

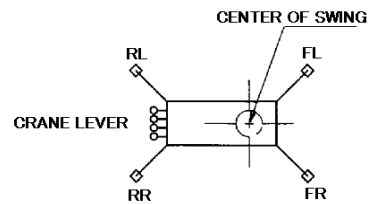
MC-305C OUTRIGGER REACTION FORCE CALCULATION

WORKING RADIUS 11000 mm

LIFTING LOAD 230 kg

STAGE 5

EXTENDED OUTRIGGERS MID (MAX, MID, MIN)



θ	FR	FL	RL	RR
0	389	389	1799	1799
5	316	466	1612	1982
10	252	543	1426	2155
15	200	617	1244	2315
20	163	684	1071	2457
25	144	741	911	2578
30	147	786	768	2675
35	172	814	644	2745
40	222	827	541	2786
45	296	821	462	2797
50	394	797	407	2777
55	516	756	376	2728
60	659	698	369	2650
65	821	626	384	2545
70	998	542	420	2416
75	1188	448	473	2266
80	1386	349	542	2099
85	1587	248	622	1919
90	1787	150	709	1730
95	1980	57	801	1537
100	2163	(25)	892	1346
105	2329	(93)	980	1159
110	2476	(143)	1060	982
115	2599	(173)	1130	819
120	2695	(179)	1186	673
125	2761	(160)	1227	547
130	2796	(115)	1251	444
135	2798	(42)	1256	364
140	2767	58	1242	309
145	2703	183	1210	280
150	2608	332	1161	274
155	2484	503	1097	292
160	2333	692	1019	331
165	2160	896	931	389
170	1969	1109	836	462
175	1763	1328	738	547
180	1548	1548	640	640

MAX (kg)	2798	1548	1799	2797
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(k g)