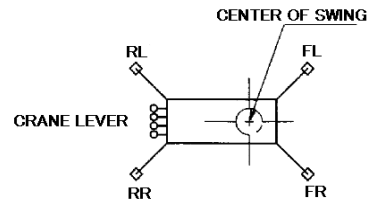


# MC-305C OUTRIGGER REACTION FORCE CALCULATION

WORKING RADIUS 8000 mm  
 LIFTING LOAD 390 kg  
 STAGE 4  
 EXTENDED OUTRIGGERS MIN (MAX, MID, MIN)



$\theta$	FR	FL	RL	RR
0	427	427	1861	1861
5	371	487	1683	2034
10	324	548	1505	2199
15	288	606	1331	2350
20	267	659	1165	2485
25	264	703	1010	2599
30	280	735	870	2691
35	317	754	748	2756
40	377	759	645	2795
45	459	747	564	2805
50	564	720	505	2786
55	691	677	469	2739
60	836	620	454	2665
65	999	550	460	2566
70	1176	470	486	2443
75	1364	383	528	2301
80	1558	292	584	2142
85	1754	200	650	1971
90	1948	111	725	1792
95	2135	29	803	1608
100	2310	(42)	883	1425
105	2469	(98)	959	1246
110	2609	(137)	1029	1076
115	2724	(156)	1089	918
120	2813	(151)	1139	775
125	2873	(123)	1174	651
130	2902	(68)	1194	548
135	2898	13	1198	466
140	2863	120	1186	408
145	2795	251	1157	372
150	2698	405	1113	360
155	2572	580	1056	368
160	2420	772	987	397
165	2246	977	910	443
170	2054	1192	826	503
175	1848	1412	740	575
180	1632	1632	656	656

MAX (kg)	2902	1632	1861	2805
----------	------	------	------	------

(k g)