

MC-305C-2 OUTRIGGER REACTION FORCE CALCULATION

(静、動荷重係数考慮)

WORKING RADIUS 6000 mm

LIFTING LOAD 470 kg

STAGE 5

EXTENDED OUTRIGGERS MID

| θ | FR | FL | RL | RR |
|----------|------|------|------|------|
| 0 | 561 | 561 | 1923 | 1923 |
| 5 | 538 | 588 | 1778 | 2064 |
| 10 | 522 | 617 | 1631 | 2197 |
| 15 | 515 | 645 | 1487 | 2320 |
| 20 | 519 | 672 | 1348 | 2429 |
| 25 | 536 | 694 | 1217 | 2521 |
| 30 | 566 | 710 | 1097 | 2595 |
| 35 | 611 | 719 | 990 | 2648 |
| 40 | 672 | 720 | 897 | 2679 |
| 45 | 748 | 712 | 820 | 2687 |
| 50 | 840 | 695 | 760 | 2673 |
| 55 | 945 | 669 | 717 | 2636 |
| 60 | 1064 | 636 | 691 | 2577 |
| 65 | 1194 | 595 | 681 | 2498 |
| 70 | 1332 | 550 | 685 | 2401 |
| 75 | 1477 | 501 | 703 | 2287 |
| 80 | 1626 | 451 | 732 | 2159 |
| 85 | 1775 | 402 | 770 | 2021 |
| 90 | 1921 | 356 | 814 | 1876 |
| 95 | 2062 | 317 | 863 | 1727 |
| 100 | 2193 | 285 | 913 | 1577 |
| 105 | 2312 | 265 | 962 | 1429 |
| 110 | 2416 | 257 | 1007 | 1288 |
| 115 | 2502 | 264 | 1047 | 1154 |
| 120 | 2569 | 287 | 1080 | 1033 |
| 125 | 2614 | 326 | 1103 | 924 |
| 130 | 2637 | 384 | 1117 | 831 |
| 135 | 2636 | 459 | 1119 | 754 |
| 140 | 2612 | 551 | 1111 | 694 |
| 145 | 2564 | 660 | 1092 | 652 |
| 150 | 2494 | 785 | 1062 | 627 |
| 155 | 2403 | 922 | 1024 | 618 |
| 160 | 2294 | 1070 | 979 | 625 |
| 165 | 2167 | 1227 | 928 | 645 |
| 170 | 2027 | 1389 | 875 | 677 |
| 175 | 1876 | 1553 | 820 | 719 |
| 180 | 1717 | 1717 | 767 | 767 |

| | | | | |
|-----------------|-------------|-------------|-------------|-------------|
| MAX (kg) | 2637 | 1717 | 1923 | 2687 |
|-----------------|-------------|-------------|-------------|-------------|

(unit:kgf)