

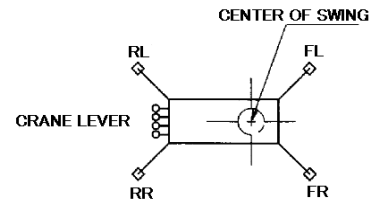
MC-305C OUTRIGGER REACTION FORCE CALCULATION

WORKING RADIUS 4000 mm

LIFTING LOAD 1030 kg

STAGE 4

EXTENDED OUTRIGGERS MID (MAX, MID, MIN)



| θ | FR | FL | RL | RR |
|----------|------|------|------|------|
| 0 | 729 | 729 | 1958 | 1958 |
| 5 | 737 | 726 | 1856 | 2057 |
| 10 | 749 | 726 | 1751 | 2149 |
| 15 | 769 | 727 | 1647 | 2233 |
| 20 | 796 | 728 | 1544 | 2307 |
| 25 | 832 | 728 | 1446 | 2369 |
| 30 | 878 | 726 | 1353 | 2418 |
| 35 | 933 | 722 | 1268 | 2453 |
| 40 | 999 | 713 | 1191 | 2473 |
| 45 | 1075 | 701 | 1123 | 2477 |
| 50 | 1160 | 686 | 1065 | 2465 |
| 55 | 1254 | 667 | 1017 | 2437 |
| 60 | 1356 | 645 | 980 | 2395 |
| 65 | 1464 | 620 | 953 | 2338 |
| 70 | 1577 | 595 | 935 | 2268 |
| 75 | 1693 | 569 | 926 | 2187 |
| 80 | 1809 | 545 | 925 | 2097 |
| 85 | 1925 | 523 | 930 | 1998 |
| 90 | 2036 | 506 | 940 | 1894 |
| 95 | 2142 | 495 | 953 | 1786 |
| 100 | 2240 | 491 | 969 | 1676 |
| 105 | 2327 | 495 | 986 | 1567 |
| 110 | 2403 | 510 | 1002 | 1461 |
| 115 | 2465 | 535 | 1016 | 1360 |
| 120 | 2511 | 573 | 1027 | 1265 |
| 125 | 2541 | 622 | 1034 | 1178 |
| 130 | 2554 | 685 | 1038 | 1099 |
| 135 | 2549 | 759 | 1036 | 1031 |
| 140 | 2527 | 846 | 1030 | 974 |
| 145 | 2487 | 943 | 1019 | 927 |
| 150 | 2430 | 1051 | 1003 | 892 |
| 155 | 2357 | 1167 | 984 | 867 |
| 160 | 2270 | 1291 | 963 | 852 |
| 165 | 2170 | 1419 | 940 | 847 |
| 170 | 2059 | 1551 | 917 | 850 |
| 175 | 1939 | 1683 | 894 | 860 |
| 180 | 1813 | 1813 | 875 | 875 |

| | | | | |
|----------|------|------|------|------|
| MAX (kg) | 2554 | 1813 | 1958 | 2477 |
|----------|------|------|------|------|

(kg)