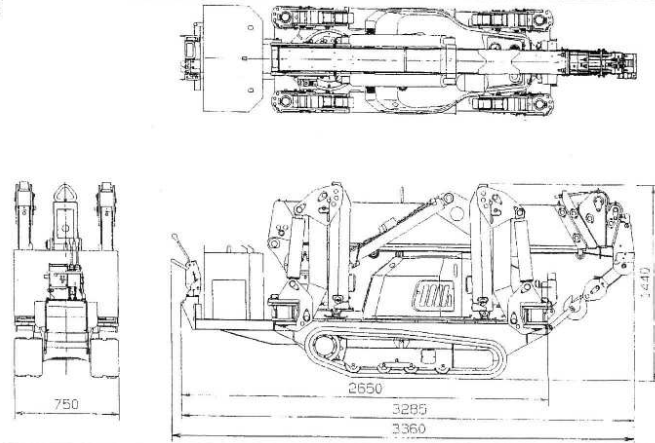


## MAEDA Mini Crawler Crane Series

# MC285CRM(E)

### General View

MC285CRM-E



### Specification

<b>Model</b>	MC285CRM(E)	<b>Traction system</b>	
<b>Crane capacity</b>	2.82t × 1.4m	<b>Drive</b>	Hydrastatic type Stepless forward and reverse
<b>Max. working radius</b>	8.205m	<b>Travel speed</b>	0~2.2km/h
<b>Max. lifting height</b>	Approx. 8.7m	<b>Gradability</b>	20.0°
<b>Winch System</b>		<b>Crawler ground length</b>	975mm
Hook speed	8m/min ( with 3 layers & 4 falls )	<b>Ground pressure</b>	43.2kPa ( 0.44kgf/cm <sup>2</sup> )
Rope hoisting speed	32m/min (4 layers)	<b>Crawler width</b>	200mm
Wire rope	IWRC 6 × Ws(29) φ 7mm × 48m	<b>Engine</b>	
Breaking strength	41kN	<b>Model</b>	YANMAR"2TNE68-ME"
Hoist method	Hydraulic motor driven planetary gear reduction with hydraulic disc break	<b>Max. output</b>	6.57kw (9PS) / 2600min <sup>-1</sup> (rpm)
<b>Telescopic system</b>		<b>Starting method</b>	Both electric start and recoil start are available
<b>Boom length</b>	2.535m~8.575m	<b>Fuel</b>	Diesel
<b>Telescoping speed</b>	6.04m/22sec	<b>Fuel tank capacity</b>	12L
<b>Boom type</b>	Fully powered boom	<b>Overall length × overall width × overall height</b>	2.715mm × 750mm × 1440mm (3.360mm × 750mm × 1440mm)
<b>Telescopic method</b>	5-section hydraulic telescoping boom of pentagonal box construction	<b>Machine weight</b>	1720kg (1,900kg)
<b>Derricking System</b>		<b>Safety system</b>	Moment Limiter (overwinding alarm/stop and Overloading alarm/stop) , Boom angle indicator with load indicator , Overload regulating hydraulic safety valve , Automatic hydraulic lock , Pilot check valves for Outrigger cylinders, Hook safety latch , Automatic hydraulic disk brake for winch , Self-locking for slewing , Level gauge , Stopping device when the remaining rope come to 3 rolls on the drum
<b>Derricking angle/Time</b>	0~80° /14sec	<b>Standard Equipment</b>	
<b>Derricking method</b>	Double acting type hydraulic cylinders	—15m cable type	
<b>Slewing System</b>		remote controller	1 set
<b>Slewing angle/Speed</b>	360° (continuous)/2.3min <sup>-1</sup>	—Operation manual	1 set
<b>Slewing method</b>	Hydraulic motor driven , worm and spur gear reduction with self-locking	—Standard tool	1 set
<b>Outriggers</b>		—Machine cover	1 set
Box type with stay dumper × 4pcs		<b>Optional Equipment</b>	—White Rubber Crawlers
Direct push type hydraulic cylinders with pilot check valves			

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



## MAEDA

**Outrigger Reaction Force Calculation**

**Model MC285C**

**Working Radius**

**1400 mm**

**Lift Load**

**2820 Kg**

**Boom Stage**

**2 Section**

**Outriggers Extended Maximum**

Degrees	Front Right	Front Left	Rear Left	Rear Right
0	937	937	1812	1812
5	968	911	1726	1893
10	1003	888	1638	1968
15	1044	869	1549	2037
20	1089	852	1459	2097
25	1141	838	1371	2148
30	1197	826	1285	2189
35	1260	816	1203	2219
40	1328	807	1126	2237
45	1400	800	1054	2243
50	1478	794	989	2238
55	1559	790	929	2220
60	1643	788	877	2190
65	1729	788	831	2150
70	1817	790	792	2100
75	1904	795	759	2040
80	1990	803	733	1971
85	2074	816	712	1896
90	2154	833	699	1815
95	2229	855	684	1730
100	2298	883	675	1642
105	2359	916	670	1553
110	2412	956	667	1464
115	2455	1002	665	1376
120	2488	1055	664	1290
125	2511	1115	664	1209
130	2522	1181	664	1131
135	2521	1253	665	1060
140	2509	1331	665	994
145	2485	1413	665	934
150	2450	1500	666	882
155	2405	1591	667	836
160	2350	1683	669	797
165	2285	1776	672	764
170	2213	1870	678	737
175	2134	1961	687	716
180	2050	2050	699	699
MAX (Kg)	2522	2050	1812	2243



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