Technical sheet :

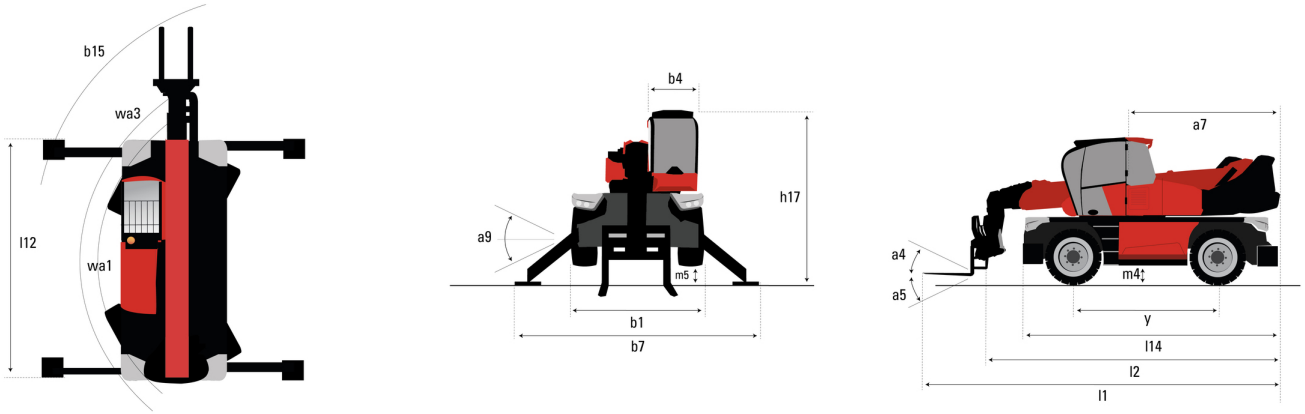
# MRT-X 2145 EASY 400°




MANITOU
HANDLING YOUR WORLD

| Capacities | | Metric | Imperial |
|---|---|---|---|
| Max. capacity | | 4500 kg | 9921 lb |
| Max. lifting height | | 20.60 m | 67 ft 7 in |
| Max. outreach | | 17.90 m | 58 ft 9 in |
| **Weight and dimensions** | | | |
| Overall length (with forks) | l1 | 6.59 m | 21 ft 7 in |
| Length to face of forks | l2 | 6.59 m | 21 ft 7 in |
| Overall width | b1 | 2.50 m | 8 ft 2 in |
| Overall height | h17 | 3.02 m | 9 ft 11 in |
| Overall cab width | b4 | 0.95 m | 3 ft 1 in |
| Outer frame turning radius | Wa3 | 3.60 m | 11 ft 10 in |
| Ground clearance | m4 | 0.32 m | 1 ft 1 in |
| Wheelbase | y | 2.73 m | 8 ft 11 in |
| Frame leveling longitudinal +/- | | 0 ° | 0 ° |
| Tilt-up angle | a4 | 10 ° | 10 ° |
| Tilt-down angle | a5 | 107 ° | 107 ° |
| Overall weight | | 14530 kg | 32033 lb |
| Forks length / width / section | l / e / s | 1200 mm x 125 mm x 15 mm | 47 in x 5 in x 0.59 in |
| **Wheels** | | | |
| Tires type | | Pneumatic | Pneumatic |
| Standard tires | | 18-19,5 | 18-19,5 |
| Drive wheels (front / rear) | | 2 / 2 | 2 / 2 |
| **Stabilisers** | | | |
| Stabs Type | | Wing Type | Wing Type |
| Controls with stabs | | Stabs Commands Individual or Simultaneous | Stabs Commands Individual or Simultaneous |
| **Engine** | | | |
| Engine brand | | Perkins | Perkins |
| Engine norm | | Stage IIIA | Stage IIIA |
| Engine model | | 1104D-44T | 1104D-44T |
| I.C. Engine power rating / Power / Engine rotation | | 101 Hp / 74.50 kW @ 1200 rpm | 101 Hp / 74.50 kW @ 1200 rpm |
| Max. torque | | 392 Nm | 289 ft/lbs |
| Number of cylinders - Capacity of cylinders | | 3400 - 4400 cm³ | 3400 - 269 in³ |
| Injection | | engine Injection direct | engine Injection direct |
| Engine cooling system | | Water | Water |
| **Electric circuit** | | | |
| Battery voltage | | 12 V | 12 V |
| 12V Battery capacity | | 120 Ah | 120 Ah |
| **Transmission** | | | |
| Transmission type | | Hydrostatic | Hydrostatic |
| Number of gears (forward / reverse) | | 2 / 2 | 2 / 2 |
| Max. travel speed | | 37 km/h | 23 mph |
| Drawbar pull | | 7900 daN | 7900 daN |
| 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 | 30 US gpm |
| Hydraulic Pressure | | 270 bar | 3916 PSI |
| Hydraulic tank capacity | | 150 l | 40 US gal |
| **Tank capacities** | | | |
| Engine oil | | 150 l | 40 US gal |
| Hydraulic oil | | 150 l | 40 US gal |
| Fuel tank | | 130 l | 34 US gal |
| **Noise and vibration** | | | |
| Noise at driving position (LpA) | | 79.70 dB | 79.70 dB |
| Environmental noise (LwA) | | 104 dB | 104 dB |
| Vibration to whole hand/arm | | < 2.50 m/s² | < 2.50 m/s² |
| **Miscellaneous** | | | |
| Steering wheels (front / rear) | | 2 / 2 | 2 / 2 |
| Controls | | 2 Joysticks | 2 Joysticks |
| Safety cab homologation | | ROPS - FOPS level 2 cab | ROPS - FOPS level 2 cab |
| Attachment recognition system (E-Reco) | | Standard | Standard |

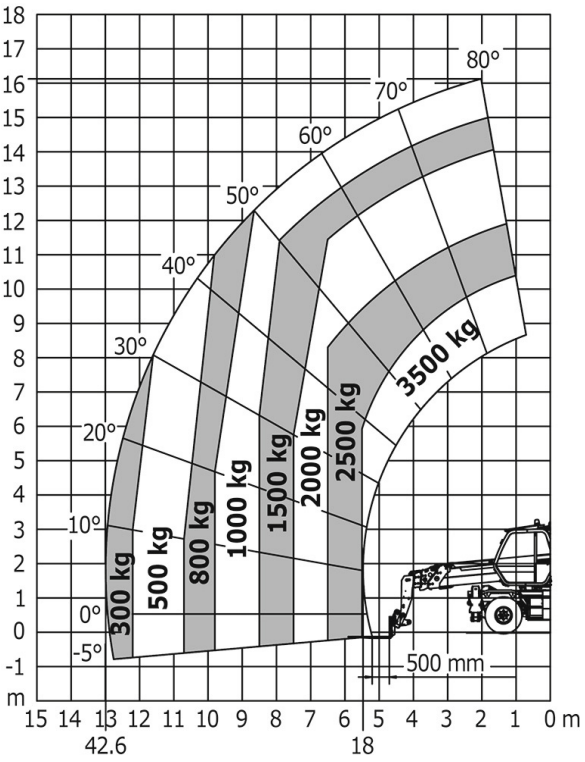
# MRT-X 2145 Easy 400° - Dimensional drawing



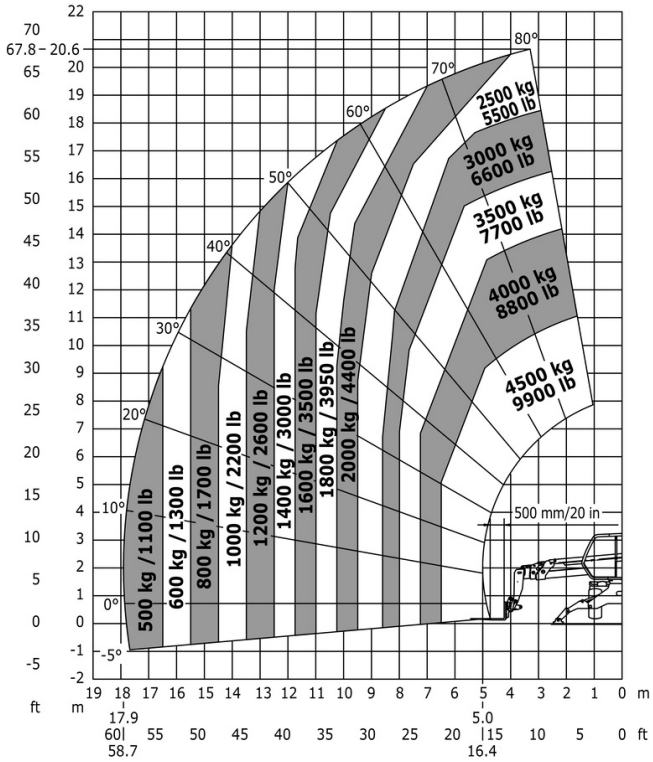

| Other data | | Metric | Imperial |
|---|---|---|---|
| Length of frame | l14 | 4.35 m | 14 ft 3 in |
| Wheelbase | y | 2.73 m | 8 ft 11 in |
| Ground clearance | m4 | 0.32 m | 1 ft 1 in |
| Counterweight offset (turret at 90°) | a7 | 2.70 m | 8 ft 10 in |
| Tilt-up angle | a4 | 10 ° | 10 ° |
| Tilt-down angle | a5 | 107 ° | 107 ° |
| Overall length at stabilisers | l12 | 4.35 m | 14 ft 3 in |
| Outer frame turning radius | Wa3 | 3.60 m | 11 ft 10 in |
| Outer turning radius (with forks) | b15 | 5.52 m | 18 ft 1 in |
| Overall width with stabilisers extended | b7 | 4.98 m | 16 ft 4 in |
| Overall height | h17 | 3.02 m | 9 ft 11 in |
| Frame leveling corrector | a9 | +/- 0 ° | +/- 0 ° |

# MRT-X 2145 Easy 400° - Load chart

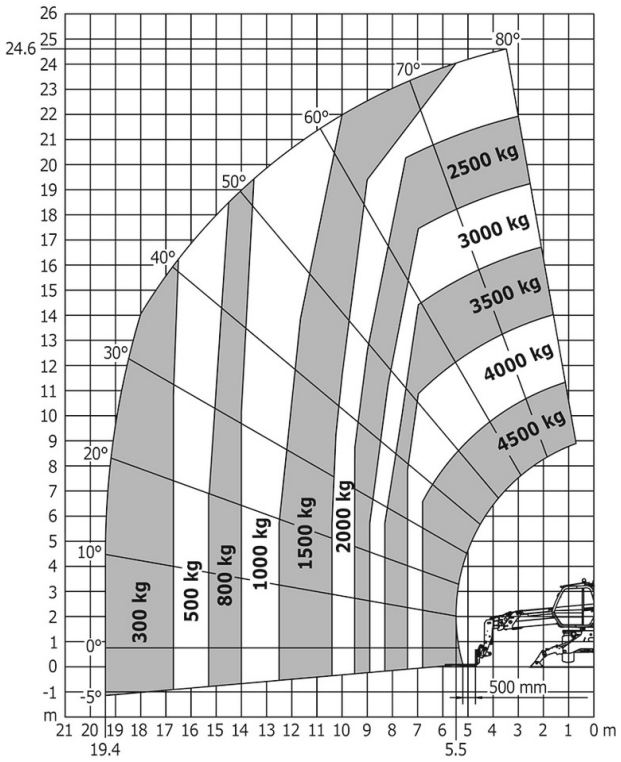
## Machine on tyres with forks Metric



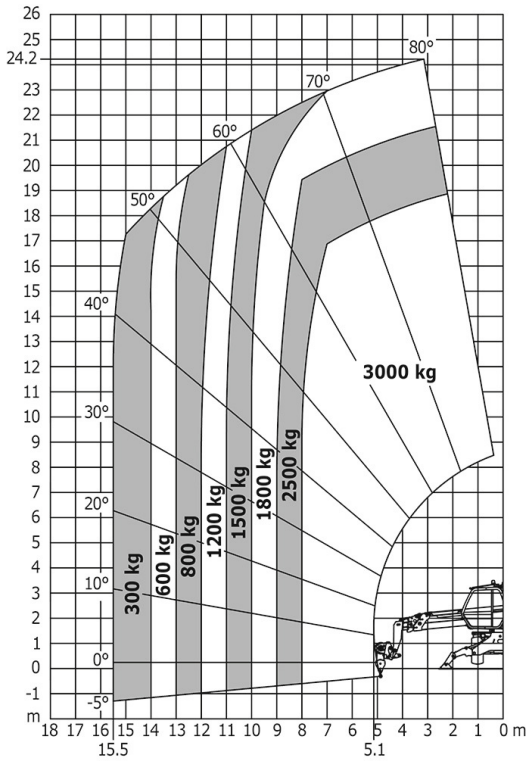

## Machine on lowered stabilisers with forks Imperial



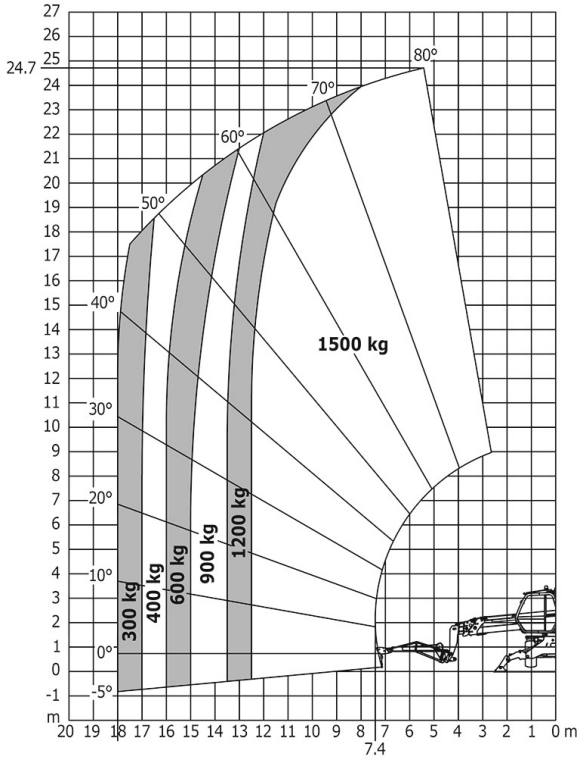
## Machine on lowered stabilisers with forks Metric



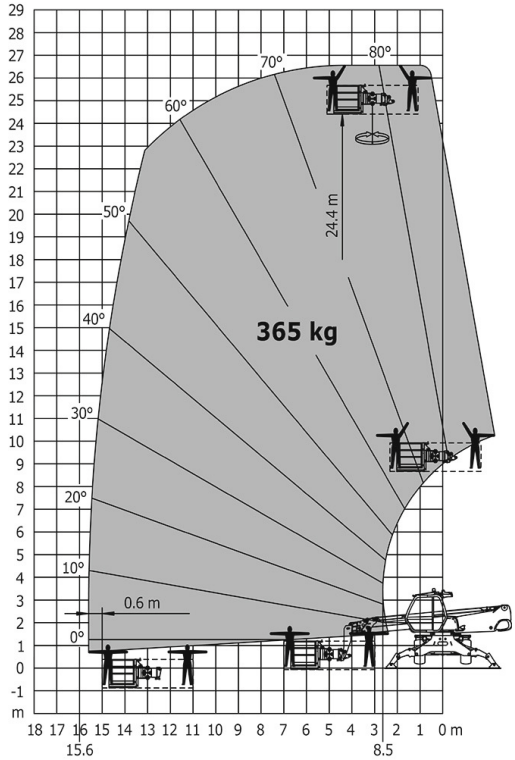

## Machine on lowered stabilisers with winch 3000 kg Metric



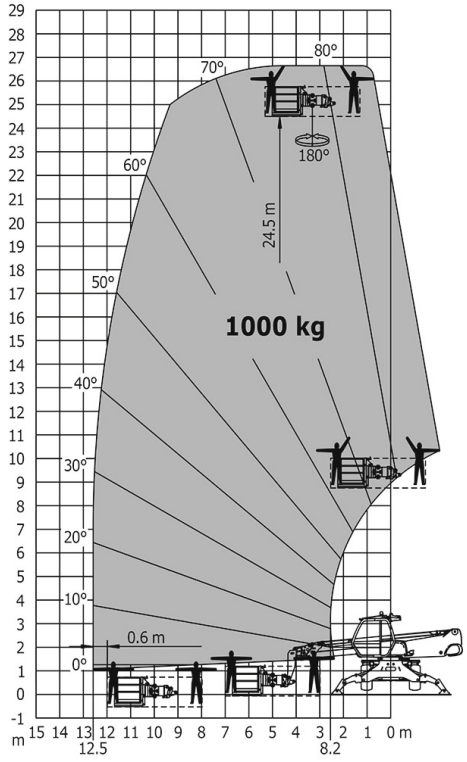

## Machine on lowered stabilisers with 1500 kg jib Metric




## Machine on lowered stabilisers with 365 kg platform Metric



# Machine on lowered stabilisers with 1000 kg platform
Metric



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