

MC-305C-2 OUTRIGGER REACTION FORCE CALCULATION

(静、動荷重係数考慮)

WORKING RADIUS 3500 mm

LIFTING LOAD 1650 kg

STAGE 3

EXTENDED OUTRIGGERS MID

| θ | FR | FL | RL | RR |
|----------|------|------|------|------|
| 0 | 662 | 662 | 2559 | 2559 |
| 5 | 659 | 672 | 2362 | 2750 |
| 10 | 666 | 686 | 2161 | 2929 |
| 15 | 685 | 702 | 1962 | 3093 |
| 20 | 719 | 717 | 1768 | 3239 |
| 25 | 769 | 729 | 1584 | 3361 |
| 30 | 836 | 736 | 1412 | 3459 |
| 35 | 922 | 736 | 1255 | 3529 |
| 40 | 1028 | 728 | 1116 | 3570 |
| 45 | 1153 | 713 | 997 | 3581 |
| 50 | 1296 | 688 | 898 | 3561 |
| 55 | 1456 | 656 | 820 | 3511 |
| 60 | 1632 | 616 | 763 | 3432 |
| 65 | 1820 | 571 | 727 | 3325 |
| 70 | 2018 | 522 | 710 | 3194 |
| 75 | 2222 | 471 | 709 | 3040 |
| 80 | 2429 | 421 | 724 | 2868 |
| 85 | 2635 | 375 | 751 | 2681 |
| 90 | 2836 | 336 | 788 | 2484 |
| 95 | 3027 | 306 | 831 | 2280 |
| 100 | 3204 | 288 | 877 | 2074 |
| 105 | 3364 | 285 | 924 | 1870 |
| 110 | 3503 | 300 | 968 | 1672 |
| 115 | 3617 | 334 | 1007 | 1484 |
| 120 | 3705 | 390 | 1039 | 1309 |
| 125 | 3763 | 467 | 1062 | 1150 |
| 130 | 3790 | 568 | 1074 | 1010 |
| 135 | 3786 | 691 | 1075 | 890 |
| 140 | 3750 | 836 | 1065 | 792 |
| 145 | 3683 | 1001 | 1044 | 715 |
| 150 | 3585 | 1185 | 1012 | 661 |
| 155 | 3459 | 1386 | 971 | 627 |
| 160 | 3307 | 1599 | 923 | 613 |
| 165 | 3133 | 1822 | 871 | 617 |
| 170 | 2939 | 2051 | 816 | 637 |
| 175 | 2730 | 2281 | 762 | 670 |
| 180 | 2509 | 2509 | 712 | 712 |

| | | | | |
|-----------------|-------------|-------------|-------------|-------------|
| MAX (kg) | 3790 | 2509 | 2559 | 3581 |
|-----------------|-------------|-------------|-------------|-------------|

(unit:kgf)