

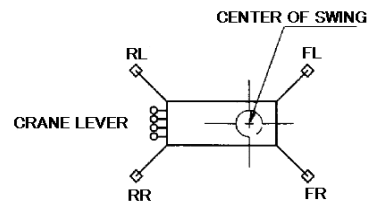
# MC-305C OUTRIGGER REACTION FORCE CALCULATION

WORKING RADIUS 9000 mm

LIFTING LOAD 290 kg

STAGE 5

EXTENDED OUTRIGGERS MID (MAX, MID, MIN)



$\theta$	FR	FL	RL	RR
0	463	463	1762	1762
5	418	512	1612	1908
10	380	563	1462	2046
15	352	611	1315	2174
20	335	655	1174	2287
25	333	692	1042	2383
30	348	720	923	2459
35	380	738	819	2514
40	430	743	731	2546
45	500	736	660	2554
50	587	716	609	2539
55	692	684	575	2499
60	814	641	560	2436
65	949	587	563	2352
70	1096	525	581	2249
75	1251	457	613	2129
80	1412	386	657	1995
85	1575	315	710	1851
90	1736	246	770	1699
95	1891	183	833	1544
100	2037	128	897	1389
105	2170	85	958	1237
110	2286	57	1015	1093
115	2383	45	1064	959
120	2459	51	1104	837
125	2510	77	1133	731
130	2536	124	1149	642
135	2536	192	1151	571
140	2509	281	1141	520
145	2457	390	1117	488
150	2379	517	1081	474
155	2278	660	1034	479
160	2156	817	977	500
165	2016	985	914	536
170	1860	1160	846	584
175	1693	1340	776	642
180	1518	1518	707	707

MAX (kg)	2536	1518	1762	2554
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(kg)