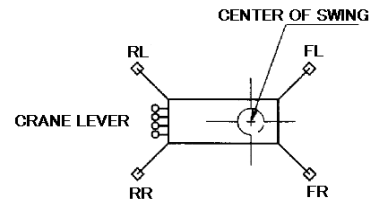


MC-285C OUTRIGGER REACTION FORCE CALCULATION

WORKING RADIUS 5500 mm
 LIFTING LOAD 160 kg
 STAGE 5
 EXTENDED OUTRIGGERS MIN



θ	FR	FL	RL	RR
0	274	274	796	796
5	231	319	669	922
10	192	365	542	1042
15	161	407	420	1153
20	137	445	305	1253
25	125	477	200	1339
30	125	500	108	1408
35	137	514	30	1459
40	164	517	(31)	1490
45	206	510	(75)	1501
50	261	491	(102)	1491
55	330	462	(111)	1460
60	412	422	(102)	1410
65	504	373	(78)	1341
70	606	318	(39)	1256
75	715	256	13	1156
80	829	191	76	1045
85	944	125	146	926
90	1059	60	221	801
95	1169	(1)	299	673
100	1273	(55)	376	547
105	1368	(101)	449	425
110	1451	(137)	516	311
115	1519	(159)	575	206
120	1572	(167)	623	114
125	1607	(160)	658	36
130	1623	(137)	680	(25)
135	1619	(97)	688	(69)
140	1596	(40)	681	(96)
145	1554	32	659	(105)
150	1494	120	624	(97)
155	1416	220	577	(72)
160	1323	332	519	(33)
165	1217	453	452	19
170	1100	581	379	81
175	975	713	303	151
180	845	845	225	225

MAX (kg)	1623	845	796	1501
-----------------	-------------	------------	------------	-------------

(k g)