

# MC-305C-2 OUTRIGGER REACTION FORCE CALCULATION

(静、動荷重係数考慮)

WORKING RADIUS 6000 mm

LIFTING LOAD 740 kg

STAGE 4

EXTENDED OUTRIGGERS MAX

| $\theta$ | FR   | FL   | RL   | RR   |
|----------|------|------|------|------|
| 0        | 476  | 476  | 2176 | 2176 |
| 5        | 439  | 519  | 1985 | 2362 |
| 10       | 411  | 565  | 1792 | 2537 |
| 15       | 395  | 610  | 1602 | 2698 |
| 20       | 393  | 652  | 1419 | 2841 |
| 25       | 408  | 687  | 1247 | 2962 |
| 30       | 443  | 714  | 1090 | 3059 |
| 35       | 497  | 731  | 949  | 3128 |
| 40       | 573  | 736  | 828  | 3169 |
| 45       | 670  | 728  | 728  | 3179 |
| 50       | 788  | 708  | 650  | 3159 |
| 55       | 926  | 676  | 595  | 3109 |
| 60       | 1081 | 632  | 561  | 3031 |
| 65       | 1252 | 579  | 549  | 2925 |
| 70       | 1435 | 518  | 557  | 2795 |
| 75       | 1628 | 452  | 581  | 2644 |
| 80       | 1826 | 384  | 621  | 2475 |
| 85       | 2025 | 317  | 672  | 2292 |
| 90       | 2221 | 253  | 732  | 2099 |
| 95       | 2409 | 197  | 798  | 1901 |
| 100      | 2586 | 152  | 865  | 1703 |
| 105      | 2746 | 121  | 930  | 1508 |
| 110      | 2887 | 107  | 991  | 1321 |
| 115      | 3005 | 112  | 1044 | 1145 |
| 120      | 3097 | 138  | 1087 | 984  |
| 125      | 3160 | 187  | 1117 | 842  |
| 130      | 3193 | 259  | 1134 | 719  |
| 135      | 3195 | 355  | 1137 | 619  |
| 140      | 3165 | 474  | 1125 | 541  |
| 145      | 3105 | 615  | 1098 | 487  |
| 150      | 3015 | 776  | 1058 | 456  |
| 155      | 2897 | 955  | 1006 | 447  |
| 160      | 2754 | 1149 | 945  | 458  |
| 165      | 2588 | 1355 | 875  | 487  |
| 170      | 2404 | 1567 | 802  | 532  |
| 175      | 2206 | 1783 | 727  | 589  |
| 180      | 1997 | 1997 | 655  | 655  |

|                 |             |             |             |             |
|-----------------|-------------|-------------|-------------|-------------|
| <b>MAX (kg)</b> | <b>3195</b> | <b>1997</b> | <b>2176</b> | <b>3179</b> |
|-----------------|-------------|-------------|-------------|-------------|

(unit:kgf)