

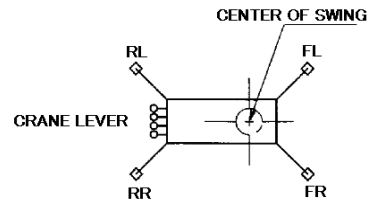
# MC-305C OUTRIGGER REACTION FORCE CALCULATION

WORKING RADIUS 2700 mm

LIFTING LOAD 2240 kg

STAGE 3

EXTENDED OUTRIGGERS MAX (MAX, MID, MIN)



$\theta$	FR	FL	RL	RR
0	1045	1045	2405	2405
5	1074	1020	2301	2504
10	1110	1000	2194	2595
15	1152	983	2086	2678
20	1203	968	1978	2751
25	1261	955	1872	2811
30	1328	942	1771	2859
35	1404	930	1674	2892
40	1488	917	1585	2910
45	1581	904	1502	2912
50	1682	890	1429	2899
55	1789	876	1363	2871
60	1903	862	1307	2828
65	2020	849	1260	2771
70	2141	837	1221	2701
75	2262	828	1190	2620
80	2383	822	1167	2528
85	2501	821	1150	2428
90	2614	825	1139	2322
95	2720	836	1132	2211
100	2818	855	1128	2098
105	2905	883	1127	1984
110	2980	921	1128	1871
115	3040	969	1128	1762
120	3086	1028	1129	1657
125	3115	1098	1128	1559
130	3128	1179	1125	1468
135	3123	1270	1121	1385
140	3101	1372	1115	1312
145	3061	1483	1107	1248
150	3005	1602	1098	1194
155	2934	1728	1088	1149
160	2848	1859	1078	1114
165	2750	1993	1069	1088
170	2640	2128	1061	1071
175	2521	2263	1056	1060
180	2394	2394	1056	1056

<b>MAX (kg)</b>	<b>3128</b>	<b>2394</b>	<b>2405</b>	<b>2912</b>
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(k g)