



MC305 CRM(E)-2 Mini Crane

The MC305-2 is the first of the “ride on” Maeda Mini Cranes and is extremely powerful for its small stature. Up to 2.98 tons of lifting power from a machine only 1280mm wide. The superior quality and engineering of the Maeda product line gives longevity of use and higher return on rental investments are enjoyed by end users across the board.



Features at a glance...

- 2.98 Ton Max Capacity
- 12.52m Max Working Height
- Energy Saving System
- Sheaves Protected Inside Boom
- Variable (Hi/Lo) Travel Speeds
- Programmable Moment Limiter
- Hydrostatic Transmission
- Centralized Controls
- 4 Fall / 2 Fall Hook Block
- Automatic Hook Stowage System
- Tilt Alarm
- Powerful Two Speed Winch with Hydraulic Disc Brake
- Digital Feedback Remote Control
- Outrigger Interlock System
- Optional 300kg Searcher hook
- Data Logger
- 2 Year Warranty

More Images...



Glazing



Uneven Ground



Installations



Steel Erecting



General Lifting

Specifications

Capacity	Maximum	2.98 t x 2.5m
Working Radius	Maximum	12.16m x 260kg
Lifting Height	Maximum	12.52m x 790kg
Dimensions	MC305 CRM(E)	4285mm x 1280mm x 1695mm
Weight	MC305 CRM MC305 CRME Hook Block Weight	3900kg 4040kg 30kg
Hook Speed	Maximum	13.5m / min. (4 falls, 4th layer)
Single Line Speed	Maximum	54m / min. (4th layer)
Hoist Rope	Type	IWRC 6 x WS (26) Ø 8mm x 73m
Telescopic System	Boom length Telescoping speed Boom type	3.695m - 12.485m 8.79m / 26 sec Fully automatic 5 section pentagonal telescopic boom
Boom Hoist System	Hoist angle / speed	0° - 80° / 14.5 sec
Slew System	Slew angle / speed	360° continuous / 2.4 rpm
Outrigger System	Type Maximum extended dimensions	Extension and set-up by hydraulic cylinders. (Length) 4888mm x (Front) 4504mm x (Rear) 4396mm
Traction System	Drive Travel speed Gradability Ground length x width Ground pressure	Hydraulic motor driven, stepless speed changer 0 - 2.8 km/h 23° 1750mm x 300mm (Track dimensions) 0.37 kgf / cm² (0.38 kgf / cm² CRME)
Engine	Model Type Rated output Starting method Fuel tank capacity	Yanmar 3TNV76 3 cylinder water cooled diesel 15.2 kW / 2500 rpm Electric Diesel / 40L
Electric Motor (Optional)	Type Size	Fully enclosed fan cooled motor 5.5 kW 4P 380V
Standard Equipment	Overwind protection, hydraulic safety valves, level, tilt alarm, EMO switch, travel lock lever, outrigger interlock system, moment limiter, working status lamp, hour-meter, 4-fall / 2-fall hook block, black rubber tracks, digital feedback remote control, data logger	
Optional Equipment	Radio remote control, white rubber tracks, single fall hook, 300kg searcher hook.	

Total rated load Outriggers at Maximum position

3.7m/5.945m boom		8.145m boom		10.315m boom		12.485m 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)
< 2.5	2980	2.7	2270	4	1080	< 4.5	790
3	2390	3	2120	4.5	985	5	660
3.5	1990	3.5	1680	5	880	6	520
4	1710	4	1440	6	770	7	430
4.5	1490	4.5	1260	7	670	8	380
5	1340	5	1110	8	570	9	340
5.62	1160	5.5	990	9	500	10	310
		6	880	9.99	435	11	280
		7	730			12.16	260
		7.82	630				

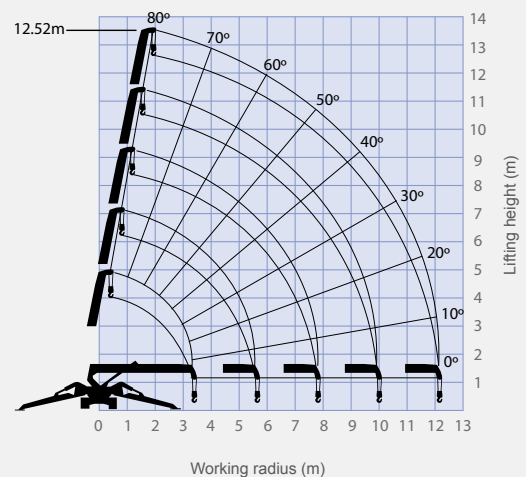
Total rated load Outriggers at Middle position

3.7m/5.945m boom		8.145m boom		10.315m boom		12.485m 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)
< 2.5	2980	2.7	2270	4	1060	< 4.5	780
3	2360	3	2090	4.5	950	5	650
3.5	1960	3.5	1680	5	860	6	500
4	1680	4	1420	6	750	7	410
4.5	1380	4.5	1240	7	630	8	360
5	1140	5	1070	8	490	9	320
5.62	950	5.5	950	9	410	10	290
		6	800	9.99	350	11	260
		7	610			12.16	250
		7.82	520				

Total rated load Outriggers at Minimum position

3.7m/5.945m boom		8.145m boom		10.315m boom		12.485m 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)
< 2.5	2980	2.7	2270	4	1060	< 4.5	780
3	2350	3	2090	4.5	950	5	650
3.5	1800	3.5	1680	5	860	6	500
4	1430	4	1370	6	680	7	410
4.5	1140	4.5	1120	7	530	8	360
5	950	5	910	8	420	9	320
5.62	790	5.5	790	9	340	10	290
		6	670	9.99	300	11	240
		7	510			12.16	210
		7.82	430				

Working Range Diagram



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

Maximum Reach Below Ground Level

Four Fall	Two Fall	Single Fall
16.09m	32.18m	64.36m

Dimensions

