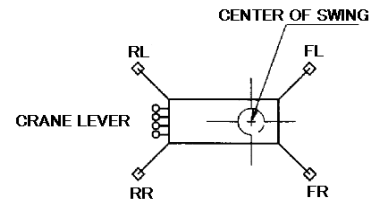


# MC-305C OUTRIGGER REACTION FORCE CALCULATION

WORKING RADIUS 4500 mm  
 LIFTING LOAD 920 kg  
 STAGE 4  
 EXTENDED OUTRIGGERS MAX (MAX, MID, MIN)



$\theta$	FR	FL	RL	RR
0	700	700	1923	1923
5	703	701	1823	2020
10	712	704	1720	2111
15	727	709	1618	2193
20	750	714	1518	2266
25	781	718	1422	2327
30	822	719	1331	2375
35	873	718	1248	2409
40	934	713	1172	2428
45	1004	704	1106	2432
50	1085	692	1050	2420
55	1174	676	1005	2393
60	1271	656	969	2351
65	1374	635	943	2295
70	1482	611	926	2227
75	1594	588	918	2147
80	1706	565	918	2058
85	1817	545	924	1961
90	1926	528	934	1859
95	2029	517	948	1753
100	2124	513	964	1645
105	2210	516	981	1539
110	2285	529	998	1435
115	2347	553	1012	1335
120	2394	587	1023	1242
125	2425	633	1031	1157
130	2440	692	1034	1081
135	2438	761	1033	1015
140	2419	843	1026	959
145	2383	935	1015	914
150	2331	1036	1000	880
155	2264	1146	981	857
160	2182	1262	959	843
165	2089	1383	936	839
170	1985	1507	912	843
175	1873	1631	889	853
180	1754	1754	869	869

<b>MAX (kg)</b>	<b>2440</b>	<b>1754</b>	<b>1923</b>	<b>2432</b>
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(kg)