

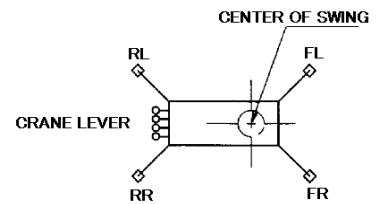
MC-305C OUTRIGGER REACTION FORCE CALCULATION

WORKING RADIUS 11000 mm

LIFTING LOAD 210 kg

STAGE 5

EXTENDED OUTRIGGERS MIN (MAX, MID, MIN)



θ	FR	FL	RL	RR
0	365	365	1810	1810
5	279	456	1605	2011
10	201	547	1401	2202
15	137	633	1202	2379
20	90	711	1013	2536
25	64	777	839	2670
30	62	827	684	2777
35	85	860	551	2855
40	136	872	442	2900
45	215	864	359	2913
50	321	834	304	2892
55	454	783	276	2838
60	612	713	274	2752
65	791	626	297	2637
70	988	525	343	2495
75	1199	413	408	2330
80	1419	294	491	2147
85	1644	173	586	1949
90	1867	53	689	1742
95	2083	(59)	796	1531
100	2287	(160)	903	1321
105	2473	(244)	1005	1118
110	2636	(309)	1098	925
115	2773	(350)	1179	748
120	2879	(364)	1245	591
125	2951	(348)	1292	456
130	2988	(303)	1320	346
135	2987	(226)	1326	263
140	2949	(118)	1311	207
145	2875	20	1275	180
150	2765	186	1220	180
155	2622	377	1146	206
160	2450	589	1057	255
165	2252	818	956	325
170	2034	1059	847	411
175	1800	1306	734	511
180	1555	1555	620	620

MAX (kg)	2988	1555	1810	2913
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(kg)