

Technical sheet :

MHT 790

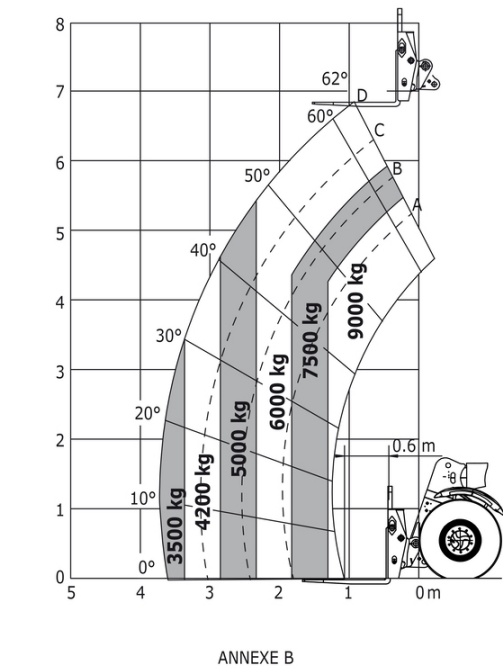


 **MANITOU**
HANDLING YOUR WORLD

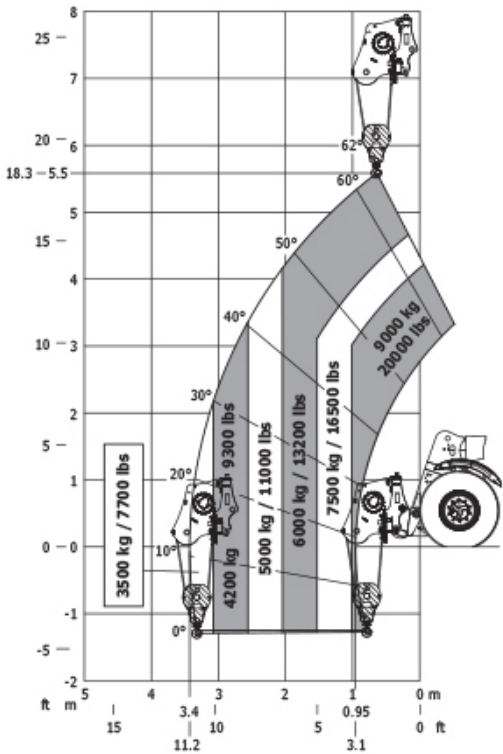
| Capacities | | Metric | Imperial |
|---|-----------|---|---|
| Max. capacity | | 9000 kg | 19842 lb |
| Load center of gravity | c | 600 mm | 24 in |
| Max. lifting height | | 6.84 m | 22 ft 5 in |
| Max. outreach | | 3.72 m | 12 ft 2 in |
| Weight and dimensions | | | |
| Overall length | l1 | 5.27 m | 17 ft 4 in |
| Unladen weight (with forks) | | 13160 kg | 29013 lb |
| Ground clearance | m4 | 0.40 m | 1 ft 4 in |
| Wheelbase | y | 2.87 m | 9 ft 5 in |
| Length to face of forks | l2 | 5.27 m | 17 ft 3 in |
| Overall width | b1 | 2.47 m | 8 ft 1 in |
| Overall height | h17 | 2.47 m | 8 ft 1 in |
| Overall cab width | b4 | 0.93 m | 3 ft 1 in |
| Tilt-down angle | a5 | 125 ° | 125 ° |
| Tilt-up angle | a4 | 12 ° | 12 ° |
| External turning radius (over tyres) | Wa1 | 4.88 m | 16 ft |
| Outer turning radius (with forks) | b15 | 5.59 m | 18 ft 4 in |
| Forks length / width / section | l / e / s | 1200 mm x 200 mm / 60 mm | 47 in x 8 in / 2 in |
| Wheels | | | |
| Standard tires | | Aeolus - TLAG P23 - 445/65 R22,5 | Aeolus - TLAG P23 - 445/65 R22,5 |
| Number of front wheels / rear wheels | | 2 / 2 | 2 / 2 |
| Steering wheels (front / rear) | | 2 / 2 | 2 / 2 |
| Drive wheels (front / rear) | | 2 / 2 | 2 / 2 |
| Steering mode | | 2 wheel steer, 4 wheel steer, Crab mode | 2 wheel steer, 4 wheel steer, Crab mode |
| Engine | | | |
| Engine brand | | John Deere | John Deere |
| Engine norm | | Stage IV / Tier 4 Final | Stage IV / Tier 4 Final |
| Engine model | | 4045PWL | 4045PWL |
| Number of cylinders / Capacity of cylinders | | 4 - 4500 cm³ | 4 - 275 in³ |
| I.C. Engine power rating / Power | | 141 Hp / 104 kW | 141 Hp / 104 kW |
| Max. torque / Engine rotation | | 534 Nm@1500 rpm | 394 ft/lbs@1500 rpm |
| Engine cooling system | | Water | Water |
| Battery voltage | | 12 V | 12 V |
| Drawbar pull | | 10905 daN | 10905 daN |
| Transmission | | | |
| Transmission type | | Hydrostatic | Hydrostatic |
| Number of gears (forward / reverse) | | 2 / 2 | 2 / 2 |
| Max. travel speed | | 30 km/h | 19 mph |
| Parking brake | | Automatic Negative Hand-brake | Automatic Negative Hand-brake |
| Service brake | | Oil bath | Oil bath |
| Gradeability (laden / unladen) | | 37.40 % / 48.10 % | 37.40 % / 48.10 % |
| Hydraulics | | | |
| Hydraulic pump type | | Variable displacement pump | Variable displacement pump |
| Hydraulic flow - Pressure | | 180 l/min - 270 bar | 48 US gpm - 3916 PSI |
| Tank capacities | | | |
| Engine oil | | 13 l | 3 US gal |
| Hydraulic oil | | 148 l | 39 US gal |
| Fuel tank | | 147 l | 39 US gal |
| Diesel Exhaust fluid (AdBlue® type) | | 12 l | 3 US gal |
| Noise and vibration | | | |
| Noise at driving position (LpA) | | 79.70 dB | 79.70 dB |
| Noise to environment (LwA) | | 103 dB | 103 dB |
| Vibration on hands/arms | | < 2.50 m/s² | < 2.50 m/s² |
| Miscellaneous | | | |
| Safety cab homologation | | ROPS - FOPS level 2 cab | ROPS - FOPS level 2 cab |
| Controls | | JSM | JSM |

MHT 790 - Load chart

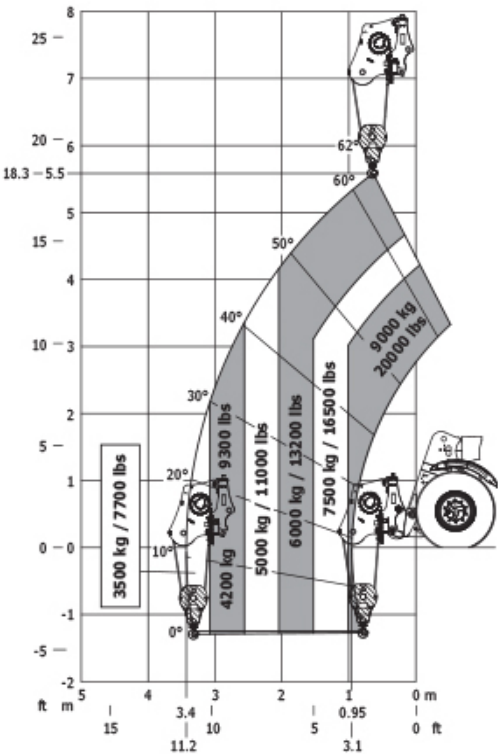
Machine on tyres with forks LC 600 mm Metric



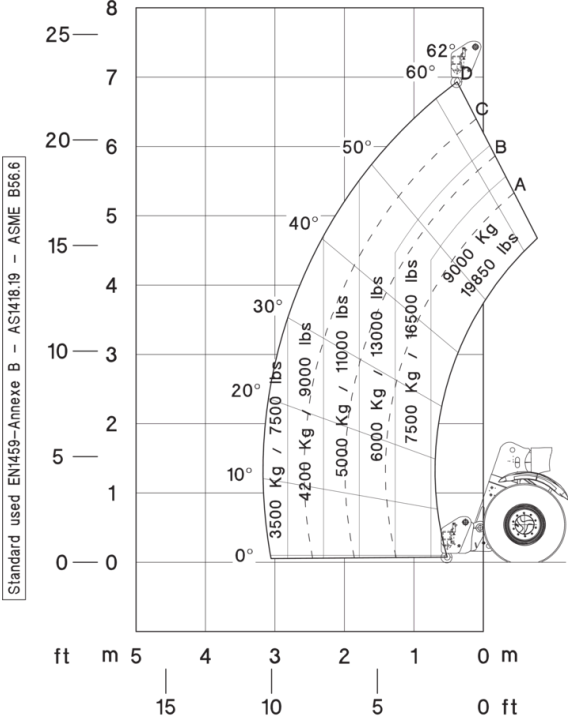
Machine on tyres with winch 9000 kg (Imperial)



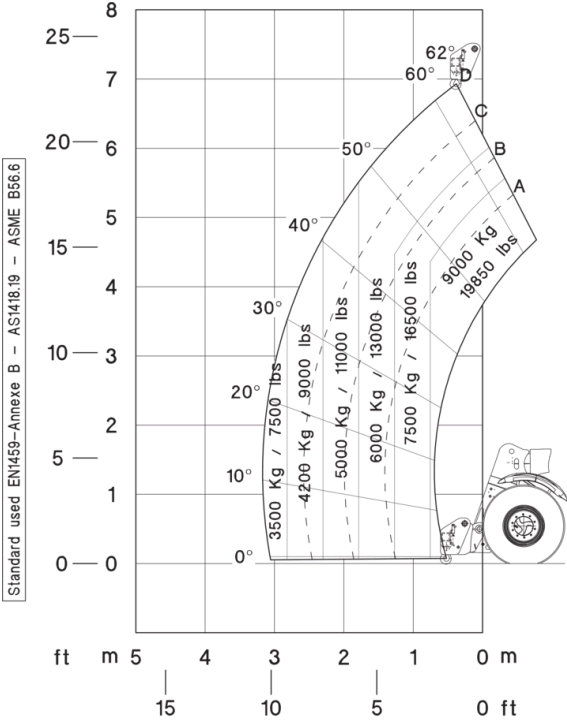
Machine on tyres with winch 9000 kg (Metric)



Machine on tyres with jib Imperial



Machine on tyres with jib Metric





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