

Elite Loader with MT27 boom

The main boom pivot point is located at 12'6" (3.81 m) height.

Loader Hydraulic Lift Capacity Chart Do not attempt to lift or hold any load that is greater than these rated values at their specified lift point radius and height.

The lift point is located at the grapple pivot point.

Table 9: MT27 Main Boom Loader Hydraulic Lift Capacity Chart

| LIFT POINT HEIGHT ft(m) | RATED LIFT CAPACITY lb(kg) | | | | | | |
|-------------------------------|-------------------------------|-------------------|---------------------|---------------------|---------------------|------------------|--------------------|
| | LIFT POINT RADIUS ft(kg) | | | | | At full reach | |
| | Reach (ft/m) | | | | | Reach ft(m) | Load lb(kg) |
| | 5 (1.52 m) | 10 (3 m) | 15 (4.57 m) | 20 (6.1 m) | 25 (7.62 m) | | |
| 35 (10.67 m) | | | *3040 (*1378 kg) | | | 15,6 (4.72 m) | *1720 (*780 kg) |
| 30 (9.14 m) | | | *4530 (*2055 kg) | *2920 (*1324 kg) | | 21 (6.40 m) | *1220 (*553 kg) |
| 25 (7.62 m) | | | *4790 (*2173 kg) | *2590 (*1175 kg) | | 24,2 (7.37 m) | *1020 (*463 kg) |
| 20 (6.1 m) | | 6420 (2912 kg) | 4990 (2263 kg) | 4050 (1837 kg) | *2970 (*1347 kg) | 26,2 (7.98 m) | *920 (*417 kg) |
| 15 (4.57 m) | 14530 (6591 kg) | 7670 (3479 kg) | 5360 (2431 kg) | 4080 (1851 kg) | 3210 (1456 kg) | 27,1 (8.26 m) | *880 (*399 kg) |
| 10 (3 m) | *1080 (*490 kg) | 8330 (3778 kg) | 5500 (2495 kg) | 3920 (1778 kg) | 3040 (1379 kg) | 27,1 (8.26 m) | *880 (*399 kg) |
| 5 (1.52 m) | *3560 (*1651 kg) | 7370 (3343 kg) | 4950 (2245 kg) | 3240 (1470 kg) | 2470 (1120 kg) | 26,2 (7.98 m) | *930 (*422 kg) |
| 0 | *5620 (*2386 kg) | 4880 (2213 kg) | 3360 (1524 kg) | 3050 (1383 kg) | | 23,8 (7.21 m) | *1470 (*667 kg) |
| -5 (-1.52 m) | | 3910 (1773 kg) | 2630 (1193 kg) | | | 16,2 (4.93 m) | 2290 (1039 kg) |

- This lift chart is not a stability chart.**
- Lifting capacities shown must not be exceeded. Weight of the grapple and all lifting accessories must be deducted from the above lifting capacities.**
- Lifting capacities are shown at 100% of hydraulic capacities. Capacities marked with an asterisk (*) are limited by the boom's hydraulic capacities.
- The lifting capacities are shown in white and full reach capacities are shown in shaded areas.
- Capacities apply only to the machine as originally manufactured and normally equipped by the manufacturer.

Loader Stability Information The following data is necessary to calculate the truck/loader stability.



WARNING The tipping lift capacity has not been calculated because the loader is supplied without mountings.

Table 10: MT27 Main Boom - Stability information calculated without tipping lift capacity

| MT27 Main Boom Stability Information | |
|---|----------------------|
| Loader weights | Weight lb(kg) |
| Loader weight | 5220 lbs (2373 kg) |
| Main boom weight | 1171 lbs (531 kg) |
| Stick boom weight | 812 lbs (368 kg) |
| Loader without booms | 3342 lbs (1520 kg) |
| Loader part description | |
| Main boom length | 168" (4267 mm) |
| Center gravity of main boom in reference to boom pivot | 84" (1867 mm) |
| Stick boom length (Retracted/Extended) | 164" (4166 mm) |
| Center gravity of stick boom in reference to stick boom pivot (Retracted/Extended) | 66" (1676 mm) |
| Center gravity of loader without booms in reverence to the rotation "axe" (if negative, it serves as a counterweight) | 0 |