

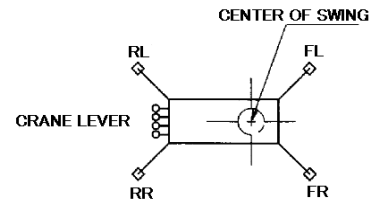
# MC-305C OUTRIGGER REACTION FORCE CALCULATION

WORKING RADIUS 2500 mm

LIFTING LOAD 2900 kg

STAGE 2

EXTENDED OUTRIGGERS MIN (MAX, MID, MIN)



$\theta$	FR	FL	RL	RR
0	1100	1100	2757	2757
5	1142	1065	2608	2898
10	1192	1036	2456	3030
15	1252	1010	2302	3150
20	1322	986	2150	3255
25	1405	963	2002	3343
30	1500	940	1861	3412
35	1609	916	1728	3460
40	1730	890	1606	3487
45	1864	862	1495	3492
50	2009	832	1397	3475
55	2165	800	1313	3435
60	2330	768	1241	3374
65	2501	736	1184	3293
70	2677	705	1139	3193
75	2854	677	1105	3077
80	3030	654	1083	2947
85	3201	638	1070	2804
90	3366	630	1064	2653
95	3520	632	1065	2496
100	3660	647	1070	2336
105	3785	676	1077	2176
110	3890	720	1086	2018
115	3974	780	1094	1865
120	4035	858	1100	1720
125	4071	954	1103	1584
130	4082	1068	1103	1460
135	4066	1199	1099	1349
140	4024	1347	1090	1252
145	3956	1511	1078	1169
150	3863	1688	1062	1100
155	3747	1876	1044	1046
160	3609	2074	1024	1006
165	3452	2278	1004	979
170	3279	2485	986	963
175	3092	2692	971	958
180	2896	2896	961	961

<b>MAX (kg)</b>	<b>4082</b>	<b>2896</b>	<b>2757</b>	<b>3492</b>
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(kg)