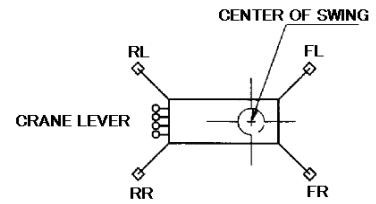


# MC-305C OUTRIGGER REACTION FORCE CALCULATION

WORKING RADIUS 7000 mm  
 LIFTING LOAD 600 kg  
 STAGE 4  
 EXTENDED OUTRIGGERS MID (MAX, MID, MIN)



$\theta$	FR	FL	RL	RR
0	461	461	1958	1958
5	422	506	1789	2122
10	390	552	1619	2276
15	370	597	1453	2419
20	363	638	1292	2545
25	372	672	1142	2652
30	398	698	1005	2737
35	444	712	883	2798
40	510	715	779	2834
45	597	705	694	2842
50	703	682	629	2824
55	828	647	584	2779
60	970	600	559	2709
65	1127	543	554	2615
70	1295	479	565	2499
75	1473	409	592	2364
80	1656	336	632	2214
85	1840	263	683	2051
90	2022	195	741	1880
95	2196	133	804	1705
100	2360	81	867	1530
105	2508	43	929	1358
110	2638	21	986	1193
115	2746	17	1035	1039
120	2829	34	1075	899
125	2886	73	1104	775
130	2914	135	1120	670
135	2912	220	1122	585
140	2881	327	1110	520
145	2820	456	1085	477
150	2732	605	1047	454
155	2617	772	998	451
160	2479	954	940	466
165	2320	1147	874	498
170	2144	1347	804	543
175	1954	1552	733	599
180	1755	1755	664	664

<b>MAX (kg)</b>	<b>2914</b>	<b>1755</b>	<b>1958</b>	<b>2842</b>
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( k g )