SERIES 2, 20 on SERIES 3) - - - - -	10 000	22,046
Total upperworks counterweight:		
MLC300 SERIES 1 - - - - -	135 100	297,800
MLC300 SERIES 2 - - - - -	175 100	386,000
MLC300 SERIES 3 - - - - -	215 000	474,100

MAST NO. M10:503 OR M11:503:

Mast butt/top shipping assembly - - - - -	14 197	31,300
6,0 m (19.7 ft) mast top with sheaves, wire rope guide, pedestals and straps - - - - -	6 190	13,650
6,0 m (19.7 ft) mast butt with straps, mast stops, boom hoist drum without rope - - - - -	6 625	14,600
Equalizer with sheaves and links - - - - -	1 383	3,050
12,0 m (39.4 ft) lower insert with straps - - - - -	4 015	8,850
6,0 m (19.7 ft) upper insert with straps - - - - -	2 170	4,790

REFERENCE ONLY!