



Capacity enhancing attachment

The Manitowoc Company, Inc.

Manitowoc crane range

Pocket guide

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VPC-MAX®

Model	Capacity	Main boom	Fixed jib	Luffing jib
MLC300	330 USt	394 ft	–	295.3 ft + 315.0 ft
	300 t	120 m	92,0 m + 42,0 m	90 m + 96 m
MLC650	770 USt	459 ft	–	341 ft + 331 ft
	700 t	140 m	146,0 m + 36,0 m	104 m + 101 m

MLC300 VPC-MAX



MLC650 VPC-MAX











3.5 M WIDE BOOM KIT WITH VPC-MAX®

Model	Capacity	Main boom	Luffing jib max combination
MLC300	287 USt	394 ft	276 ft + 276 ft
	260 t	120 m	84 m + 84 m
MLC650	661 USt	479 ft	321 ft + 331 ft
	600 t	146 m	98 m + 101 m

MLC300 3.5 M BOOM



Crawler

Model	 Capacity	 Load moment	 Engine	 Main boom	 Long reach boom	 Fixed jib	 Luffing jib	 Standard line pull / line speed	Model
MLC80A-1	80 USt	2,672 kip-ft	330 Hp	200 ft	–	190 ft + 60 ft	–	27,600 lb / 410 fpm	MLC80A-1
	72,6 t	369.4 tonne-m	223 kW	61 m	–	58 m + 18.3 m	–	122 kN / 125 m/min	
MLC90A-1	90 USt	2,672 kip-ft	330 Hp	200 ft	–	190 ft + 60 ft	–	27,600 lb / 410 fpm	MLC90A-1
	81,6 t	369.4 tonne-m	223 kW	61 m	–	58 m + 18.3 m	–	122 kN / 125 m/min	
MLC100A-1	100 USt	2,679 kip-ft	330 Hp	200 ft	–	190 ft + 60 ft	–	27,600 lb / 410 fpm	MLC100A-1
	90,7 t	370.5 tonne-m	223 kW	61 m	–	58 m + 18.3 m	–	122 kN / 125 m/min	
MLC100-1	110 USt	2,679 ft-kips	300 Hp	200 ft	–	190 ft + 60 ft	–	27,600 lb / 410 fpm	MLC100-1
	100 t	370.5 tonne-m	223 kW	61 m	–	58 m + 18.3 m	–	122 kN / 125 m/min	
MLC150-1	165 USt	4,701 kip-ft	325 Hp	255.9 ft	–	216.5 ft + 80 ft	147.6 ft + 170 ft	29,600 lb / 480 fpm	MLC150-1
	150t	650 t-m	242 kW	78 m	–	66 m + 24.3 m	45 m + 51,8 m	13,430 kN / 146 m/min	
MLC165-1	182 USt	5,430 ft-kips	300 Hp	275 ft	–	226 ft + 80 ft	167 ft + 170 ft	27,560 lb / 440 fpm	MLC165-1
	165 t	760 tonne-m	239 kW	84 m	–	69 m + 24,4 m	51 m + 51,8 m	122 kN / 135 m/min	
MLC250	275 USt	8,268 ft-kips	340 Hp	290 ft	–	250 ft + 80 ft	180 ft + 240 ft	29,500 lb / 418 fpm	MLC250
	250 t	1 115 tonne-m	253 kW	88 m	–	76.2m + 24.4 m	54,9 m +73,2 m	13 381 kN / 127 m/min	
14000	220 USt	6,267 ft-kips	340 Hp	292 ft	–	243 ft + 80 ft	193.6 ft + 170 ft	31,500 lb / 460 fpm	14000
	200 t	865 tonne-m	253 kW	89 m	–	74 m + 24,4 m	59 m + 51,8 m	140 kN / 140 m/min	
MLC300	386 USt	15,515 ft-kips	450 Hp	335 ft	–	276 ft + 138 ft	177 ft + 315 ft	36,760 lb / 536 fpm	MLC300
	350 t	2 145 tonne-m	336 kW	102 m	–	84 m + 42 m	54 m + 96 m	163 kN / 163 m/min	
MLC650	716 USt	29,796 ft-kips	600 Hp	341 ft	–	302 ft + 138 ft	184 ft + 331 ft	48,800 lb / 563 fpm	MLC650
	650 t	4 119 tonne-m	447 kW	104 m	–	92,0 m + 42,0 m	56 m + 101 m	217 kN / 171 m/min	
31000	2,535 USt	252,100 ft-kips	600 Hp	344 ft	452 ft	262.5 ft + 137.8 ft	312 ft + 374 ft	110,230 lb / 546 fpm	31000
	2 300 t	34 800 tonne-m	447 kW	105 m	138 m	80 m + 42 m	95 m + 114 m	490 kN / 139 m/min	

Note: All information related to boom lengths, capacities and other specifications are based on ASME B30.5 calculations. Models marked with an asterisk (*) are based on EN 13000.

