

Technical sheet :

# **MRT 2150 PRIVILEGE PLUS**

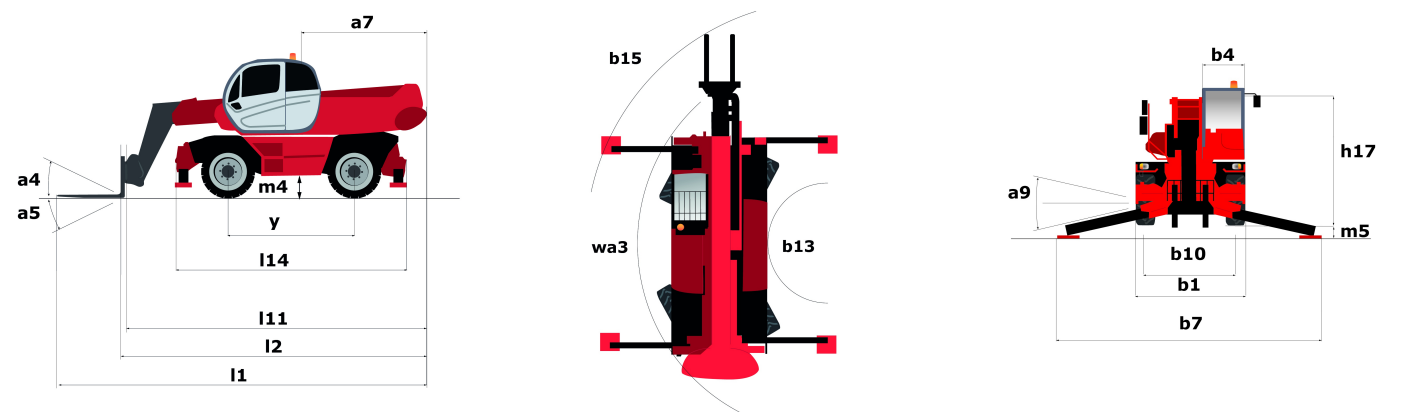
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| Capacities                                                       |           | Metric                                    | Imperial                                  |
|------------------------------------------------------------------|-----------|-------------------------------------------|-------------------------------------------|
| Max. capacity                                                    | Q         | 4999 kg                                   | 11021 lbs                                 |
| Max. lifting height                                              | h3        | 20.9 m                                    | 68 ft 7 in                                |
| Max. Reach                                                       | l4        | 17.9 m                                    | 58 ft 9 in                                |
| Weight and dimensions                                            |           |                                           |                                           |
| Ground clearance center                                          | m4        | 0.35 m                                    | 1 ft 2 in                                 |
| Wheelbase                                                        | y         | 3.05 m                                    | 10 ft                                     |
| Length to face of forks                                          | l2        | 6.87 m                                    | 22 ft 6 in                                |
| Length of frame                                                  | l14       | 5.35 m                                    | 17 ft 7 in                                |
| Overall length (with forks)                                      | l1        | 6.87 m                                    | 22 ft 6 in                                |
| Overall width                                                    | b1        | 2.49 m                                    | 8 ft 2 in                                 |
| Overall width with stabilisers extended                          | b7        | 5.55 m                                    | 18 ft 3 in                                |
| Overall height                                                   | h17       | 3.05 m                                    | 10 ft                                     |
| Overall cab width                                                | b4        | 0.99 m                                    | 3 ft 3 in                                 |
| Tilt-down angle                                                  | a5        | 105 °                                     | 105 °                                     |
| Tilt-up angle                                                    | a4        | 12 °                                      | 12 °                                      |
| Forks length / width / section                                   | l / e / s | 1200 mm x 50 mm x 15 mm                   | 47.244 in x 1.969 in x 0.591 in           |
| Turret rotation                                                  |           | 360 °                                     | 360 °                                     |
| Outer frame turning radius                                       | Wa3       | 5.23 m                                    | 17 ft 2 in                                |
| Internal turning radius (over tyres)                             | b13       | 1.7 m                                     | 5 ft 7 in                                 |
| Overall weight                                                   |           | 17930 kg                                  | 39529 lbs                                 |
| Wheels                                                           |           |                                           |                                           |
| Tyres type                                                       |           | Pneumatic                                 | Pneumatic                                 |
| Steering wheels (front / rear)                                   |           | 2 / 2                                     | 2 / 2                                     |
| Drive wheels (front / rear)                                      |           | 2 / 2                                     | 2 / 2                                     |
| Stabilisers                                                      |           |                                           |                                           |
| Stabs Type                                                       |           | Telescopic Duplex                         | Telescopic Duplex                         |
| Controls with stabs                                              |           | Stabs Commands Individual or Simultaneous | Stabs Commands Individual or Simultaneous |
| Engine                                                           |           |                                           |                                           |
| Engine brand                                                     |           | Mercedes                                  | Mercedes                                  |
| Engine norm                                                      |           | Stage IV / Tier 4 Final                   | Stage IV / Tier 4 Final                   |
| Engine model                                                     |           | OM 934 E4-5                               | OM 934 E4-5                               |
| I.C. Engine power rating / Power (kW)                            |           | 156 Hp / 115 kW                           | 156 Hp / 115 kW                           |
| Max. torque / Engine rotation                                    |           | 675 Nm @ 1500 tr/min                      | 675 Nm @ 1500 tr/min                      |
| Number of cylinders - Capacity of cylinders                      |           | 4 - 5130 cm³                              | 4 - 313.05 in³                            |
| Injection                                                        |           | engine Injection direct                   | engine Injection direct                   |
| Engine cooling system                                            |           | Water                                     | Water                                     |
| Number of batteries                                              |           | 2                                         | 2                                         |
| Battery / Batteries capacity                                     |           | 12 V / 120 Ah                             | 12 V / 120 Ah                             |
| Drawbar pull (Laden)                                             |           | 8700 daN                                  | 8700 daN                                  |
| Transmission                                                     |           |                                           |                                           |
| Transmission type                                                |           | Hydrostatic                               | Hydrostatic                               |
| Number of gears (forward / reverse)                              |           | 2 / 2                                     | 2 / 2                                     |
| Max. travel speed (may vary according to applicable regulations) |           | 40 km/h                                   | 24.9 mph                                  |
| Parking brake                                                    |           | Automatic Negative Hand-brake             | Automatic Negative Hand-brake             |
| Service brake                                                    |           | Hydraulic                                 | Hydraulic                                 |
| Hydraulics                                                       |           |                                           |                                           |
| Hydraulic pump type                                              |           | Gear Pump                                 | Gear Pump                                 |
| Hydraulic flow                                                   |           | 115 l/min                                 | 115 l/min                                 |
| Hydraulic Pressure                                               |           | 275 Bar                                   | 19 PSI                                    |
| Tank capacities                                                  |           |                                           |                                           |
| Hydraulic oil                                                    |           | 225 l                                     | 49.49 gal                                 |
| Fuel tank                                                        |           | 305 l                                     | 67.09 gal                                 |
| Diesel Exhaust fluid (AdBlue® type)                              |           | 57 l                                      | 12.54 gal                                 |
| Noise and vibration                                              |           |                                           |                                           |
| Noise at driving position (LpA)                                  |           | 79.7 dB(A)                                | 79.7 dB(A)                                |
| Noise to environment (LwA)                                       |           | 108 dB(A)                                 | 108 dB(A)                                 |
| Vibration to whole hand/arm                                      |           | < 2.50 m/s²                               | < 2.50 m/s²                               |
| Miscellaneous                                                    |           |                                           |                                           |
| Controls                                                         |           | 2 Joysticks                               | 2 Joysticks                               |
| Safety cabin homologation                                        |           | Cab ROPS - FOPS Level 2                   | Cab ROPS - FOPS Level 2                   |

|                                        |  |          |          |
|----------------------------------------|--|----------|----------|
| Miscellaneous                          |  |          |          |
| Attachment recognition system (E-Reco) |  | Standard | Standard |

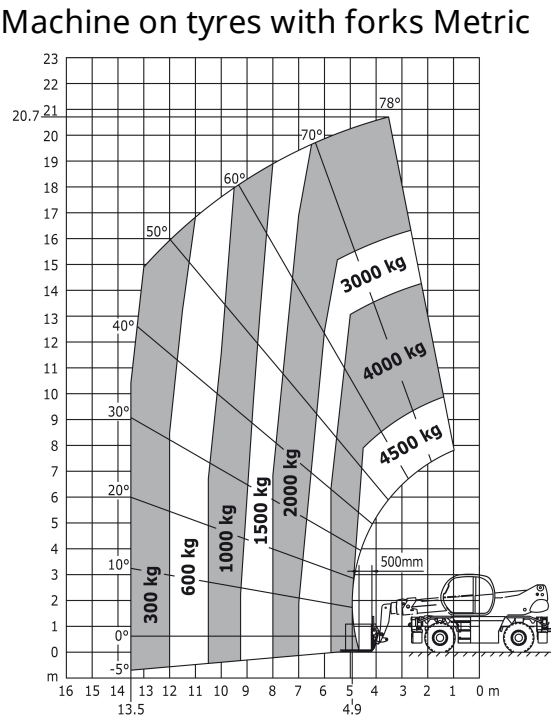
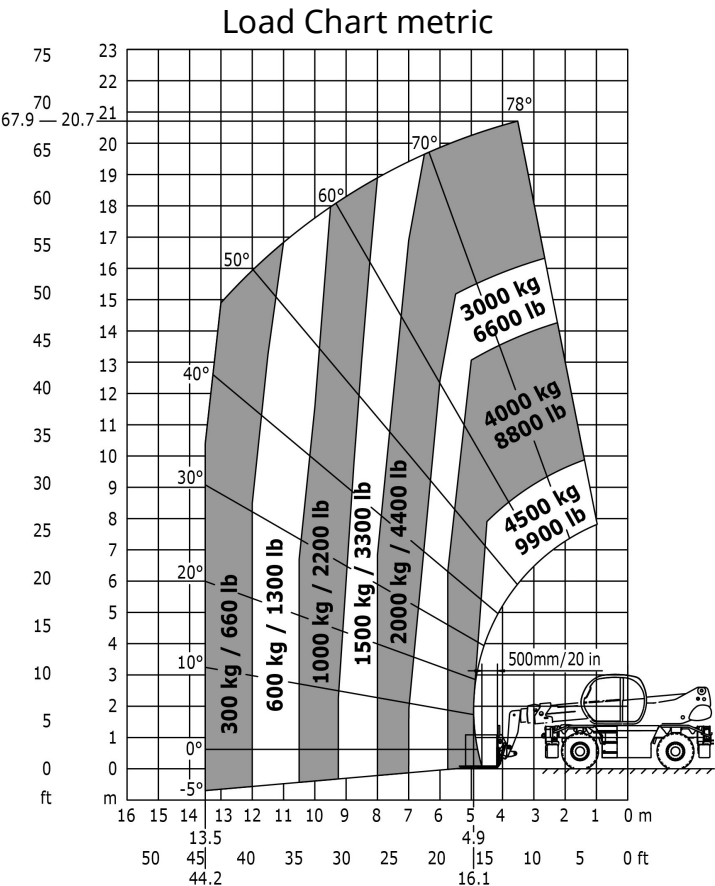
# Dimensional drawing



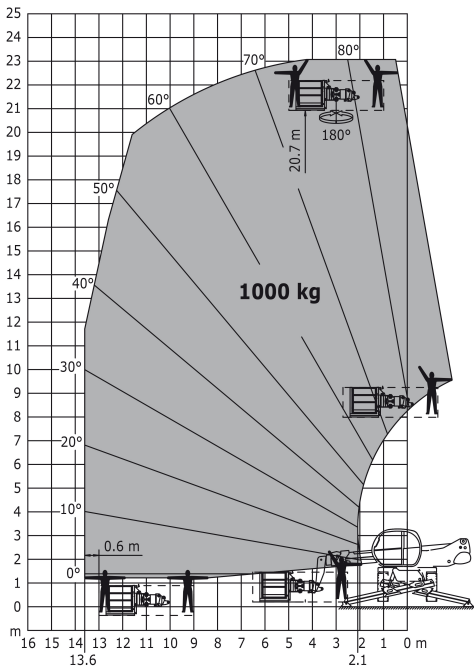
| Other data                              |          | Metric | Imperial   |
|-----------------------------------------|----------|--------|------------|
| Overall length (with forks)             | $l_1$    | 6.87 m | 22 ft 6 in |
| Length to face of forks                 | $l_2$    | 6.87 m | 22 ft 6 in |
| Length of frame                         | $l_{14}$ | 5.35 m | 17 ft 7 in |
| Wheelbase                               | $y$      | 3.05 m | 10 ft      |
| Ground clearance center                 | $m_4$    | 0.35 m | 1 ft 2 in  |
| Counterweight offset (turret at 90°)    | $a_7$    | 2.68 m | 8 ft 10 in |
| Tilt-up angle                           | $a_4$    | 12 °   | 12 °       |
| Tilt-down angle                         | $a_5$    | 105 °  | 105 °      |
| Overall length at stabilisers           | $l_{12}$ | 5.22 m | 17 ft 2 in |
| Outer frame turning radius              | $Wa_3$   | 5.23 m | 17 ft 2 in |
| Outer turning radius (with forks)       | $b_{15}$ | 5.23 m | 17 ft 2 in |
| Overall width                           | $b_1$    | 2.49 m | 8 ft 2 in  |
| Overall width with stabilisers extended | $b_7$    | 5.55 m | 18 ft 3 in |
| Overall cab width                       | $b_4$    | 0.99 m | 3 ft 3 in  |
| Overall height                          | $h_{17}$ | 3.05 m | 10 ft      |
| Frame Levelling Corrector               | $a_9$    | 8 °    | 8 °        |



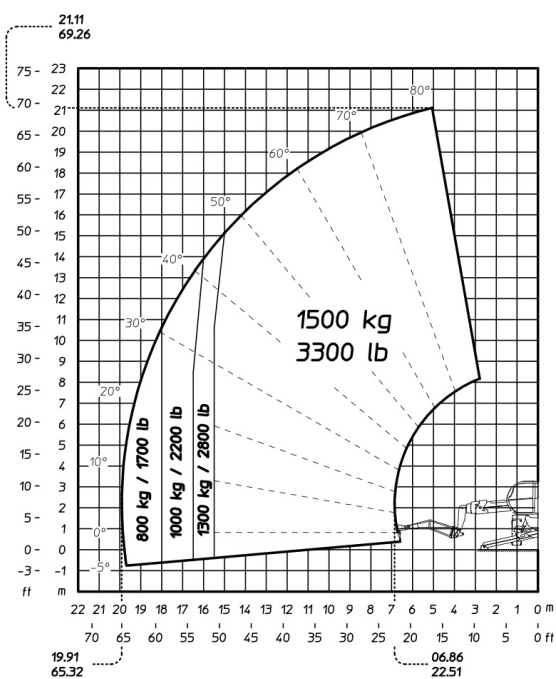
# Load chart



Rotation on lowered stabilisers with 1000 kg platform Metric



Rotation on lowered stabilisers with 1500 kg jib Metric

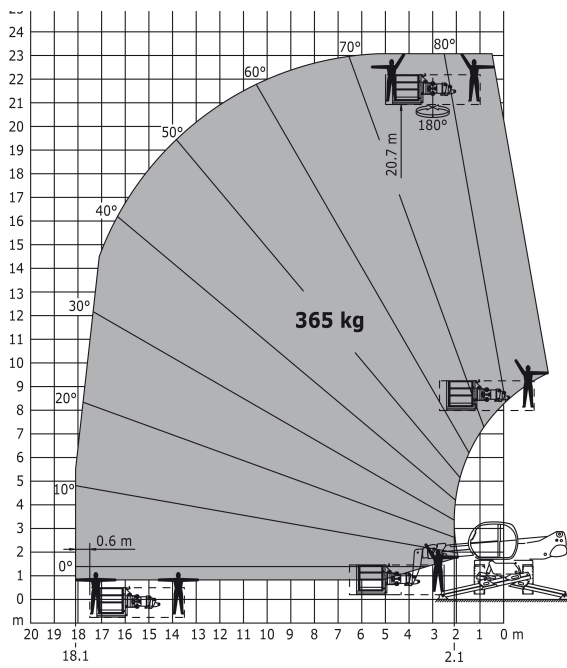


Rotation on lowered stabilisers with 365 kg platform Metric

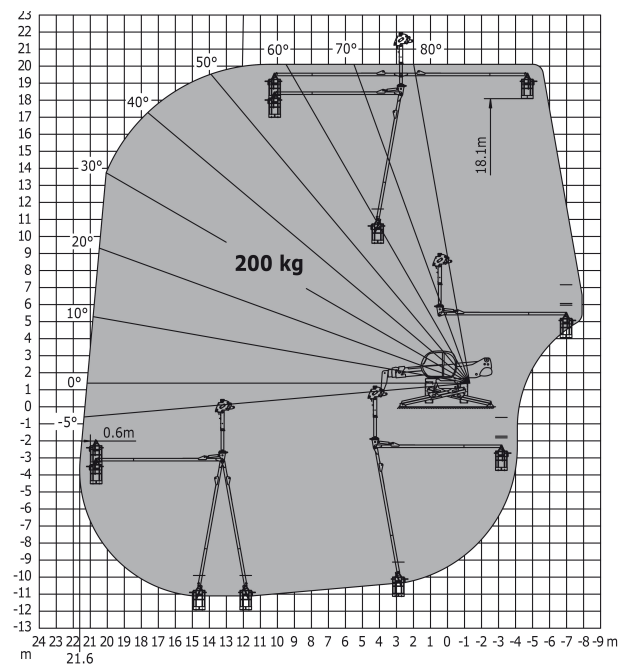


Rotation on lowered stabilisers with 3D negative Metric

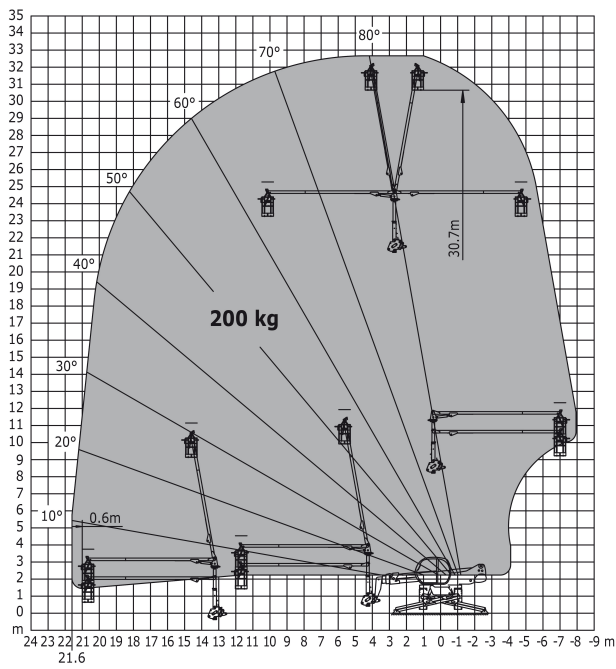




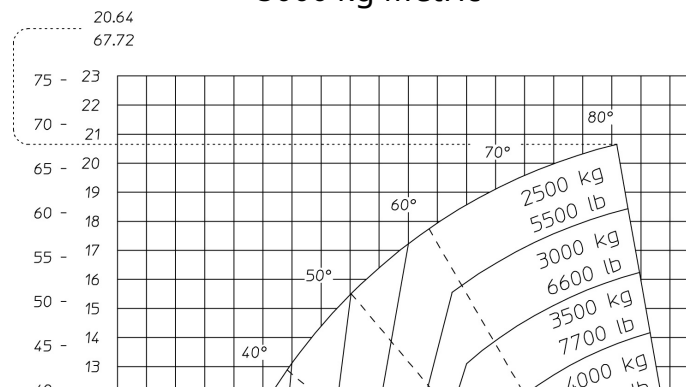
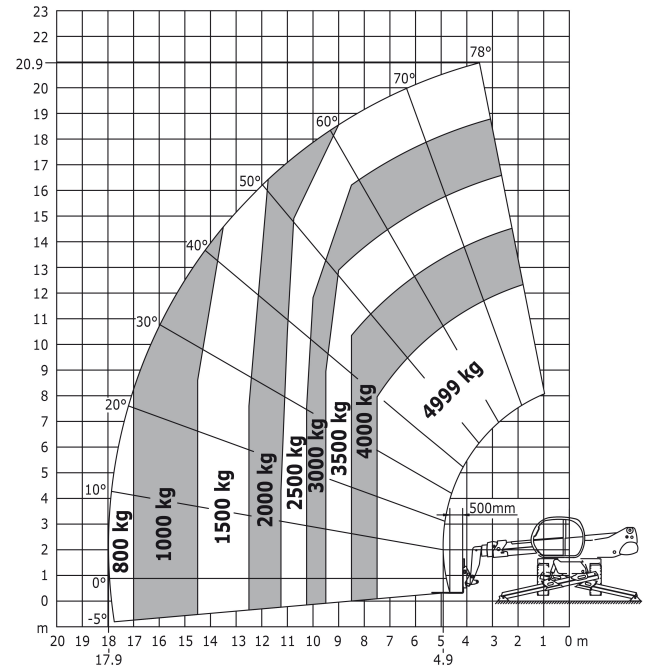
Rotation on lowered stabilisers with 3D  
positive Metric

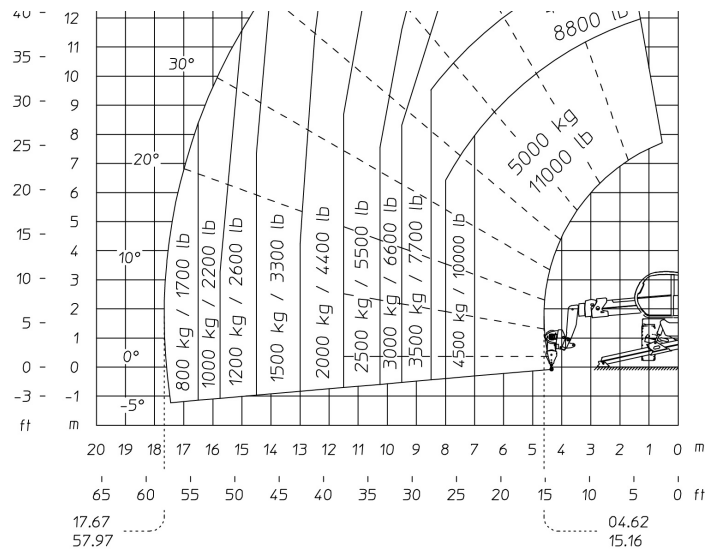


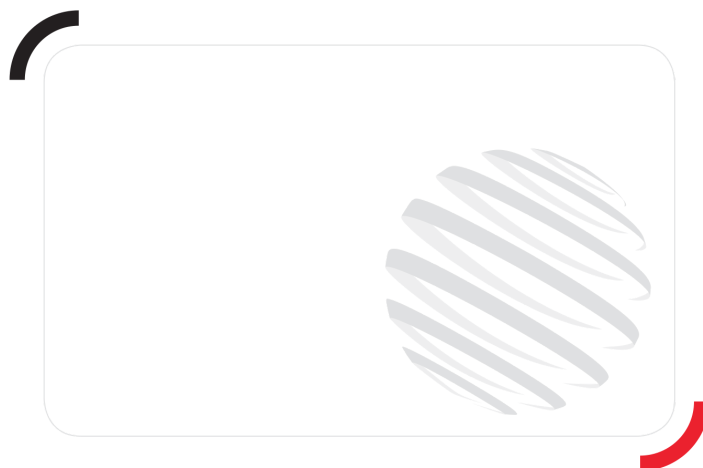
Rotation on lowered stabilisers with forks  
Metric



Rotation on lowered stabilisers with winch  
5000 kg Metric







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