

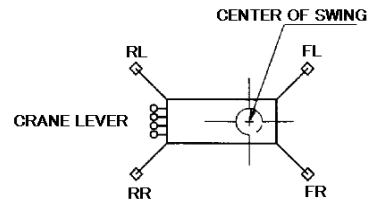
MC-305C OUTRIGGER REACTION FORCE CALCULATION

WORKING RADIUS 9000 mm

LIFTING LOAD 290 kg

STAGE 5

EXTENDED OUTRIGGERS MIN (MAX, MID, MIN)



| θ | FR | FL | RL | RR |
|----------|------|-------|------|------|
| 0 | 426 | 426 | 1799 | 1799 |
| 5 | 368 | 489 | 1626 | 1968 |
| 10 | 317 | 553 | 1453 | 2128 |
| 15 | 277 | 614 | 1284 | 2276 |
| 20 | 252 | 669 | 1123 | 2407 |
| 25 | 243 | 715 | 974 | 2519 |
| 30 | 254 | 750 | 839 | 2608 |
| 35 | 287 | 770 | 722 | 2672 |
| 40 | 341 | 776 | 624 | 2710 |
| 45 | 417 | 766 | 547 | 2720 |
| 50 | 516 | 740 | 493 | 2702 |
| 55 | 636 | 698 | 460 | 2656 |
| 60 | 776 | 641 | 449 | 2584 |
| 65 | 933 | 572 | 459 | 2487 |
| 70 | 1103 | 492 | 487 | 2368 |
| 75 | 1284 | 405 | 531 | 2230 |
| 80 | 1472 | 313 | 590 | 2075 |
| 85 | 1663 | 221 | 659 | 1909 |
| 90 | 1851 | 131 | 735 | 1734 |
| 95 | 2033 | 47 | 815 | 1556 |
| 100 | 2204 | (26) | 895 | 1378 |
| 105 | 2359 | (85) | 972 | 1204 |
| 110 | 2495 | (127) | 1043 | 1040 |
| 115 | 2609 | (149) | 1104 | 887 |
| 120 | 2696 | (149) | 1154 | 750 |
| 125 | 2755 | (125) | 1190 | 631 |
| 130 | 2783 | (76) | 1211 | 532 |
| 135 | 2781 | (1) | 1215 | 456 |
| 140 | 2747 | 100 | 1203 | 401 |
| 145 | 2682 | 225 | 1174 | 370 |
| 150 | 2588 | 372 | 1130 | 361 |
| 155 | 2466 | 540 | 1073 | 372 |
| 160 | 2319 | 724 | 1004 | 404 |
| 165 | 2150 | 922 | 926 | 452 |
| 170 | 1964 | 1130 | 842 | 515 |
| 175 | 1764 | 1343 | 756 | 588 |
| 180 | 1556 | 1556 | 670 | 670 |

| | | | | |
|----------|------|------|------|------|
| MAX (kg) | 2783 | 1556 | 1799 | 2720 |
|----------|------|------|------|------|

(k g)