

Technical sheet :

# MT 1440 ST5

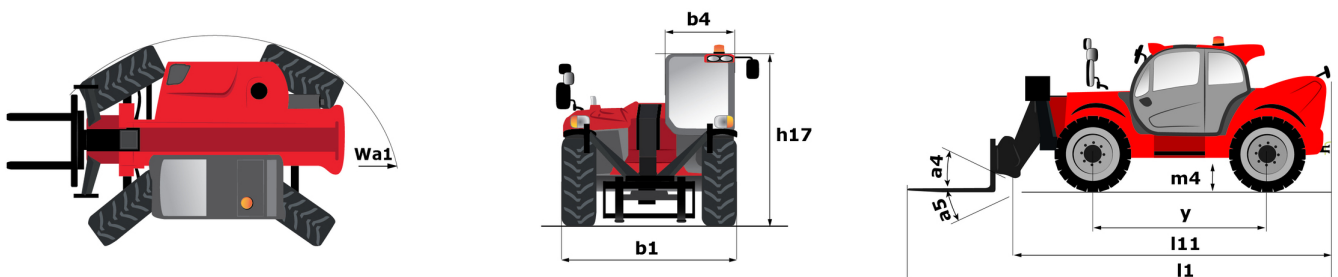
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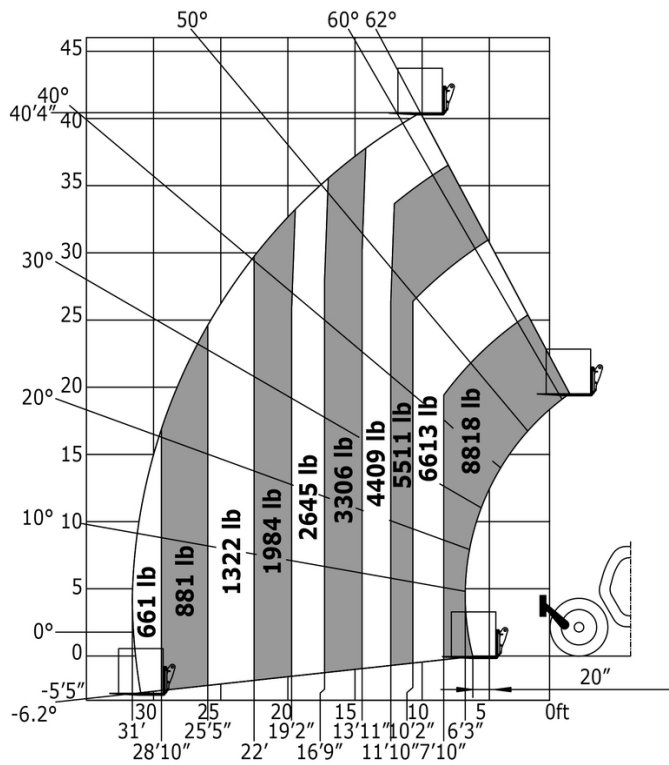
| Capacities                                  |           | Imperial   |
|---|-----------|--|
| Max. capacity                               |           | 8818 lb  |
| Max. lifting height                         |           | 44 ft 5 in   |
| Maximum outreach                            |           | 31 ft  |
| Breakout force with bucket                  |           | 7895 daN   |
| Weight and dimensions                       |           |  |
| Overall length to carriage                  | l11       | 19 ft 9 in   |
| Length to face of forks                     | l2        | 20 ft 1 in   |
| Overall width                               | b1        | 7 ft 9 in  |
| Overall height                              | h17       | 8 ft   |
| Wheelbase                                   | y         | 10 ft 1 in   |
| Ground clearance                            | m4        | 1 ft 3 in  |
| Overall cab width                           | b4        | 2 ft 11 in   |
| Tilt-up angle                               | a4        | 12 °   |
| Tilt-down angle                             | a5        | 114 °  |
| External turning radius (over tyres)        | Wa1       | 12 ft 11 in  |
| Unladen weight (with forks)                 |           | 24119 lb   |
| Overall weight                              |           | 24119 lb   |
| Tires type                                  |           | Inflatable   |
| Standard tires                              |           | Alliance 400/80 - 24 - 162A8                           |
| Forks length / width / section              | l / e / s | 47 in x 5 in x 2 in                                    |
| Performances                                |           |  |
| Lifting                                     |           | 16 s   |
| Lowering                                    |           | 12.40 s  |
| Extension                                   |           | 17.30 s  |
| Retraction                                  |           | 13 s   |
| Crowd                                       |           | 4.30 s   |
| Dump  |           | 4 s  |
| Engine                                      |           |  |
| Engine brand                                |           | Deutz  |
| Engine norm                                 |           | Stage V  |
| Engine model                                |           | TCD 3.6L   |
| Number of cylinders / Capacity of cylinders |           | 4 - 221 in³  |
| Engine power (Hp/kW)                        |           | 100 Hp / 75 kW   |
| Max. torque / Engine rotation               |           | 302 ft/lbs @ 1600 rpm                                  |
| Drawbar pull (Laden)                        |           | 9930 daN   |
| Transmission                                |           |  |
| Transmission type                           |           | Torque converter                                       |
| Number of gears (forward / reverse)         |           | 4 / 4  |
| Max. travel speed                           |           | 15 mph   |
| Parking brake                               |           | Automatic parking brake                                |
| Service brake                               |           | Oil-immersed multi-discs braking on front & rear axles |
| Hydraulics                                  |           |  |
| Hydraulic pump type                         |           | Gear pump  |
| Hydraulic flow / Pressure                   |           | 44 US gpm-3916 PSI                                     |
| Tank capacities                             |           |  |
| Engine oil                                  |           | 3 US gal   |
| Hydraulic oil                               |           | 36 US gal  |
| Diesel Exhaust fluid (AdBlue® type)         |           | 6 US gal   |
| Fuel  |           | 37 US gal  |
| Noise and vibration                         |           |  |
| Noise at driving position (LpA)             |           | 79 dB  |
| Noise to environment (LwA)                  |           | 106 dB   |
| Vibration on hands/arms                     |           | 8 ft/s²  |
| Miscellaneous                               |           |  |
| Steering wheels (front / rear)              |           | 2 / 2  |
| Drive wheels (front / rear)                 |           | 2 / 2  |
| Cab certification                           |           | Cabin ROPS - FOPS level 2                              |
| Controls                                    |           | JSM  |

## MT 1440 ST5 - Dimensional drawing

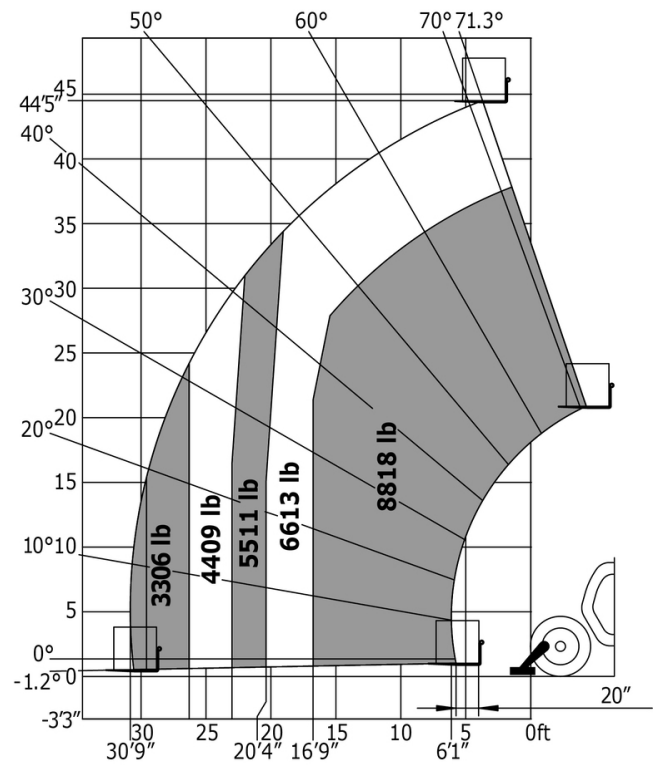


## MT 1440 ST5 - Load chart

Machine on tires with forks Imperial



Machine on lowered stabilisers with forks Imperial





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