

MC-285C OUTRIGGER REACTION FORCE CALCULATION

WORKING RADIUS 5000 mm
 LIFTING LOAD 210 kg
 STAGE 4
 EXTENDED OUTRIGGERS MIN



θ	FR	FL	RL	RR
0	263	263	839	839
5	218	309	702	974
10	179	356	566	1103
15	147	400	434	1223
20	124	439	310	1330
25	112	472	197	1422
30	114	496	97	1497
35	130	510	12	1551
40	160	513	(55)	1585
45	206	504	(103)	1596
50	267	483	(133)	1586
55	343	452	(144)	1553
60	432	409	(136)	1499
65	533	357	(111)	1425
70	643	298	(71)	1333
75	761	233	(16)	1226
80	883	164	49	1107
85	1008	94	123	978
90	1131	26	202	844
95	1250	(38)	284	707
100	1362	(95)	366	571
105	1464	(143)	443	440
110	1553	(179)	514	316
115	1626	(202)	576	203
120	1682	(209)	627	103
125	1719	(200)	665	19
130	1736	(173)	688	(48)
135	1732	(128)	696	(97)
140	1707	(66)	689	(126)
145	1661	13	666	(137)
150	1596	109	629	(130)
155	1512	218	579	(105)
160	1411	340	517	(65)
165	1296	471	447	(11)
170	1170	609	369	55
175	1035	751	289	128
180	894	894	207	207

MAX (kg)	1736	894	839	1596
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(k g)