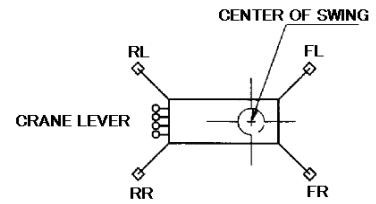


# MC-305C OUTRIGGER REACTION FORCE CALCULATION

WORKING RADIUS 5500 mm  
LIFTING LOAD 915 kg  
STAGE 3



EXTENDED OUTRIGGERS MID (MAX, MID, MIN)

$\theta$	FR	FL	RL	RR
0	507	507	2109	2109
5	481	539	1938	2274
10	463	573	1766	2430
15	456	607	1595	2573
20	463	638	1431	2700
25	486	663	1276	2807
30	526	681	1133	2892
35	585	690	1004	2953
40	663	688	893	2988
45	760	676	800	2996
50	877	652	726	2977
55	1011	617	672	2932
60	1162	573	637	2861
65	1327	520	620	2765
70	1502	460	621	2648
75	1685	397	637	2512
80	1873	332	667	2360
85	2061	269	706	2196
90	2245	210	754	2023
95	2422	159	806	1845
100	2587	119	860	1666
105	2736	93	914	1490
110	2866	83	963	1321
115	2973	91	1006	1161
120	3056	120	1041	1015
125	3111	171	1066	885
130	3137	244	1079	772
135	3134	340	1080	678
140	3101	459	1068	605
145	3038	598	1044	552
150	2947	756	1009	519
155	2830	932	965	506
160	2688	1121	912	511
165	2526	1322	853	532
170	2346	1529	791	567
175	2152	1739	728	613
180	1948	1948	668	668

<b>MAX (kg)</b>	<b>3137</b>	<b>1948</b>	<b>2109</b>	<b>2996</b>
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(kg)