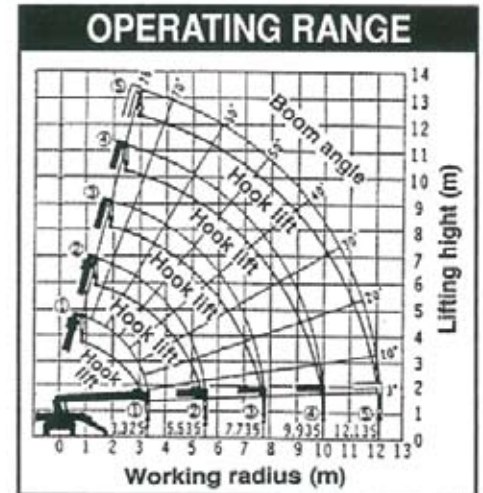
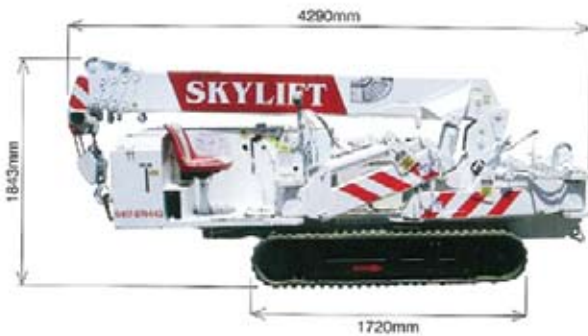
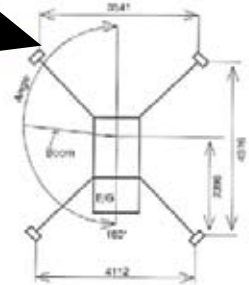




MAEDA MC-355HC 3T CRAWLER CRANE



**ONLY
WEIGHS
3.5 tonne**



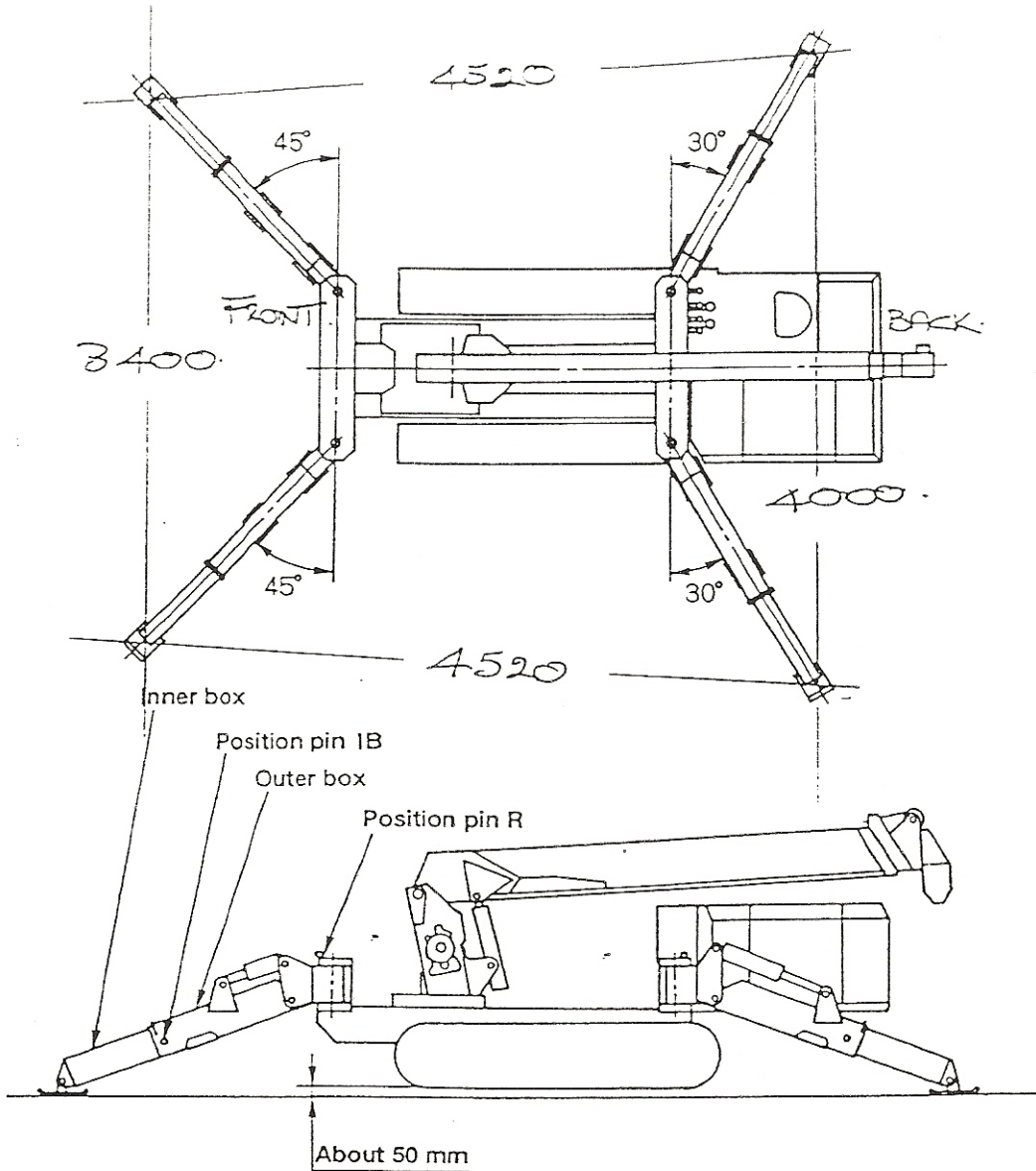
MC-355HC (5-section boom) RATED LOAD TABLE

Outriggers shall be used in the standard extension width.	Boom ①, Booms ① + ②												
	Working radius (m)	0.2 or less	2.25	2.5	2.7	3.0	3.5	4.0	4.5	5.0	5.53		
	Rated load (kg)	2900	2900	2900	2600	2300	1950	1650	1370	1080	900		
	Booms ① + ② + ③	If mark  can be seen, be sure to operate within the limit of booms ① + ② + ③											
	Working radius (m)	2.25 or less	2.7	3.0	3.5	4.0	4.5	5.0	5.5	6.0	7.0	7.73	
	Rated load (kg)	2300	2300	2100	1700	1400	1200	1050	920	780	590	490	
	Booms ① + ② + ③ + ④	If mark  is midway between booms ② and ④ on boom ③, operate within the limit of 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	9.93			
	Rated load (kg)	1000	900	800	750	700	590	480	390	290			
	Boom ⑤ extended	If boom ⑤ is extended, be sure to operate within the figures specified below for boom ⑤											
	Working radius (m)	7.0 or more	6.5	6.0	5.0	4.0	3.0	2.0	1.0	3			
	Rated load (kg)	1000	500	400	300	250	220	200	200	200	200	200	

2) Main Specifications of Carrier

Crane model		MC-354C	MC-355HC
Body Dimensions	Length	4150 mm	4290 mm
	Width	1300 mm	
	Height	1845 mm	
Crawlers	Ground contact length	1720 mm	
	Width	280 mm	
	Crawlers	Rubber crawlers	
	Ground pressure	0.3 kg/cm ²	
Engine	Model	Water-cooled diesel engine 3TNA72L (Yanmar ^a)	
	Output/rpm	19ps/3000 rpm	
	Starting system	Electric starting motor	
Travel systems	Gradeability	20°	
	Travel speed	Forward	1.28 km/h
		Reverse	1.28 km/h
	Travel system	Hydraulic motor with integrated left and right independent parking brake, planetary reduction gear type	
	Brake system	Disc brake integrated with hydraulic motor	
	Swivel system	Left and right independent traveling motors	
Fuel	Diesel Fuel		
Fuel tank capacity	35 liters		
Battery	NX100-S6		
Weight	3120 kg	3170 kg	

6) Optimum Extension of Outriggers

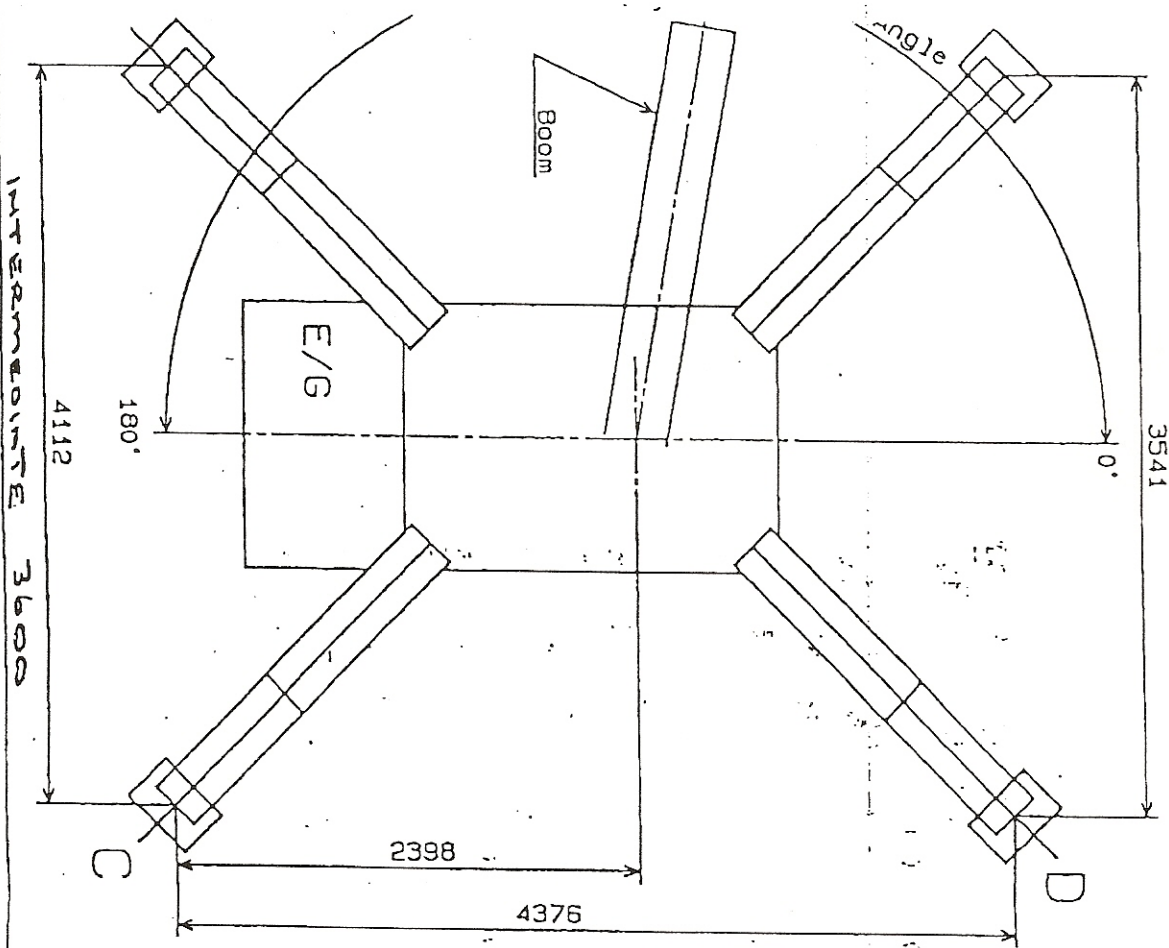


1. The optimum extension of the outriggers is shown above. (Inner box pulled out)
2. Extend the outriggers to the optimum position before lifting and swiveling a load 360 degrees. Remember, however, that horizontal stability will be reduced when swiveling a rated load. In such a case, carefully operate over a little shorter working radius than normal.
3. Structurally, outriggers are unable to extend beyond their extension limit. Therefore, before extending outriggers, choose a proper place for optimum extension.

MAEDA Model MC355C, 355HC Outrigger Reaction Calculation (Static Load)

INTERMEDIATE 3160

Conditions
 1. Lifting capacity X Working Radius : 2900Kg X 2.25m
 2. Extension of Outrigger : Optimum



Angle	A Front (kN) Reaction (kN)	B Rear (kN) Reaction (kN)	C Rear (kN) Reaction (kN)	D Front (kN) Reaction (kN)
0.0	2285.4	852.1	852.1	2285.4
5.0	2463.4	852.2	858.2	2101.2
10.0	2631.8	860.3	868.9	1914.0
15.0	2787.6	877.8	882.5	1727.1
20.0	2927.7	906.2	897.4	1543.7
25.0	3049.7	946.4	912.2	1366.7
30.0	3151.1	999.5	925.5	1198.8
35.0	3230.2	1066.0	936.4	1042.4
40.0	3285.4	1145.9	944.0	899.6
45.0	3316.0	1239.3	947.9	771.8
50.0	3321.5	1345.3	944.1	660.3
55.0	3302.0	1463.3	937.0	565.6
60.0	3258.1	1591.8	927.3	488.1
65.0	3191.1	1729.1	916.1	427.5
70.0	3102.4	1873.2	904.6	383.2
75.0	2994.3	2022.0	894.2	354.2
80.0	2868.9	2172.8	886.6	336.2
85.0	2729.1	2323.1	883.3	343.8
90.0	2577.7	2470.1	886.1	360.0
95.0	2417.8	2611.1	896.5	382.6
100.0	2252.6	2743.3	916.1	409.6
105.0	2085.1	2864.2	946.3	439.2
110.0	1918.3	2971.3	988.0	469.4
115.0	1755.1	3062.4	1042.3	498.9
120.0	1598.1	3135.8	1109.9	526.1
125.0	1449.5	3189.9	1190.0	550.1
130.0	1311.3	3223.6	1283.5	570.2
135.0	1185.1	3236.2	1389.4	586.1
140.0	1072.0	3227.4	1508.9	597.8
145.0	972.7	3197.6	1634.5	605.8
150.0	887.4	3147.3	1770.6	610.8
155.0	816.0	3077.6	1913.3	613.9
160.0	757.8	2990.0	2060.3	616.3
165.0	712.1	2888.3	2209.0	619.7
170.0	677.6	2768.7	2357.0	625.7
175.0	652.9	2639.5	2501.4	636.1
180.0	636.1	2501.4		