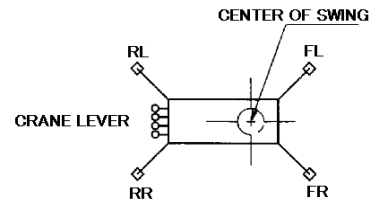


# MC-285C OUTRIGGER REACTION FORCE CALCULATION

WORKING RADIUS 4000 mm  
 LIFTING LOAD 310 kg  
 STAGE 5  
 EXTENDED OUTRIGGERS MIN



$\theta$	FR	FL	RL	RR
0	285	285	879	879
5	255	318	754	1002
10	230	351	629	1119
15	211	382	508	1227
20	200	410	394	1324
25	200	433	289	1407
30	211	448	195	1474
35	234	456	115	1524
40	271	455	49	1554
45	320	444	(0)	1564
50	383	424	(33)	1554
55	458	395	(49)	1525
60	544	358	(49)	1476
65	640	313	(34)	1410
70	744	262	(5)	1327
75	854	207	36	1230
80	968	150	88	1123
85	1083	92	147	1006
90	1196	37	212	884
95	1304	(14)	279	759
100	1406	(58)	345	635
105	1497	(93)	410	514
110	1577	(118)	469	400
115	1642	(130)	520	295
120	1692	(128)	563	202
125	1724	(111)	594	121
130	1737	(79)	614	56
135	1732	(30)	620	7
140	1707	34	614	(26)
145	1663	112	595	(42)
150	1601	205	564	(43)
155	1523	311	523	(27)
160	1429	426	472	1
165	1322	551	413	43
170	1204	681	349	94
175	1079	814	283	153
180	948	948	217	217

<b>MAX (kg)</b>	<b>1737</b>	<b>948</b>	<b>879</b>	<b>1564</b>
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(k g)