



Mini Crawler Crane

MC-405C



Maximum Working Radius: **16m × 0.21t**

Pick & Carry Duties : 500kg

Lifting Capacity : 3.83 ton × 2.7 m

Dimensions (L × W × H) : 4980 × 1380 × 1980 mm

Outrigger Safety System

4Fall/2Fall Hook Block

Two Way Remote Controller

Available with Fly Jib

Specifications are subject to change without notice.



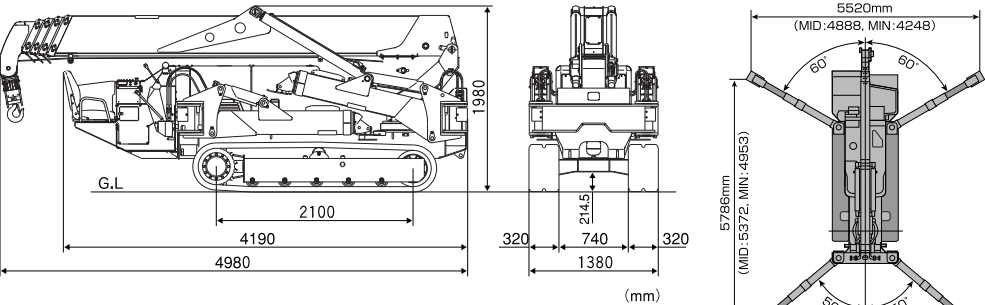
MAEDA



MAEDA Mini Crawler Crane MC-405C

Specifications

Model		MC-405CRM(E)	
Crane capacity		t × m	3.83t × 2.7m
Max. working radius		m × t	16m × 0.21t
Max. lifting height (on the ground)		m	16.8m
Max. lifting height (underground)		m	-20.5m
Winch system	Hook speed	m/min	10m/min [18.0m/min] (4 layers 4 falls)
	Hoist wire rope	φ × m	IWRC 6 × WS(26) φ8 × 92m
Telescoping system	Type		Fully automatic 5-section pentagonal telescopic boom
	Boom length	m	4.735~16.475m
	Boom telescoping stroke / time	m/sec	11.7m/54.2sec [41.3sec]
Boom hoist system		deg/sec	0~80/24.5sec [17.0sec]
Swing system		deg/rpm	360/2.1rpm [2.5rpm]
Outrigger system	Type		Extended Hydraulic cylinder direct acting Setting up Hydraulic cylinder direct acting
	Max. extended width	mm	(Lateral) 5,786 × (Front) 5,118 × (Rear) 5,520
Travel system	Type		Hydraulic motor driven, stepless speed changer
	Travel speed	km/h	0~3.3
	Gradability	deg	20
	Crawler ground length × width	mm	1,720 × 320
Engine	Ground pressure	kpa [kgf/cm ²]	49.0 [0.50]
	Model		YANMAR 3TNV88-BPMB
	Displacement	L [cc]	1.642 [1.642]
	Rated output	kw/min ⁻¹ [ps/rpm]	21.4kw/2400min ⁻¹ [29.1PS/2400rpm]
	Starting method		Electric starting
Motor (MC-405CRME)	Fuel / Fuel tank capacity	L	Diesel/60.0
	Motor type		Totally enclosed fan-cooled motor 7.5kw, 4P 380V
Remote control system	Starting system		Inverter system (30Hz-60Hz)
	Type		Cable remote controller
	Micro/High speed mode		Available
	Load display for transmitter		Available
	Outrigger operation		Available
Pick & Carry capacity	Voice		Available
		kg	500kg
Overall length × width × height		mm	4,980 × 1,380 × 1,980
Machine weight		kg	5,600kg (5,750kg with electric motor)
Safety device			Overwind protection, Load indicator, Hydraulic safety valve, Wire rope latch, Level, Machine body inclination alarm, EMO switch, Travel lock lever, Outrigger interlock device Moment limiter, Rotary lamp
Optional equipment			White rubber track, Single fall hook Fly jib Searcher hook



Before use, please read the Operation Manual

Due to improvements, the specifications are subject to change without notice.



MAEDA SEISAKUSHO CO.,LTD.

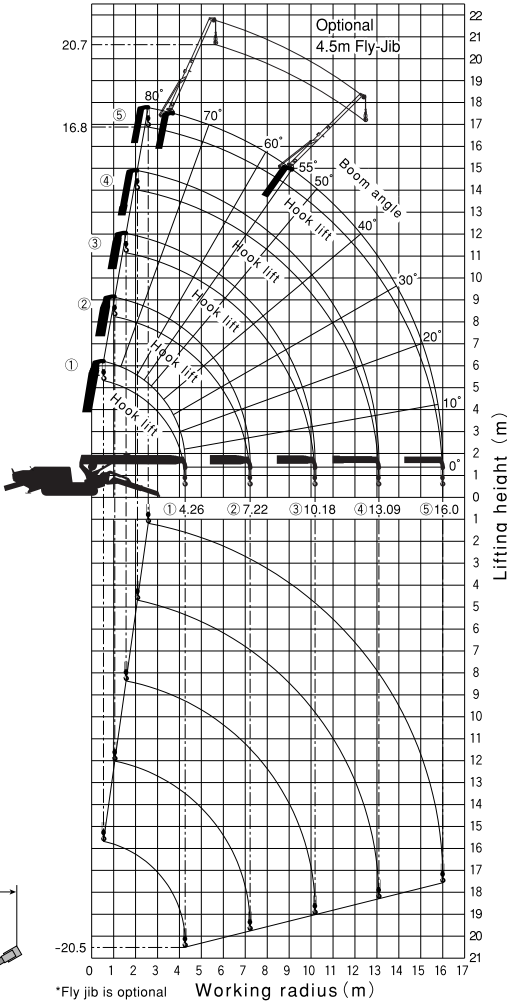
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Total Rated Load Chart (4 falls)

Total Rated Load Chart with outrigger extended to maximum							
4.735m/7.695m Boom		10.655m Boom		13.565m Boom		16.475m Boom	
Working radius (m)	Total rated load (kg)	Working radius (m)	Total rated load (kg)	Working radius (m)	Total rated load (kg)	Working radius (m)	Total rated load (kg)
2.7 or less	3830	3.5	3030	4.0	2230	5.0	1130
3.5	3030	4.0	2580	4.5	1930	5.5	980
4.0	2580	5.0	2030	5.0	1730	6.0	910
5.0	2030	6.0	1680	6.0	1400	7.0	760
6.0	1680	7.0	1380	7.0	1180	8.0	650
7.0	1380	8.0	1130	8.0	1030	9.0	600
7.25	1330	9.0	880	9.0	930	10.0	550
		10.2	580	10.0	830	11.0	490
				11.0	690	12.0	440
				12.0	530	13.0	380
				13.1	430	14.0	320
						15.0	260
						16.0	210

* The Total Rated Load Chart is based on actual working radius with the bending of boom attributable to load reflected and is shown with the mass of hook (50kg) included.

Working Range (4 falls)



Fly jib Total Rated Load Chart (Optional)

Boom angle (deg)	Jib length : 4.5m (kg)
76	520
72	520
69	420
66	320
63	250
60	220
55	170

* The weight of hook block (single fall-20kg) must be included as part of the load shown in the Total Rated Load Chart.