

# Center of Gravity

Boom No. B60:680

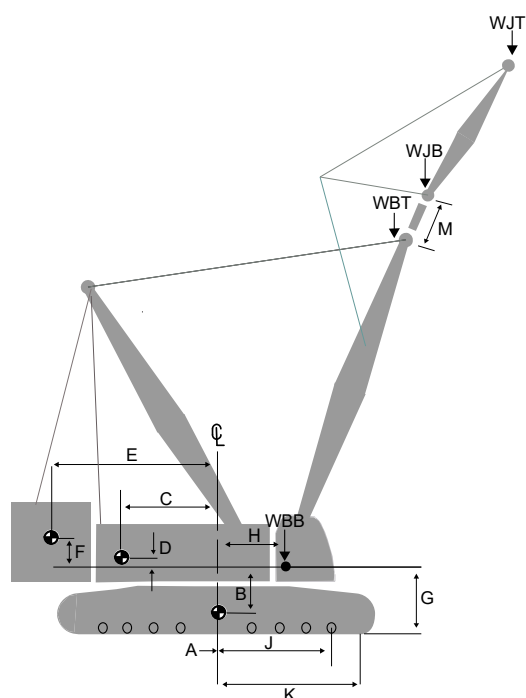
## MLC650 VPC-MAX

| WEIGHT AND CENTER OF GRAVITY                                                |                 |             |
|-----------------------------------------------------------------------------|-----------------|-------------|
|                                                                             | Dimension (in.) | Weight (lb) |
| A                                                                           | 0.0             | 224,982     |
| B                                                                           | 88.8            |             |
| C                                                                           | 178.3           | 239,484     |
| D                                                                           | 220.5           |             |
| SERIES 1                                                                    |                 |             |
| E min                                                                       | 179.7           | 513,666     |
| E mid                                                                       | 443.3           |             |
| E max                                                                       | 699.2           |             |
| F                                                                           | 14.8            |             |
| SERIES 2                                                                    |                 |             |
| E min                                                                       | 173.0           | 734,128     |
| E mid                                                                       | 449.7           |             |
| E max                                                                       | 705.6           |             |
| F                                                                           | 43.1            |             |
| SERIES 3                                                                    |                 |             |
| E min                                                                       | 169.4           | 954,590     |
| E mid                                                                       | 453.1           |             |
| E max                                                                       | 709.0           |             |
| F                                                                           | 72.0            |             |
| <i>E mid</i> is the maximum counterweight position prior to beam extension. |                 |             |

| LATTICE WEIGHTS |             |          |
|-----------------|-------------|----------|
| Jib Length (ft) | Jib No. 148 |          |
|                 | WJB (lb)    | WJT (lb) |
| 39.4            | 6,209       | 3,182    |
| 59.1            | 6,803       | 3,918    |
| 78.7            | 7,408       | 4,643    |
| 98.4            | 8,028       | 5,353    |
| 118.1           | 8,571       | 5,816    |
| 137.8           | 9,219       | 6,497    |

| REFERENCE DIMENSIONS (in.) |       |
|----------------------------|-------|
| G                          | 122.6 |
| H                          | 60.0  |
| J                          | 162.1 |
| K                          | 193.7 |
| M                          | 15.9  |
| N                          | 154.4 |
| 60 in. Pads                |       |
| P                          | 50.0  |
| R                          | 55.0  |
| T                          | 60.0  |
| 80 in. Pads                |       |
| P                          | 70.0  |
| R                          | 75.7  |
| T                          | 80.0  |

| LATTICE WEIGHTS  |                  |          |
|------------------|------------------|----------|
| Boom Length (ft) | Boom No. B60:680 |          |
|                  | WBB (lb)         | WBT (lb) |
| 144.4            | 112,190          | 79,837   |
| 164.0            | 119,178          | 84,302   |
| 183.7            | 126,322          | 89,475   |
| 203.4            | 133,081          | 94,167   |
| 223.1            | 138,762          | 95,565   |
| 242.8            | 145,280          | 100,499  |
| 262.5            | 150,556          | 103,443  |
| 282.2            | 156,718          | 108,733  |
| 301.8            | 161,846          | 111,825  |
| 321.5            | 167,770          | 117,353  |
| 341.2            | 172,806          | 120,537  |
| 360.9            | 178,607          | 126,035  |
| 380.6            | 182,921          | 126,040  |
| 400.3            | 188,748          | 131,666  |
| 419.9            | 192,334          | 132,400  |
| 439.6            | 198,243          | 137,943  |
| 459.3            | 201,715          | 138,791  |
| 479.0            | 207,693          | 144,265  |



Note 1: Weight of all load blocks, hooks, weight ball, slings, hoist lines etc., beneath boom and jib point sheaves is not considered part of boom and jib weights. All items suspended from boom or jib must be considered part of the load.

Note 2: Consult proper crane capacity chart for lifting capacities and allowable boom and jib combinations.

**Not to be used for crane rating purposes.**

