



## Outrigger Reaction Force Calculation

Model	MC405C
Working Radius	2700mm
Lift Load	3800 Kg
Boom Stage	2 Section
Outriggers Extended	Maximum

Degrees	Front Right	Front Left	Rear Left	Rear Right
0	1823	1823	3801	3801
5	1837	1781	3639	3954
10	1932	1747	3471	4097
15	2002	1719	3301	4225
20	2084	1695	3132	4337
25	2178	1675	2965	4429
30	2284	1657	2804	4501
35	2403	1641	2651	4551
40	2535	1627	2508	4577
45	2678	1614	2376	4580
50	2832	1601	2256	4557
55	2996	1590	2150	4511
60	3167	1581	2057	4442
65	3345	1574	1977	4351
70	3526	1570	1911	4240
75	3709	1571	1857	4110
80	3890	1578	1814	3965
85	4067	1592	1782	3807
90	4237	1614	1758	3639
95	4396	1647	1714	3463
100	4543	1691	1730	3283
105	4675	1747	1723	3103
110	4789	1817	1718	2924
115	4882	1901	1714	2750
120	4954	1999	1711	2583
125	5003	2113	1706	2425
130	5028	2241	1699	2279
135	5027	2383	1690	2147
140	5002	2538	1679	2028
145	4952	2705	1666	1924
150	4878	2883	1651	1835
155	4782	3068	1636	1762
160	4664	3259	1621	1703
165	4527	3454	1608	1658
170	4374	3649	1598	1626
175	4207	3841	1594	1606
180	4028	4028	1595	1595

MAX (Kg)	5028	4028	3801	4580
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