

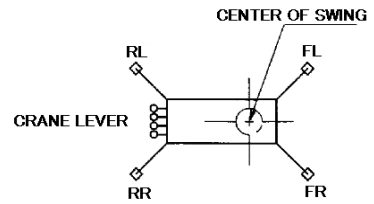
# MC-305C OUTRIGGER REACTION FORCE CALCULATION

WORKING RADIUS 5620 mm

LIFTING LOAD 920 kg

STAGE 2

EXTENDED OUTRIGGERS MID (MAX, MID, MIN)



$\theta$	FR	FL	RL	RR
0	479	479	2140	2140
5	448	517	1958	2316
10	425	557	1774	2483
15	413	596	1593	2636
20	417	632	1418	2771
25	437	662	1253	2886
30	476	684	1102	2977
35	535	695	966	3042
40	616	694	849	3079
45	717	681	752	3088
50	839	656	675	3068
55	980	619	620	3020
60	1138	570	585	2944
65	1312	513	571	2842
70	1498	448	575	2718
75	1693	378	595	2572
80	1892	306	630	2410
85	2092	236	675	2235
90	2289	170	729	2050
95	2477	113	788	1860
100	2653	66	849	1670
105	2813	35	908	1483
110	2952	21	963	1303
115	3067	26	1011	1134
120	3155	54	1050	979
125	3215	105	1077	841
130	3243	180	1092	723
135	3240	280	1093	625
140	3205	403	1081	549
145	3139	549	1055	495
150	3042	716	1017	463
155	2917	901	968	452
160	2767	1102	910	460
165	2594	1314	845	485
170	2402	1534	776	526
175	2196	1757	707	578
180	1980	1980	639	639

<b>MAX (kg)</b>	<b>3243</b>	<b>1980</b>	<b>2140</b>	<b>3088</b>
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(kg)