

MC-285C OUTRIGGER REACTION FORCE CALCULATION

WORKING RADIUS 4500 mm
 LIFTING LOAD 260 kg
 STAGE 4
 EXTENDED OUTRIGGERS MIN



θ	FR	FL	RL	RR
0	267	267	866	866
5	228	309	731	999
10	193	350	596	1126
15	166	390	466	1244
20	148	425	343	1350
25	141	454	230	1440
30	147	475	130	1513
35	166	487	46	1567
40	200	488	(22)	1600
45	249	478	(73)	1611
50	312	458	(105)	1601
55	390	426	(118)	1568
60	480	385	(114)	1515
65	581	335	(92)	1443
70	691	277	(56)	1353
75	809	215	(5)	1248
80	930	150	56	1130
85	1054	83	125	1004
90	1176	19	200	871
95	1293	(41)	277	736
100	1403	(94)	354	602
105	1503	(137)	428	472
110	1591	(169)	496	349
115	1662	(188)	555	237
120	1717	(191)	603	137
125	1753	(179)	639	52
130	1769	(149)	661	(16)
135	1764	(101)	669	(66)
140	1738	(37)	662	(98)
145	1692	45	640	(111)
150	1626	141	605	(107)
155	1543	252	557	(86)
160	1443	374	499	(49)
165	1328	505	432	1
170	1203	644	358	61
175	1068	786	282	130
180	928	928	205	205

MAX (kg)	1769	928	866	1611
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(k g)