

# MC-285C OUTRIGGER REACTION FORCE CALCULATION

WORKING RADIUS                    2000 mm  
 LIFTING LOAD                        1900 kg  
 STAGE                                    2  
 EXTENDED OUTRIGGERS            MAX



$\theta$	FR	FL	RL	RR
0	595	595	1563	1563
5	612	581	1464	1658
10	635	571	1364	1746
15	663	564	1262	1827
20	698	558	1162	1898
25	739	553	1065	1959
30	788	549	972	2007
35	843	545	885	2043
40	907	540	805	2064
45	977	534	733	2072
50	1054	528	669	2065
55	1136	521	614	2044
60	1224	514	569	2009
65	1316	507	532	1961
70	1411	501	503	1901
75	1507	496	483	1830
80	1603	494	470	1750
85	1697	494	463	1662
90	1788	499	461	1567
95	1874	509	464	1469
100	1953	524	470	1369
105	2025	546	478	1267
110	2087	575	486	1167
115	2139	612	495	1070
120	2179	657	502	978
125	2206	710	508	891
130	2220	772	512	811
135	2221	842	514	739
140	2209	919	513	675
145	2183	1003	510	621
150	2144	1094	504	575
155	2092	1189	497	538
160	2030	1288	489	509
165	1957	1390	481	488
170	1876	1492	473	475
175	1787	1593	468	468
180	1692	1692	466	466

<b>MAX (kg)</b>	<b>2221</b>	<b>1692</b>	<b>1563</b>	<b>2072</b>
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( k g )