

# MC-285C OUTRIGGER REACTION FORCE CALCULATION

WORKING RADIUS 1500 mm  
 LIFTING LOAD 2500 kg  
 STAGE 2  
 EXTENDED OUTRIGGERS MAX



$\theta$	FR	FL	RL	RR
0	827	827	1706	1706
5	854	804	1622	1786
10	885	785	1535	1861
15	921	769	1447	1929
20	963	755	1359	1989
25	1010	744	1273	2040
30	1063	734	1189	2080
35	1121	725	1110	2110
40	1185	718	1035	2128
45	1254	712	966	2134
50	1328	707	903	2129
55	1406	702	847	2111
60	1487	700	797	2082
65	1571	699	755	2042
70	1656	699	719	1992
75	1741	703	690	1932
80	1825	709	666	1865
85	1908	719	648	1790
90	1986	734	635	1710
95	2060	753	626	1626
100	2128	777	621	1540
105	2189	807	618	1452
110	2241	844	617	1364
115	2285	886	617	1278
120	2318	936	618	1195
125	2340	992	619	1115
130	2352	1054	619	1041
135	2352	1123	620	972
140	2340	1197	620	909
145	2318	1276	620	852
150	2284	1360	619	803
155	2240	1447	619	760
160	2186	1537	619	724
165	2123	1627	621	695
170	2053	1718	624	671
175	1976	1807	630	653
180	1893	1893	640	640

<b>MAX (kg)</b>	<b>2352</b>	<b>1893</b>	<b>1706</b>	<b>2134</b>
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(kg)