

Technical sheet :

# **MT 1440 HA ST5**

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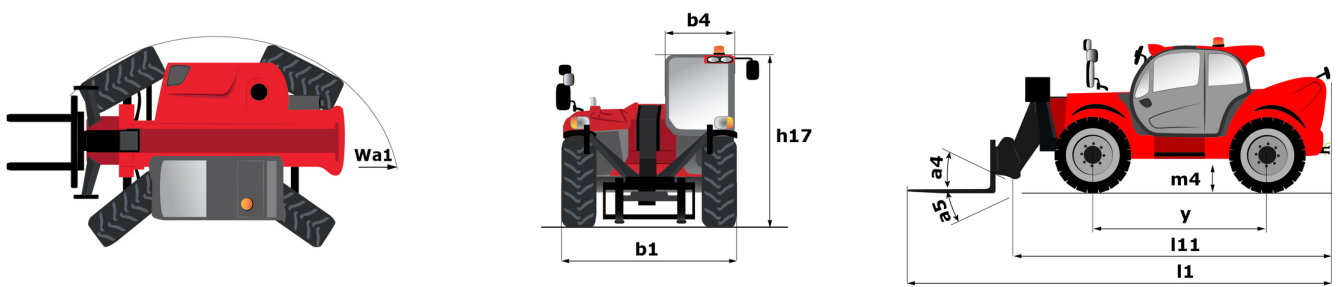


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| Capacities                                  |           | Metric                                                                              |
|---------------------------------------------|-----------|-------------------------------------------------------------------------------------|
| Max. capacity                               |           | 4000 kg                                                                             |
| Max. lifting height                         |           | 13.53 m                                                                             |
| Maximum outreach                            |           | 9.46 m                                                                              |
| Breakout force with bucket                  |           | 9390 daN                                                                            |
| Weight and dimensions                       |           |                                                                                     |
| Overall length to carriage                  | l11       | 6.02 m                                                                              |
| Length to face of forks                     | l2        | 6.13 m                                                                              |
| Overall width                               | b1        | 2.36 m                                                                              |
| Overall height                              | h17       | 2.45 m                                                                              |
| Wheelbase                                   | y         | 3.07 m                                                                              |
| Ground clearance                            | m4        | 0.37 m                                                                              |
| Overall cab width                           | b4        | 0.89 m                                                                              |
| Tilt-up angle                               | a4        | 12 °                                                                                |
| Tilt-down angle                             | a5        | 114 °                                                                               |
| External turning radius (over tyres)        | Wa1       | 3.94 m                                                                              |
| Unladen weight (with forks)                 |           | 11620 kg                                                                            |
| Overall weight                              |           | 11200 kg                                                                            |
| Tires type                                  |           | Inflatable                                                                          |
| Standard tires                              |           | Alliance 400/80 - 24 - 162A8                                                        |
| Forks length / width / section              | l / e / s | 1200 mm x 125 mm x 45 mm                                                            |
| Performances                                |           |                                                                                     |
| Lifting                                     |           | 16 s                                                                                |
| Lowering                                    |           | 14 s                                                                                |
| Extension                                   |           | 19 s                                                                                |
| Retraction                                  |           | 15 s                                                                                |
| Crowd                                       |           | 4 s                                                                                 |
| Dump                                        |           | 4 s                                                                                 |
| Engine                                      |           |                                                                                     |
| Engine brand                                |           | Deutz                                                                               |
| Engine norm                                 |           | Stage V                                                                             |
| Engine model                                |           | TCD 3.6                                                                             |
| Number of cylinders / Capacity of cylinders |           | 4 - 3621 cm³                                                                        |
| Engine power (Hp/kW)                        |           | 100 Hp / 75 kW                                                                      |
| Max. torque / Engine rotation               |           | 410 Nm @ 1600 rpm                                                                   |
| Drawbar pull (Laden)                        |           | 7520 daN                                                                            |
| Transmission                                |           |                                                                                     |
| Transmission type                           |           | Hydrostatic                                                                         |
| Number of gears (forward / reverse)         |           | 3 / 3                                                                               |
| Max. travel speed                           |           | 24.90 km/h                                                                          |
| 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                   |           | 167 l/min-270 bar                                                                   |
| Tank capacities                             |           |                                                                                     |
| Engine oil                                  |           | 10 l                                                                                |
| Hydraulic oil                               |           | 135 l                                                                               |
| Diesel Exhaust fluid (AdBlue® type)         |           | 22.60 l                                                                             |
| Fuel                                        |           | 140 l                                                                               |
| Noise and vibration                         |           |                                                                                     |
| Noise at driving position (LpA)             |           | 79 dB                                                                               |
| Noise to environment (LwA)                  |           | 106 dB                                                                              |
| Vibration on hands/arms                     |           | 2.50 m/s²                                                                           |
| Miscellaneous                               |           |                                                                                     |
| Steering wheels (front / rear)              |           | 2 / 2                                                                               |
| Drive wheels (front / rear)                 |           | 2 / 2                                                                               |
| Cab certification                           |           | Cabin ROPS - FOPS level 2                                                           |
| Controls                                    |           | JSM                                                                                 |
| Additional information                      |           | Data indicated with basket basket, except max. capacity, lifting height and offset. |

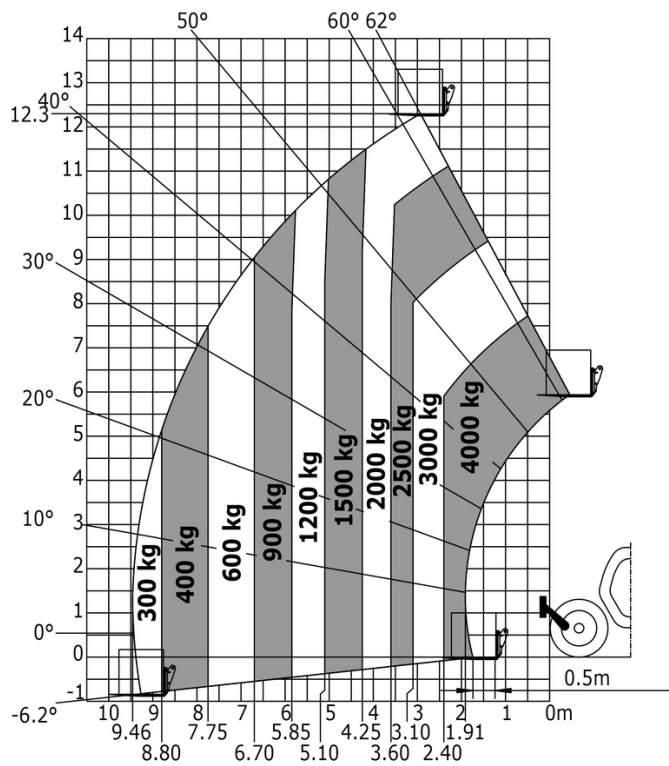
Data indicated with basket basket, except max. capacity, lifting height and offset.

## MT 1440 HA ST5 - Dimensional drawing

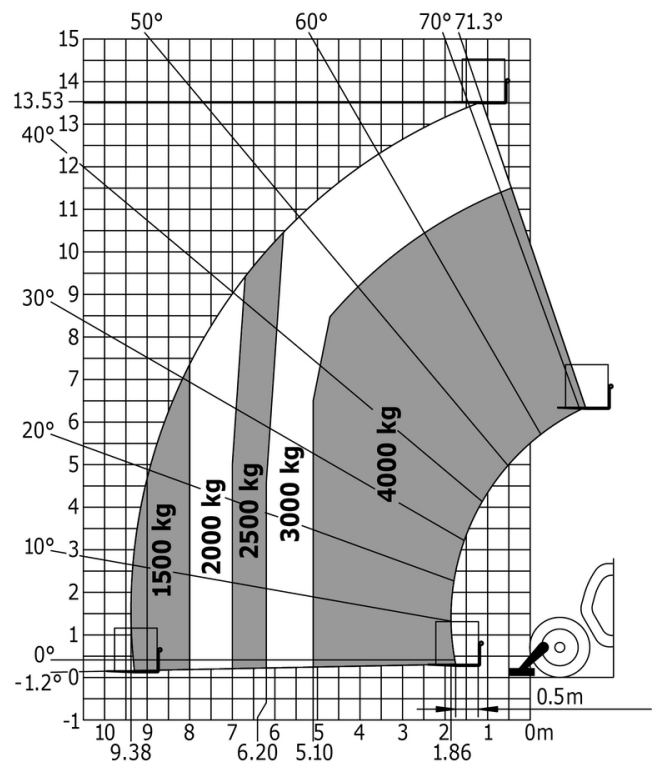


### MT 1440 HA ST5 - Load chart

Machine on tires with forks - with levelling device Metric



Machine on lowered stabilisers with forks Metric



# Machine on stabilisers with Man basket Metric





**Head Office**

B.P. 249 - 430 rue de l'Aubinière

44150 Ancenis Cedex - France

Tel: +33 (0)2 40 09 10 11 - Fax: +33 (0)2 40 09 10 97

[www.manitou.com](http://www.manitou.com)



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