

WORKING RANGE DIAGRAM and TOTAL RATED LOAD TABLE

Maeda MC-355C

Outriggers at standard (full) extension (4,112 x 4,376 mm)

For Boom ①, Booms ① + ②

Working radius (m)	2.0 or less	2.25	2.5	2.7	3.0	3.5	4.0	4.5	5.0	5.57
Rated load (kg)	2,930	2,930	2,850	2,570	2,280	1,930	1,630	1,400	1,110	930

When extending boom, operate according to the performance for booms ① + ② + ③

For Booms ① + ② + ③

Working radius (m)	2.0 or less	2.7	3.0	3.5	4.0	4.5	5.0	5.5	6.0	7.0	7.77
Rated load (kg)	2,230	2,030	1,910	1,680	1,380	1,230	1,050	930	780	620	480

When extending boom ③, from boom ② more than half the length of the mark ③, operate according to the performance for booms ① + ② + ③ + ④

For Booms ① + ② + ③ + ④

Working radius (m)	4.0 or less	4.5	5.0	5.5	6.0	7.0	8.0	9.0	9.94
Rated load (kg)	1,030	930	830	800	730	620	510	420	280

When extending boom ⑤, operate according to the performance for boom ⑤ shown in the next table

For Boom ⑤ extension

Working radius (m)	4.5	5.0	5.5	6.0	7.0	8.0	9.0	10.0	11.0	12.1
Rated load (kg)	630	530	500	430	380	330	280	250	230	230

Outriggers at half extension (3,600 x 4,376 mm)

For Boom ①, Booms ① + ②

Working radius (m)	2.0 or less	2.25	2.5	2.7	3.0	3.5	4.0	4.5	5.0	5.57
Rated load (kg)	2,930	2,930	2,850	2,570	2,280	1,910	1,470	1,080	700	610

When extending boom, operate according to the performance for booms ① + ② + ③

For Booms ① + ② + ③

Working radius (m)	2.0 or less	2.7	3.0	3.5	4.0	4.5	5.0	5.5	6.0	7.0	7.77
Rated load (kg)	2,230	2,030	1,880	1,560	1,230	910	650	470	390	300	260

When extending boom ③, from boom ② more than half the length of the mark ③, operate according to the performance for booms ① + ② + ③ + ④

For Booms ① + ② + ③ + ④

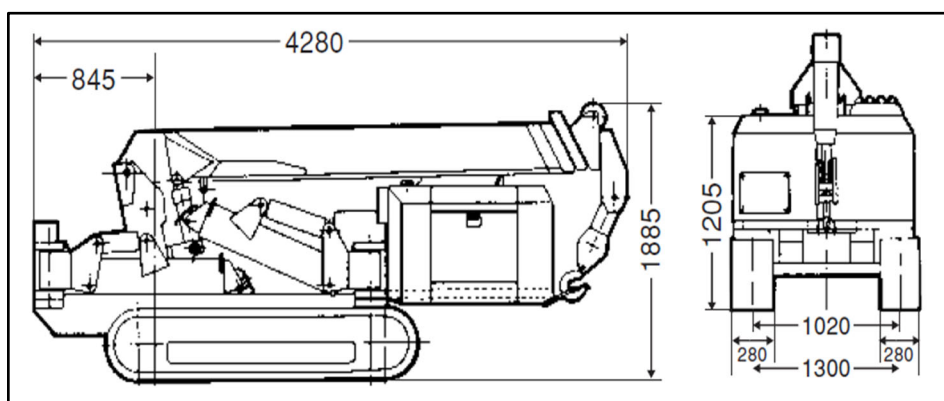
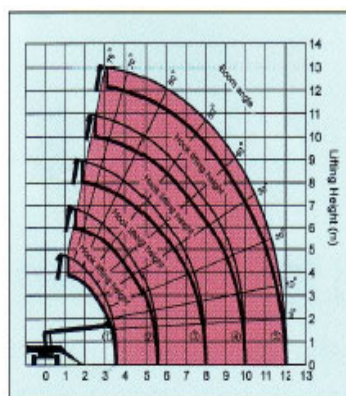
Working radius (m)	3.5 or less	4.0	4.5	5.0	5.5	6.0	7.0	8.0	9.0	9.94
Rated load (kg)	1,030	950	830	710	600	430	280	180	150	150

When extending boom ⑤, operate according to the performance for boom ⑤ shown in the next table

For Boom ⑤ extension

Working radius (m)	4.5	5.0	5.5	6.0	7.0	8.0	9.0	10.0	11.0	12.1
Rated load (kg)	630	530	500	430	280	180	150	130	100	70

1. The machine should be set up HORIZONTALLY on a SOLID SUBSTRATE, exclusively on outriggers. Tracks should be approx. 50 mm off ground
2. Other than with outriggers extended and pinned, the boom may NEVER be swiveled, telescoped or jibbed up.
3. The weight of the lifting equipment such as lifting chains, slings, etc. must be considered part of the load. An appropriate deduction should be taken for this.
4. Driving with a load is not permitted.
5. Permissible wind speed 20 m/sec (72 km/h) with a load area of 1.2 m²/ton lifting load.
6. Only use the crane within temperature range -10° and + 40° Celsius



Specifications

CRANE MODEL		MC-355C
PERFORMANCE	CRANE CAPACITY	2.93 T x 2.25 m
	MAX. WORKING RADIUS	12.10 m
	MAX. LIFTING HEIGHT	Approx. 11.8 m
WINCH SYSTEM	TYPE	6 x Ws (26)
	WIRE ROPE	8 x 73 m
	NO. OF TURNS OF ROPE	4
	HOOK SPEED	11.5m/min
BOOM TELESCOPING SYSTEM	BOOM LENGTH	12.31
	BOOM STAGES	4 booms: Pentagonal type + 1 boom: Hexagonal type
	TELESCOPING TYPE	Sequentially operating two cylinders + simultaneous wire rope operating + OMS type hydraulic extensions
	HYDRAULIC TELESCOPING STROKE	6.61m
	TIME FOR EXTENSION	28 sec
BOOM ELEVATING SYSTEM	BOOM ELEVATING METHOD	Direct push type two double acting cylinders
	BOOM ELEVATING ANGLE	3°-76°
	TIME FOR BOOM ELEVATING	13 sec
SLEWING SYSTEM	SLEWING METHOD	Hydraulic motor
	SLEWING ANGLE	360° continuous
	SLEWING SPEED	2.3 rpm
OUTRIGGERS		Two step extension hydraulic cylinder push
SAFETY DEVICES		Load meter, angle meter, automatic hydraulic lock (pilot check), overwinding alarm (dry batter type equipped on boom top), hydraulic safety valve
ENGINE	TYPE	Water cooled diesel 3TNE74 (Yanmar)
	OUTPUT	19ps/3000 rpm
CRAWLING PERFORMANCE	CLIMBING ABILITY	22°
	SPEED	Forward 1.28 km/h
		Reverse 1.28 km/h
	DRIVING DEVICE	Hydraulic motor
	BRAKE ANGLE	20°
	STEERING SYSTEM	Right and left independent control
CRAWLING PRESSURE	SIDE TURN STABILITY	35°
	CRAWLER	Rubber crawler
	CRAWLER WIDTH	280 mm
	CRAWLER LENGTH	1720 mm
	GROUND PRESSURE	310.4 kPa
HYDRAULIC PUMP	HYDRAULIC PUMP	Dual tandem gear pump
	RELIEF SET PRESSURE	20.6 MPa (for crawling) 19. MPa (for crane)
	HYDRAULIC OIL TANK	76 L
GROSS WEIGHT		3345 kg
TOTAL LENGTH		4280 mm
TOTAL WIDTH		1300 mm
TOTAL HEIGHT		1280 mm
FULL LENGTH		4408 mm
FULL WIDTH		4112 mm
FUEL TANK		35 L