

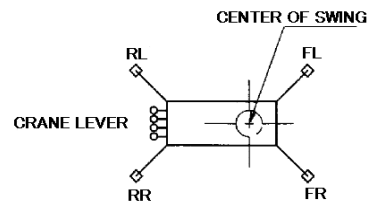
# MC-305C OUTRIGGER REACTION FORCE CALCULATION

WORKING RADIUS 4000 mm

LIFTING LOAD 1640 kg

STAGE 2

EXTENDED OUTRIGGERS MAX (MAX, MID, MIN)



$\theta$	FR	FL	RL	RR
0	713	713	2361	2361
5	719	713	2213	2504
10	732	717	2062	2637
15	756	724	1910	2759
20	790	730	1762	2866
25	838	735	1620	2956
30	899	736	1486	3027
35	975	734	1363	3077
40	1065	727	1251	3105
45	1171	714	1154	3110
50	1290	695	1070	3093
55	1422	671	1002	3053
60	1565	643	948	2991
65	1718	611	910	2909
70	1878	578	884	2808
75	2043	543	872	2691
80	2209	510	870	2559
85	2374	481	877	2416
90	2533	458	892	2265
95	2685	442	912	2109
100	2826	437	935	1950
105	2953	443	959	1792
110	3063	463	983	1639
115	3154	499	1003	1492
120	3223	551	1020	1355
125	3270	620	1031	1229
130	3291	706	1035	1116
135	3288	810	1033	1017
140	3260	930	1023	935
145	3207	1067	1007	868
150	3130	1217	984	817
155	3031	1379	957	782
160	2911	1551	925	761
165	2773	1730	891	754
170	2620	1913	857	758
175	2454	2097	825	773
180	2278	2278	796	796

MAX (kg)	3291	2278	2361	3110
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(kg)