

MC-285C OUTRIGGER REACTION FORCE CALCULATION

WORKING RADIUS 4000 mm
 LIFTING LOAD 310 kg
 STAGE 3
 EXTENDED OUTRIGGERS MIN



θ	FR	FL	RL	RR
0	276	276	888	888
5	243	312	757	1017
10	214	348	626	1140
15	193	383	499	1254
20	180	413	380	1356
25	178	438	269	1443
30	188	455	171	1514
35	211	464	88	1566
40	248	464	20	1597
45	298	453	(31)	1608
50	363	432	(65)	1598
55	441	402	(81)	1567
60	530	362	(80)	1516
65	631	315	(62)	1446
70	739	261	(30)	1359
75	854	202	14	1257
80	973	141	70	1144
85	1093	80	133	1022
90	1212	21	202	893
95	1326	(34)	274	762
100	1432	(81)	345	632
105	1529	(120)	414	506
110	1613	(147)	476	386
115	1682	(161)	532	276
120	1734	(160)	577	178
125	1768	(144)	610	95
130	1782	(111)	631	27
135	1776	(62)	638	(24)
140	1751	4	632	(58)
145	1705	86	611	(74)
150	1640	182	579	(73)
155	1558	292	534	(56)
160	1460	412	480	(24)
165	1348	542	417	21
170	1225	678	349	76
175	1094	817	278	139
180	957	957	207	207

MAX (kg)	1782	957	888	1608
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(k g)