

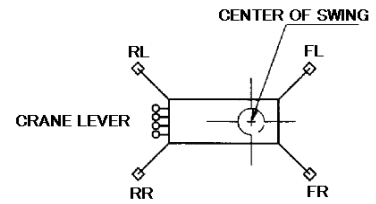
# MC-305C OUTRIGGER REACTION FORCE CALCULATION

WORKING RADIUS 5500 mm

LIFTING LOAD 920 kg

STAGE 3

EXTENDED OUTRIGGERS MAX (MAX, MID, MIN)



$\theta$	FR	FL	RL	RR
0	546	546	2077	2077
5	528	570	1925	2224
10	517	596	1772	2362
15	516	623	1619	2488
20	527	648	1472	2600
25	552	668	1332	2695
30	592	683	1202	2769
35	648	691	1085	2823
40	720	691	983	2853
45	810	682	896	2860
50	916	663	825	2843
55	1037	637	772	2802
60	1171	602	735	2739
65	1318	561	714	2654
70	1473	515	708	2550
75	1636	466	716	2429
80	1801	416	735	2294
85	1967	368	764	2148
90	2130	324	799	1993
95	2285	288	840	1835
100	2430	260	882	1675
105	2562	244	924	1517
110	2677	243	963	1365
115	2772	257	997	1221
120	2846	289	1024	1088
125	2896	339	1043	969
130	2921	408	1053	865
135	2920	496	1053	777
140	2894	603	1043	707
145	2842	728	1023	655
150	2765	868	993	620
155	2665	1023	956	603
160	2544	1189	913	601
165	2405	1364	864	613
170	2250	1544	814	638
175	2083	1727	764	673
180	1908	1908	716	716

MAX (kg)	2921	1908	2077	2860
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(kg)