

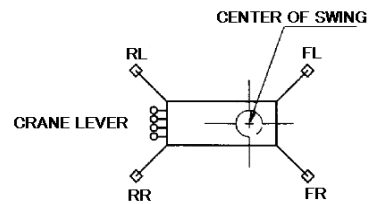
# MC-305C OUTRIGGER REACTION FORCE CALCULATION

WORKING RADIUS 4500 mm

LIFTING LOAD 745 kg

STAGE 5

EXTENDED OUTRIGGERS MAX (MAX, MID, MIN)



$\theta$	FR	FL	RL	RR
0	720	720	1794	1794
5	724	718	1712	1873
10	734	719	1628	1947
15	749	721	1544	2014
20	769	723	1462	2073
25	798	725	1383	2123
30	833	725	1308	2162
35	877	722	1239	2189
40	928	718	1177	2205
45	988	710	1122	2208
50	1055	700	1074	2198
55	1129	687	1035	2176
60	1209	672	1004	2142
65	1295	655	981	2096
70	1384	637	966	2041
75	1476	619	958	1976
80	1568	602	955	1903
85	1659	587	958	1824
90	1748	576	964	1740
95	1832	568	974	1653
100	1910	567	986	1565
105	1980	572	998	1478
110	2041	585	1010	1392
115	2091	606	1020	1311
120	2129	636	1028	1234
125	2155	676	1034	1163
130	2167	725	1036	1100
135	2165	784	1034	1045
140	2149	852	1029	998
145	2119	928	1020	960
150	2077	1013	1008	930
155	2021	1103	994	909
160	1955	1199	977	896
165	1878	1299	959	891
170	1793	1401	941	892
175	1701	1503	925	899
180	1604	1604	910	910

MAX (kg)	2167	1604	1794	2208
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(kg)