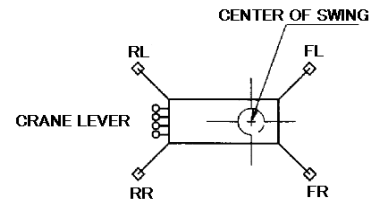


# MC-305C OUTRIGGER REACTION FORCE CALCULATION

WORKING RADIUS 8000 mm  
 LIFTING LOAD 510 kg  
 STAGE 4  
 EXTENDED OUTRIGGERS MAX (MAX, MID, MIN)



$\theta$	FR	FL	RL	RR
0	448	448	1919	1919
5	404	496	1754	2080
10	368	546	1587	2232
15	343	594	1424	2372
20	332	639	1267	2496
25	336	677	1119	2601
30	357	706	985	2685
35	398	724	867	2745
40	458	731	765	2780
45	538	725	683	2788
50	637	706	620	2770
55	755	674	578	2726
60	891	631	555	2657
65	1041	578	551	2564
70	1203	517	564	2450
75	1374	450	592	2318
80	1550	380	633	2170
85	1729	310	685	2010
90	1905	243	743	1842
95	2074	183	806	1670
100	2234	132	870	1498
105	2379	93	932	1329
110	2507	70	989	1168
115	2613	64	1039	1017
120	2696	78	1079	880
125	2754	113	1107	759
130	2784	170	1123	657
135	2785	249	1125	574
140	2758	350	1114	512
145	2703	471	1088	470
150	2622	612	1051	450
155	2514	769	1001	448
160	2384	941	943	465
165	2235	1124	877	498
170	2068	1314	807	544
175	1889	1508	736	601
180	1701	1701	666	666

<b>MAX (kg)</b>	<b>2785</b>	<b>1701</b>	<b>1919</b>	<b>2788</b>
-----------------	-------------	-------------	-------------	-------------

( k g )