

Technical sheet :

# MRT 1845 115

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**VISION**

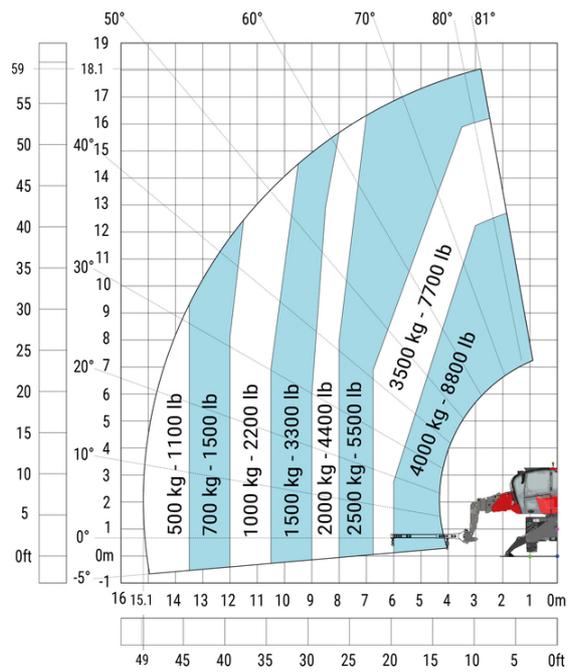
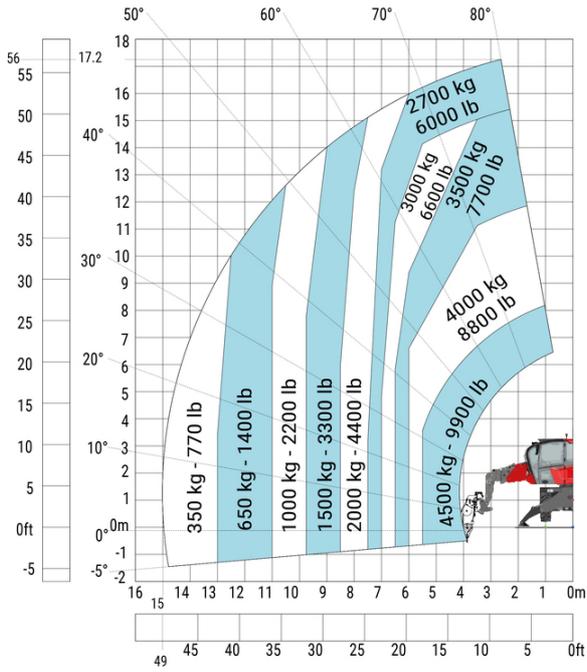


 **MANITOU**  
HANDLING YOUR WORLD

| Capacities                                  |           | Imperial   |
|---|-----------|--|
| Max. capacity                               |           | 9921 lb  |
| Max. lifting height                         |           | 59 ft 1 in   |
| Max. outreach                               |           | 49 ft 10 in  |
| Weight and dimensions                       |           |  |
| Overall length (with forks)                 | l1        | 23 ft 10 in  |
| Length to face of forks                     | l2        | 19 ft 11 in  |
| Overall width                               | b1        | 7 ft 11 in   |
| Overall height                              | h17       | 10 ft  |
| Overall cab width                           | b4        | 3 ft 2 in  |
| Ground clearance                            | m4        | 1 ft 3 in  |
| Wheelbase                                   | y         | 8 ft   |
| Tilt-up angle                               | a4        | 10 °   |
| Tilt-down angle                             | a5        | 107 °  |
| Turret rotation / rotation (Max.)           |           | 400 ° or 360 °   |
| Overall weight                              |           | 31085 lb   |
| Forks length / width / section              | l / e / s | 47 in x 5 in x 2 in                                    |
| Wheels                                      |           |  |
| Standard tires                              |           | 405/70-20  |
| Drive wheels (front / rear)                 |           | 2 / 2  |
| Steering mode                               |           | 2 wheel steer, 4 wheel steer, Crab mode                |
| Stabilisers                                 |           |  |
| Stabs Type                                  |           | Wing Type  |
| Controls with stabs                         |           | Stabs Commands Individual or Simultaneous              |
| Engine                                      |           |  |
| Engine brand                                |           | Deutz  |
| Engine nom                                  |           | Stage V / Tier 4                                       |
| Engine model                                |           | TCD 3.6 L4   |
| I.C. Engine power rating / Power            |           | 116 Hp / 85 kW   |
| Max. torque / Engine rotation (min)         |           | 339 ft/lbs @ 1600 rpm                                  |
| Number of cylinders - Capacity of cylinders |           | 4 - 221 in <sup>3</sup>                                |
| Engine cooling system                       |           | Water cooled   |
| Electric circuit                            |           |  |
| Number of batteries / Battery voltage       |           | 2 x 12 V   |
| 12V Battery capacity                        |           | 120 Ah   |
| Battery starting current                    |           | (EN)850 A  |
| Transmission                                |           |  |
| Transmission type                           |           | Hydrostatic  |
| Number of gears (forward / reverse)         |           | 2 / 2  |
| Max. travel speed                           |           | 25 mph   |
| Drawbar pull                                |           | 9700 daN   |
| Parking brake                               |           | Automatic negative parking brake                       |
| Service brake                               |           | Oil-immersed multi-discs braking on front & rear axles |
| Performances                                |           |  |
| Gradeability (laden / unladen)              |           | 46.60 % / 50.90 %                                      |
| Hydraulics                                  |           |  |
| Hydraulic pump type                         |           | Variable displacement pump                             |
| Hydraulic flow                              |           | 31 US gpm  |
| Hydraulic Pressure                          |           | 3989 PSI   |
| Tank capacities                             |           |  |
| Engine oil                                  |           | 3 US gal   |
| Fuel tank                                   |           | 34 US gal  |
| Diesel Exhaust fluid (AdBlue® type)         |           | 3 US gal   |
| Noise and vibration                         |           |  |
| Noise at driving position (LpA)             |           | 68 dB  |
| Noise to environment (LwA)                  |           | 106 dB   |
| Vibration on hands/arms                     |           | < 2.50 m/s <sup>2</sup>                                |
| Miscellaneous                               |           |  |
| Steering wheels (front / rear)              |           | 2 / 2  |
| Controls                                    |           | 2 Joysticks  |
| Safety cab homologation                     |           | Cabin ROPS - FOPS level 2                              |
| Attachment recognition system (E-Reco)      |           | Standard   |

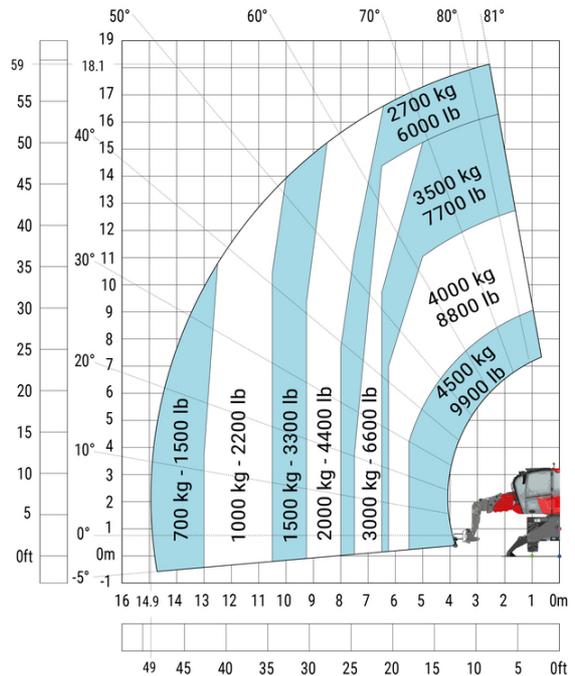
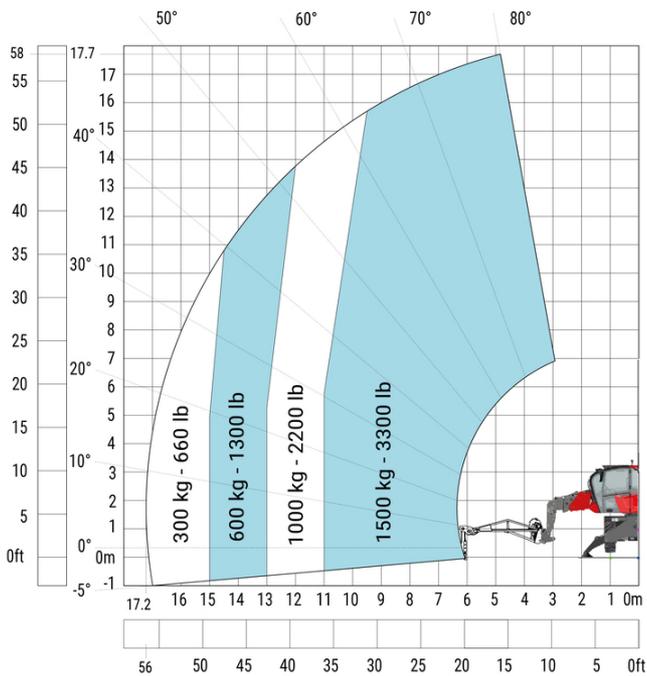


Machine on lowered stabilisers with winch 5000 kg Imperial Machine on lowered stabilisers with 4000 kg jib (Imperial)

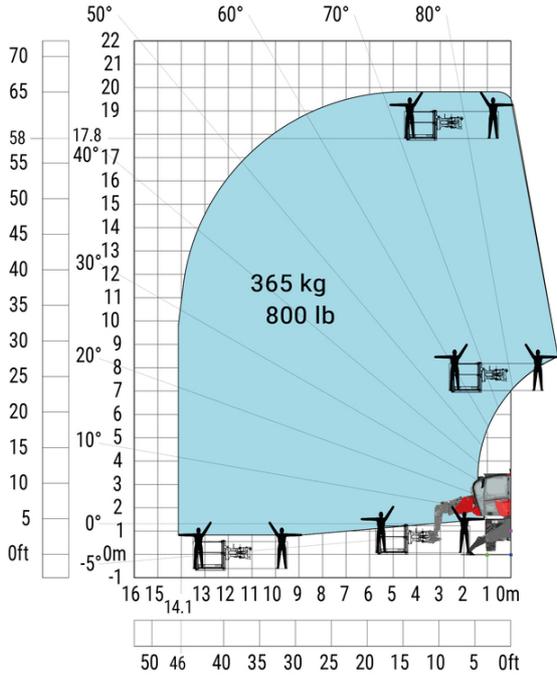


Machine on lowered stabilisers with 1500 kg jib with winch (Imperial)

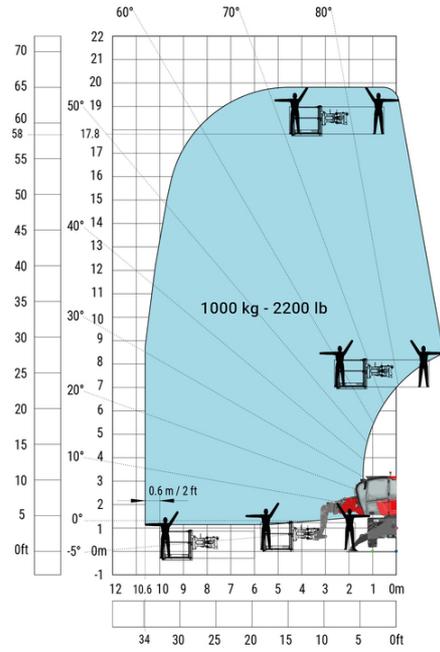
Machine on lowered stabilisers with hook 5000 kg (Imperial)



### Machine on lowered stabilisers with 365 kg platform Imperial



### Machine on lowered stabilisers with 1000 kg platform Imperial





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