

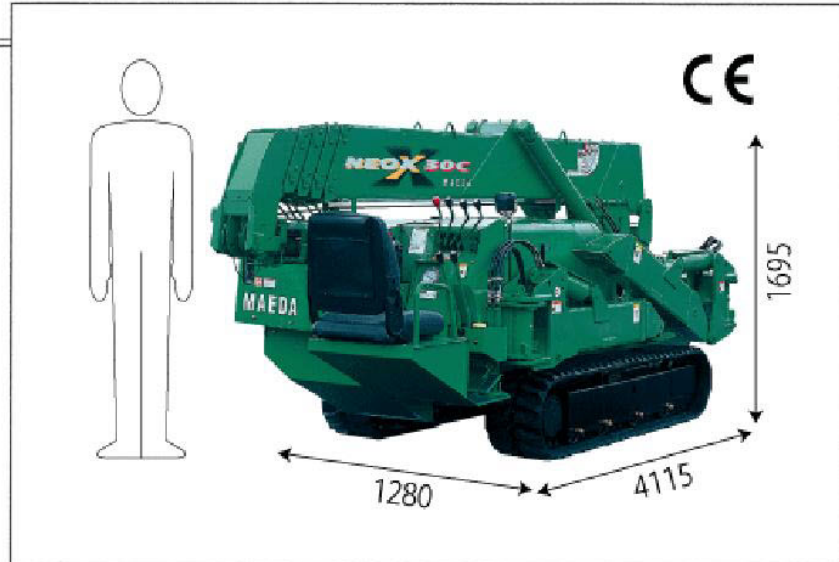
MAEDA NEOX Series

MC-305CRM

General view



TWC TWO WAY
CRANES



Specification

Model	MC-305CRM	Traction system	
Crane capacity	2,930 kg × 2.5 m	Drive	Hydrastatic type, Dual speed forward and reverse
Max. working radius	12.16 m	Travel speed	0 ~ 3.0 km/h
Max. lifting height	Approx. 12.66 m	Gradability	23.5°
Winch System		Crawler ground length	1,750 mm
Hook speed	12.3 m / min (with 4 layers & 4 falls)	Ground pressure	35.3 Kpa (0.36 kg/cm ²)
Rope hoisting speed	49.2 m / min (4 layers)	Crawler width	300 mm
Wire rope	IWRC 6 × Ws (26) ∅ 8 × 74 m		
Breaking strength	42.4 kN (4,320 kg)	Engine	
Single line pull	12.8 kN (1,312 kg)	Model	Yanmar "3TNE74-MB1"
Hoist method	Hydraulic motor driven, planetary gear reduction with hydraulic disc brake	Max.output	14.0 kw (19.0 PS) / 2,530 min ⁻¹ (rpm)
Telescopic system		Starting method	Both electric start and recoil start are available
Boom length	3.695 m ~ 12.485 m	Fuel	Diesel
Telescoping speed	8.79 m / 26 sec	Fuel tank capacity	37 L
Boom type	Automatic power boom (3 cylinders + 1 wire)	Overall length x overall width x overall height	4,115 mm × 1,280 mm × 1,695 mm
Telescopic method	5-section hydraulically telescoping boom of pentagonal box construction	Machine weight	3,770 kg
Derricking System		Safety system	Moment limiter (over winding/over loading/turn over), Boom angle indicators with load indicators, Hydraulic safety valve, Automatic hydraulic lock, Hook safety latch, Automatic hydraulic disc brake for winch, Self-locking for slewing, Stopping device at 3 rolls on the drum, Level gauge.
Derricking angle / Time	0 ~ 80° / 14.3 sec	Standard Equipment	
Derricking method	Double acting type hydraulic cylinders	15 m cable type remote controller	1 set
Slewing System		Hour meter	1 pcs
Slewing angle / Speed	360° (continues) / 2.3 min ⁻¹ (rpm)	Working light	2 pcs
Slewing method	Hydraulic motor driven, worm and spur gear reduction with self-locking	Quick hook	Automatic hook installation device
Outriggers	Box type × 4 pcs Direct push type hydraulic cylinders with pilot check valves Cylinders for Sliding × 4 pcs Cylinders for Stabilizing × 4 pcs	Optional Equipment	— 2 fall hook block — Ball hook — Wireless remote controller — White rubber tracks — One-touch couplers for hydraulic hoses — Indicator lamp for outriggers' setting

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

MAEDA

Maeda MC305C Mini Crawler Crane

Total Rated Load (kg)

Outriggers are Maximum position

Boom ①, ①+②		Boom ①+②+③		Boom ①+②+③+④		Boom ①+②+③+④+⑤	
5.945m boom		8.145m boom		10.315m boom		12.485m boom	
Working Radius (m)	T. Rated Load (kg)	Working Radius (m)	T. Rated Load (kg)	Working Radius (m)	T. Rated Load (kg)	Working Radius (m)	T. Rated Load (kg)
~2.5	2,930	2.7	2,270	4.0	1,060	~4.5	775
3.0	2,350	3.0	2,090	4.5	950	5.0	640
3.5	1,950	3.5	1,680	5.0	860	6.0	495
4.0	1,670	4.0	1,415	6.0	750	7.0	410
4.5	1,450	4.5	1,230	7.0	645	8.0	360
5.0	1,300	5.0	1,070	8.0	540	9.0	320
5.62	1,120	5.5	950	9.0	490	10.0	290
		6.0	855	9.99	415	11.0	260
		7.0	700			12.16	250
		7.82	610				

Outriggers are Intermediate position

Boom ①, ①+②		Boom ①+②+③		Boom ①+②+③+④		Boom ①+②+③+④+⑤	
5.945m boom		8.145m boom		10.315m boom		12.485m boom	
Working Radius (m)	T. Rated Load (kg)	Working Radius (m)	T. Rated Load (kg)	Working Radius (m)	T. Rated Load (kg)	Working Radius (m)	T. Rated Load (kg)
~2.5	2,930	2.7	2,270	4.0	1,060	~4.5	775
3.0	2,350	3.0	2,090	4.5	950	5.0	640
3.5	1,950	3.5	1,680	5.0	860	6.0	495
4.0	1,670	4.0	1,415	6.0	750	7.0	410
4.5	1,380	4.5	1,230	7.0	630	8.0	360
5.0	1,140	5.0	1,070	8.0	490	9.0	320
5.62	950	5.5	945	9.0	410	10.0	290
		6.0	790	9.99	350	11.0	260
		7.0	610			12.16	250
		7.82	520				

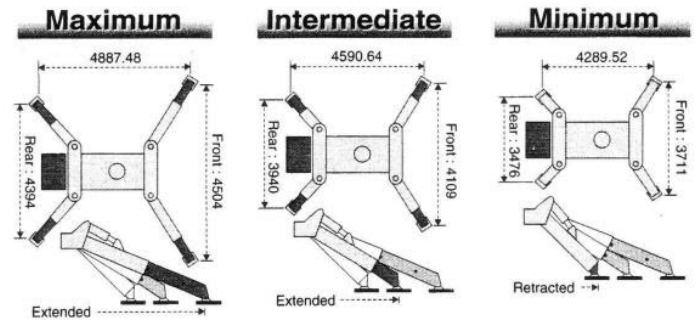
Outriggers are Minimum position

Boom ①, ①+②		Boom ①+②+③		Boom ①+②+③+④		Boom ①+②+③+④+⑤	
5.945m boom		8.145m boom		10.315m boom		12.485m boom	
Working Radius (m)	T. Rated Load (kg)	Working Radius (m)	T. Rated Load (kg)	Working Radius (m)	T. Rated Load (kg)	Working Radius (m)	T. Rated Load (kg)
~2.5	2,930	2.7	2,270	4.0	1,060	~4.5	775
3.0	2,350	3.0	2,090	4.5	950	5.0	640
3.5	1,800	3.5	1,680	5.0	860	6.0	495
4.0	1,430	4.0	1,370	6.0	680	7.0	410
4.5	1,140	4.5	1,120	7.0	530	8.0	360
5.0	950	5.0	910	8.0	420	9.0	320
5.62	790	5.5	790	9.0	340	10.0	290
		6.0	670	9.99	300	11.0	240
		7.0	510			12.16	210
		7.82	430				

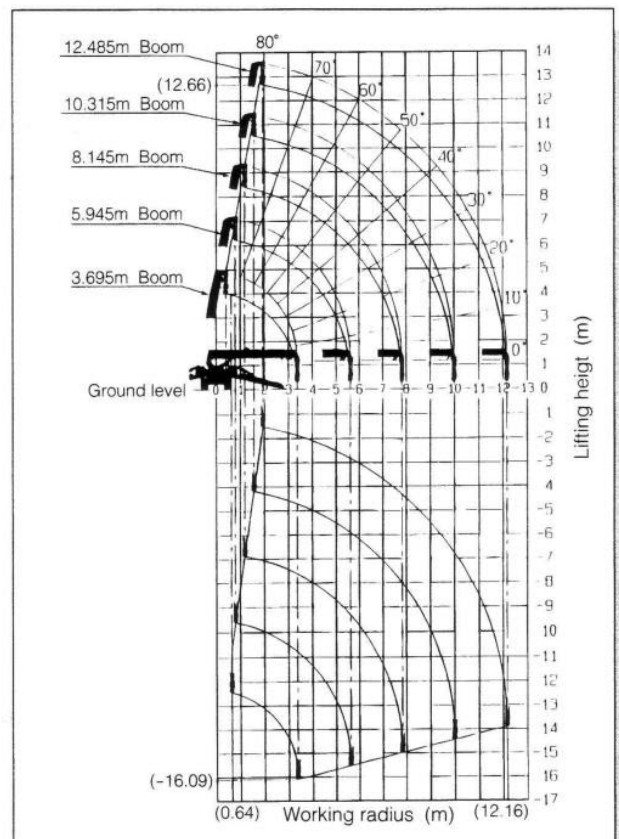
CAUTION

- The Total Rated Load Table is based on actual working radius that takes into account boom deflections under load.
- The Total Rated Load Table is including 30kg of Hook Weight.

Outriggers' Arrangement



Working range



CAUTION : The working range chart apply to cases without load and do not include boom deflections.

Hook Blocks

No. of fall	Weight	Capacity	Remarks
4 falls	28 kg	2,900 kg	STD
2 falls	30 kg	2,900 kg	OPT
Single fall	17.4 kg	1,000 kg	OPT

TWC TWO WAY CRANES

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