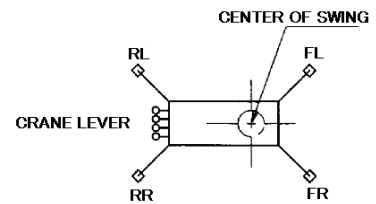


MC-305C OUTRIGGER REACTION FORCE CALCULATION

WORKING RADIUS 9990 mm
 LIFTING LOAD 320 kg
 STAGE 4
 EXTENDED OUTRIGGERS MID (MAX, MID, MIN)



θ	FR	FL	RL	RR
0	367	367	1877	1877
5	291	448	1676	2073
10	224	529	1475	2260
15	170	607	1278	2432
20	133	678	1092	2585
25	115	738	919	2716
30	120	784	764	2820
35	150	814	629	2895
40	205	827	518	2939
45	286	820	431	2950
50	394	794	371	2929
55	526	750	336	2876
60	681	688	327	2792
65	856	611	342	2679
70	1049	522	378	2540
75	1254	422	434	2378
80	1467	317	506	2198
85	1684	210	590	2004
90	1899	105	683	1801
95	2107	8	779	1593
100	2304	(79)	876	1387
105	2483	(150)	969	1186
110	2641	(202)	1055	995
115	2774	(232)	1129	818
120	2877	(237)	1188	660
125	2948	(215)	1231	524
130	2985	(164)	1256	411
135	2987	(84)	1261	324
140	2953	25	1247	264
145	2884	161	1213	230
150	2781	323	1161	223
155	2647	509	1092	241
160	2485	713	1009	281
165	2298	933	916	341
170	2092	1164	815	418
175	1870	1400	710	508
180	1637	1637	607	607

MAX (kg)	2987	1637	1877	2950
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(kg)