

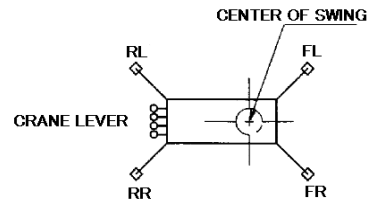
MC-305C OUTRIGGER REACTION FORCE CALCULATION

WORKING RADIUS 2700 mm

LIFTING LOAD 2240 kg

STAGE 3

EXTENDED OUTRIGGERS MID (MAX, MID, MIN)



θ	FR	FL	RL	RR
0	1012	1012	2432	2432
5	1043	987	2316	2542
10	1080	966	2197	2645
15	1125	949	2077	2738
20	1178	933	1958	2819
25	1241	918	1842	2887
30	1313	903	1731	2941
35	1396	888	1626	2978
40	1488	872	1529	2999
45	1590	854	1441	3002
50	1701	835	1363	2988
55	1821	816	1295	2957
60	1946	795	1237	2909
65	2078	775	1190	2846
70	2212	756	1152	2768
75	2348	740	1123	2677
80	2483	727	1103	2575
85	2615	718	1090	2464
90	2742	717	1083	2346
95	2861	723	1081	2223
100	2970	738	1082	2098
105	3067	763	1086	1972
110	3150	799	1091	1848
115	3217	848	1095	1728
120	3267	909	1098	1614
125	3298	984	1100	1507
130	3309	1072	1099	1409
135	3301	1172	1095	1320
140	3273	1285	1088	1242
145	3225	1409	1079	1176
150	3158	1543	1067	1120
155	3074	1685	1054	1076
160	2974	1833	1039	1042
165	2858	1986	1025	1018
170	2731	2141	1013	1004
175	2593	2295	1003	997
180	2447	2447	998	998

MAX (kg)	3309	2447	2432	3002
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(kg)