

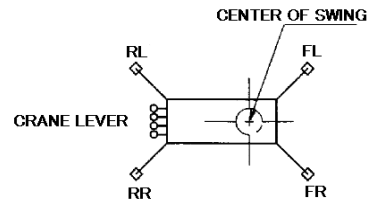
# MC-305C OUTRIGGER REACTION FORCE CALCULATION

WORKING RADIUS 7820 mm

LIFTING LOAD 400 kg

STAGE 3

EXTENDED OUTRIGGERS MIN (MAX, MID, MIN)



$\theta$	FR	FL	RL	RR
0	386	386	1908	1908
5	317	460	1709	2103
10	257	534	1509	2288
15	211	605	1314	2458
20	180	669	1128	2610
25	170	723	956	2739
30	182	763	801	2842
35	218	788	666	2917
40	280	795	553	2960
45	368	783	465	2972
50	481	753	403	2951
55	619	705	366	2898
60	780	639	354	2815
65	960	559	366	2703
70	1157	467	399	2566
75	1366	366	451	2406
80	1583	259	519	2227
85	1802	151	599	2035
90	2020	47	688	1834
95	2230	(50)	781	1628
100	2427	(135)	874	1423
105	2606	(205)	964	1223
110	2764	(254)	1046	1033
115	2895	(281)	1117	857
120	2995	(281)	1175	699
125	3063	(254)	1217	562
130	3097	(198)	1241	448
135	3094	(112)	1246	360
140	3055	4	1232	298
145	2980	147	1199	262
150	2871	317	1148	252
155	2731	510	1081	267
160	2561	722	1001	303
165	2367	951	911	360
170	2152	1190	814	433
175	1922	1435	713	518
180	1681	1681	613	613

<b>MAX (kg)</b>	<b>3097</b>	<b>1681</b>	<b>1908</b>	<b>2972</b>
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(k g)