

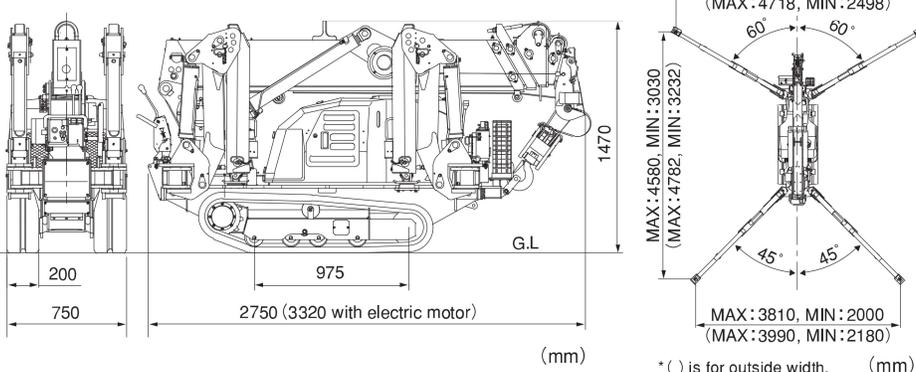
Crane-Tech

Cranes and consulting Pty Ltd®

Specifications

Model		MC285C-2
Crane capacity		2.821 × 1.4 m
Max. working radius		8.205 m × 0.15 t
Max. lifting height (on the ground)		8.7 m
Max. lifting height (underground)		-10.1 m (4 falls)
Max. lifting height (underground) (optional auxiliary winch)		-100 m (single fall)
Winch system	Hook speed	9.3 m/min (4 layers, 4 falls)
	Hoist wire rope	IWRC 6 × Fi (29) 0/0, φ7 × 48.0 m
Telescoping system	Type	Fully automatic 5-section pentagonal telescopic boom (3 to 5 section; Simultaneous telescoping)
	Boom length	2.535 m ~ 8.575 m
	Boom telescoping stroke / time	6.04 m / 22 sec
Boom hoist system	Hoist angle / time	0 to 80 deg / 14.0 sec
Swing system	swing angle / time	360 deg / 1.0 rpm
Outrigger system	Type	1st stage with flexible stay damper, 2nd stage manual pullout, hydraulic cylinder direct acting type
	Max. extended width	(Lateral) 4,580 × (Front) 4,530 × (Rear) 3,810 mm
Travel system	Type	Hydraulic motor driven, stepless speed changer
	Travel speed	0 ~ 2.2 km/h
	Gradability	20 deg
	Crawler ground length × width	975 × 200 mm
	Ground pressure (MC285CRM-2)	48.7 kpa [0.497 kgf/cm ²]
	Ground pressure (MC285CGRM-2)	47.8 kpa [0.487 kgf/cm ²]
Engine (diesel)	Model	YANMAR 2TNV70-NMB
	Displacement	569 cc [0.569 L]
	Rated output	7.4 kw [10.1 ps] / 2,500 rpm
	Starting method	Electric starting
	Fuel / Fuel tank capacity	Diesel / 12.0 L
	Engine (petrol) (MC285CGRM-2)	Model
Motor (MC285CRME-2)	Displacement	570 cc [0.570 L]
	Rated output	10.8 kw [14.7 PS] / 2,600 rpm
	Starting method	Electric starting
	Fuel / Fuel tank capacity	Petrol / 8.0 L
	Motor model	W21 4P-5.5 kw
	Motor type	Totally enclosed fan-cooled motor 5.5 kw, 4P 380V
Remote control system	Starting system	Inverter system (30 Hz-60 Hz)
	Type	Cable remote controller
Safety device	Features	Micro speed mode, Digital feedback, Voice
	Overall length × width × height (MC285C(G)RM-2)	2,750 mm × 750 mm × 1,470 mm
Optional equipment	Overall length × width × height (MC285CRME-2)	3,320 mm × 750 mm × 1,470 mm
	Machine weight (MC285CRM-2)	1,960 kg
	Machine weight (MC285CGRM-2)	1,900 kg
	Machine weight (MC285CRME-2)	2,120 kg
Safety device	Overwind protection, Angle indicator, Hydraulic safety valve, Wire rope latch, Level, Machine body inclination alarm, EMO switch, Moment limiter, Working status lamp, Date logger, Outrigger setting lamp, Crane & Outrigger interlock device	
	White rubber tracks, Single fall hook, 300 kg/850 kg searcher hook, 900 kg auxiliary winch, Oil cooler kit (MC285CGRM-2)	

Dimensions

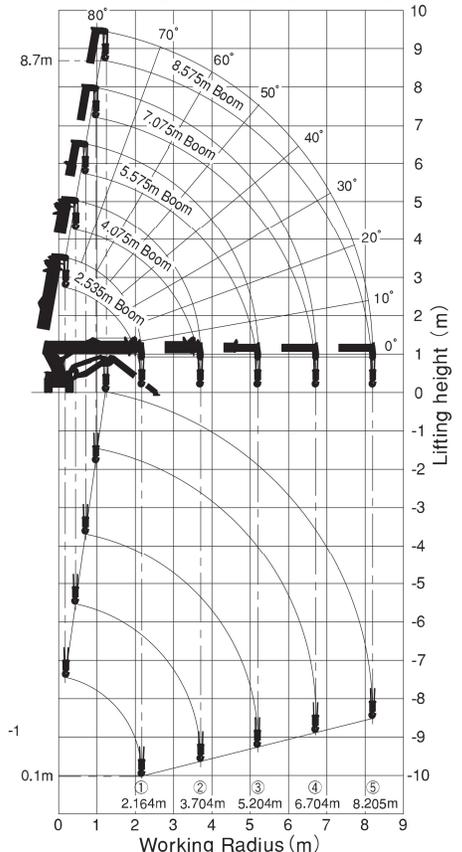


Rated Total Load Chart (4 falls)

Rated Total Load Chart with outrigger extended to maximum							
2.535m / 4.075m Boom		5.575m Boom		7.075m Boom		8.575m Boom	
Working radius (m)	Rated total load (kg)	Working radius (m)	Rated total load (kg)	Working radius (m)	Rated total load (kg)	Working radius (m)	Rated total load (kg)
1.4 or less	2820	3.0 or less	1220	3.6 or less	820	4.0 or less	550
1.5	2520	3.5	970	4.0	740	4.5	400
2.0	1920	4.0	780	4.5	580	5.0	340
2.5	1570	4.5	630	5.0	480	5.5	300
3.0	1220	5.0	530	5.5	430	6.0	270
3.5	970	5.205	530	6.0	380	6.5	230
3.705	920			6.5	350	7.0	200
				6.705	330	7.5	180
						8.0	150
						8.205	150

Rated Total Load Chart with outrigger extended to other than maximum							
2.535m / 4.075m Boom		5.575m Boom		7.075m Boom		8.575m Boom	
Working radius (m)	Rated total load (kg)	Working radius (m)	Rated total load (kg)	Working radius (m)	Rated total load (kg)	Working radius (m)	Rated total load (kg)
1.5 or less	1720	3.0 or less	510	3.6 or less	400	4.0 or less	330
2.0	1070	3.5	410	4.0	330	4.5	280
2.5	630	4.0	330	4.5	280	5.0	230
3.0	520	4.5	280	5.0	230	5.5	180
3.5	390	5.0	200	5.5	180	6.0	160
3.705	350	5.205	200	6.0	160	6.5	130
				6.5	130	7.0	100
				6.705	120	7.5	80
						8.0	70
						8.205	60

Working Range (4 falls)



* The Working Range Chart does not take into account boom deflection under load.

MAEDA MC-285C-2