

Technical sheet :

MHT 790 ST5



 **MANITOU**
HANDLING YOUR WORLD

| Capacities | | Metric |
|--|-----------|--|
| Max. capacity | Q | 9000 kg |
| Load center of gravity | c | 600 mm |
| Max. lifting height | | 6.80 m |
| Maximum outreach | | 3.70 m |
| Weight and dimensions | | |
| Overall length | l1 | 6.41 m |
| Unladen weight (with forks) | | 13420 kg |
| Ground clearance | m4 | 0.44 m |
| Wheelbase | y | 2.87 m |
| Length to face of forks | l2 | 5.21 m |
| Overall width | b1 | 2.47 m |
| Overall height | h17 | 2.54 m |
| Overall cab width | b4 | 0.93 m |
| Tilt-up angle | a4 | 15 ° |
| Tilt-down angle | a5 | 109 ° |
| External turning radius (over tyres) | Wa1 | 4.72 m |
| Forks length / width / section | l / e / s | 1200 mm x 200 mm x 60 mm |
| Wheels | | |
| Standard tires | | 445/65 R22,5 |
| Number of front wheels / rear wheels | | 2 / 2 |
| Drive wheels (front / rear) | | 2 / 2 |
| Steering mode | | 2 wheel steer, 4 wheel steer, Crab mode |
| Engine | | |
| Engine brand | | Yanmar |
| Engine norm | | Stage V, Tier 4 |
| Engine model | | 4TN107FHT-5SMJF |
| Number of cylinders / Capacity of cylinders | | 4 - 4567 cm³ |
| Engine power (Hp / kW) | | 143 Hp / 105 kW |
| Max. torque / Engine rotation | | 602 Nm@1500 rpm |
| Engine cooling system | | Water cooled |
| Drawbar pull | | 10050 daN |
| Transmission | | |
| Transmission type | | Hydrostatic |
| Number of gears (forward / reverse) | | 2 / 2 |
| Max. travel speed | | 35 km/h |
| Parking brake | | Automatic negative parking brake |
| Service brake | | Oil-immersed multi-discs braking on front & rear axles |
| Gradeability (laden / unladen) | | 48.10 % / 37.40 % |
| Hydraulics | | |
| Hydraulic pump type | | Variable displacement pump |
| Hydraulic flow - Pressure | | 185 l/min - 270 bar |
| Tank capacities | | |
| Engine oil | | 13 l |
| Hydraulic oil | | 151 l |
| Fuel | | 165 l |
| Diesel Exhaust fluid (AdBlue® type) | | 20 l |
| Noise and vibration | | |
| Noise to environment (LWA) | | 107 dB |
| Vibration on hands/arms | | < 2.50 m/s² |
| Noise at driving position (LpA) tested following NF EN 12053 nom | | 75 dB |
| Miscellaneous | | |
| Cab certification | | Cabin ROPS - FOPS level 2 |
| Controls | | JSM |

MHT 790 ST5 - Dimensional drawing

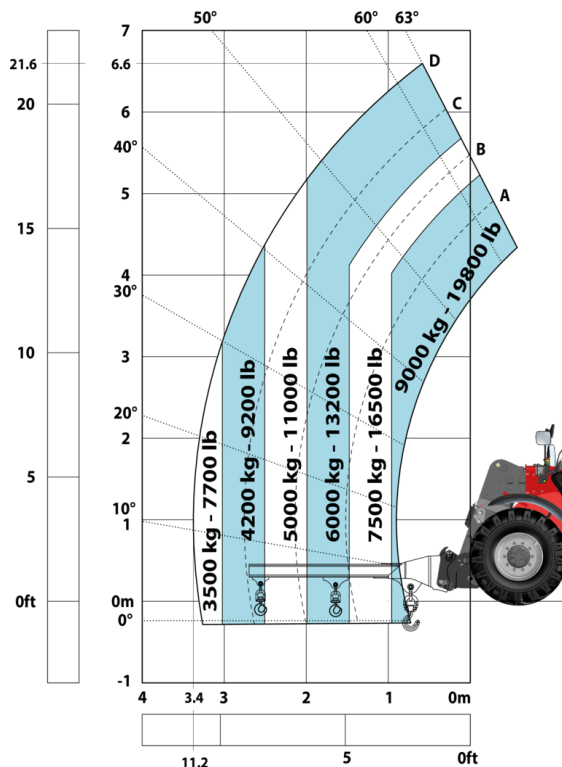


MHT 790 ST5 - Load chart

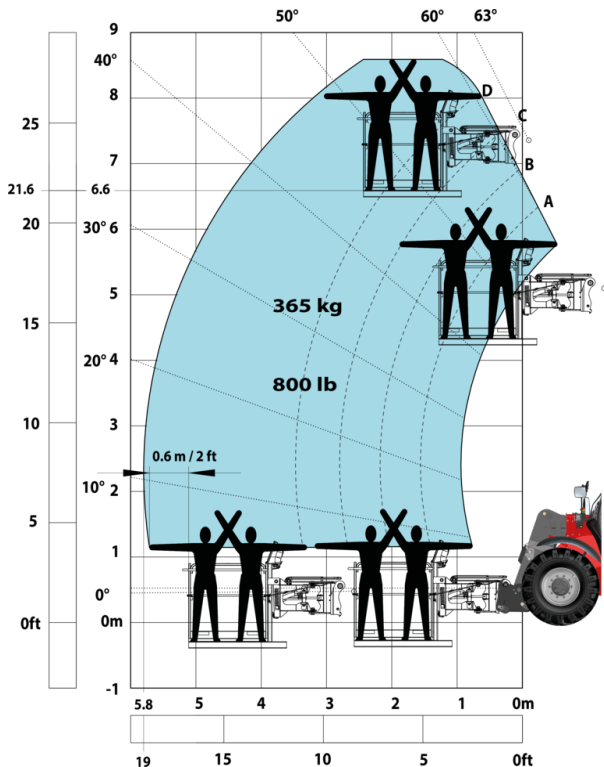
Machine on tires with forks LC 600 mm Metric



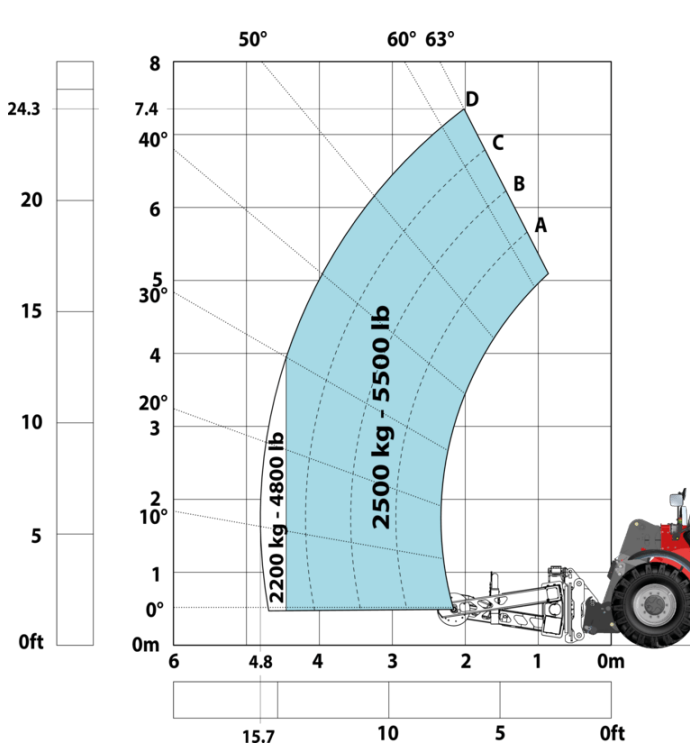
Machine on tires with 3-hook jib 9000 kg (Metric)



Machine on tires with platform Metric



Machine on tires with tire handler TH 49 (Metric)



Machine on tires with cylinder handler CH 4 (Metric)





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