

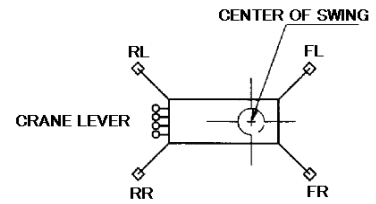
# MC-305C OUTRIGGER REACTION FORCE CALCULATION

WORKING RADIUS 9000 mm

LIFTING LOAD 380 kg

STAGE 4

EXTENDED OUTRIGGERS MID (MAX, MID, MIN)



$\theta$	FR	FL	RL	RR
0	398	398	1884	1884
5	335	465	1697	2066
10	281	534	1509	2239
15	239	600	1326	2398
20	212	660	1152	2540
25	203	710	989	2660
30	215	749	843	2757
35	249	774	715	2826
40	307	783	608	2866
45	388	775	524	2877
50	493	751	463	2857
55	620	710	425	2807
60	768	654	411	2729
65	935	585	419	2624
70	1116	505	447	2495
75	1308	417	493	2345
80	1508	324	553	2178
85	1710	230	625	1998
90	1911	139	704	1809
95	2104	55	788	1616
100	2286	(19)	873	1423
105	2453	(78)	954	1235
110	2599	(120)	1029	1056
115	2721	(141)	1093	890
120	2815	(138)	1146	740
125	2880	(111)	1183	611
130	2914	(58)	1205	502
135	2914	22	1209	418
140	2882	129	1195	357
145	2817	260	1165	321
150	2721	415	1118	309
155	2596	591	1057	319
160	2444	784	984	351
165	2270	992	901	401
170	2077	1208	812	466
175	1869	1430	720	544
180	1652	1652	629	629

MAX (kg)	2914	1652	1884	2877
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(kg)