

Technical sheet :

MHT-X 10160 ST3A



 **MANITOU**
HANDLING YOUR WORLD

| Capacities | | Metric |
|--|-----------|--|
| Max. capacity | | 16000 kg |
| Load center of gravity | c | 600 mm |
| Max. lifting height | | 9.60 m |
| Max. outreach | | 5.20 m |
| Weight and dimensions | | |
| Overall length | l1 | 7.35 m |
| Unladen weight (with forks) | | 21500 kg |
| Ground clearance | m4 | 0.43 m |
| Wheelbase | y | 3.37 m |
| Length to face of forks | l2 | 6.15 m |
| Overall width | b1 | 2.48 m |
| Overall height | h17 | 2.99 m |
| Overall cab width | b4 | 0.95 m |
| Tilt-up angle | a4 | 12 ° |
| Tilt-down angle | a5 | 104 ° |
| External turning radius (over tyres) | Wa1 | 5.20 m |
| Forks length / width / section | l / e / s | 1200 mm x 180 mm x 75 mm |
| Frame leveling corrector | a9 | 9 ° |
| Wheels | | |
| Standard tires | | 17,5-R25 |
| 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 nom | | Stage IIIA |
| Engine model | | 4TN107TF-6SMU1 |
| Number of cylinders / Capacity of cylinders | | 4 - 4567 cm³ |
| I.C. Engine power rating / Power | | 173 Hp / 127 kW |
| Max. torque / Engine rotation | | 805 Nm@1500 rpm |
| Engine cooling system | | Water |
| Number of batteries | | 2 |
| Battery voltage | | 12 V |
| Drawbar pull | | 11770 daN |
| Transmission | | |
| Transmission type | | Hydrostatic |
| Number of gears (forward / reverse) | | 2 / 2 |
| Max. travel speed | | 30 km/h |
| Parking brake | | Automatic negative parking brake |
| Service brake | | Oil-immersed multi-discs braking on front & rear axles |
| Gradeability (laden / unladen) | | 32.40 % / 55.40 % |
| Hydraulics | | |
| Hydraulic pump type | | Variable displacement pump |
| Hydraulic flow - Pressure | | 185 l/min - 350 bar |
| Tank capacities | | |
| Engine oil | | 13 l |
| Fuel tank | | 315 l |
| Noise and vibration | | |
| Noise to environment (LwA) | | 108 dB |
| Vibration on hands/arms | | < 2.50 m/s² |
| Noise at driving position (LpA) tested following NF EN 12053 nom | | 75 dB |
| Miscellaneous | | |
| Safety cab homologation | | Cabin ROPS - FOPS level 2 |
| Controls | | JSM |
| Attachment recognition system (E-Reco) | | Standard |

MHT-X 10160 ST3A - Dimensional drawing



MHT-X 10160 ST3A - Load chart

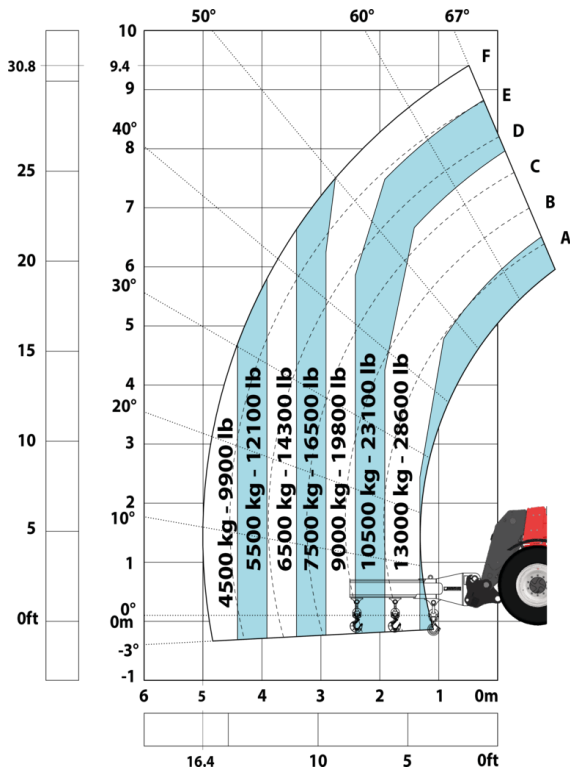
Machine on tires with forks LC 600 mm Metric



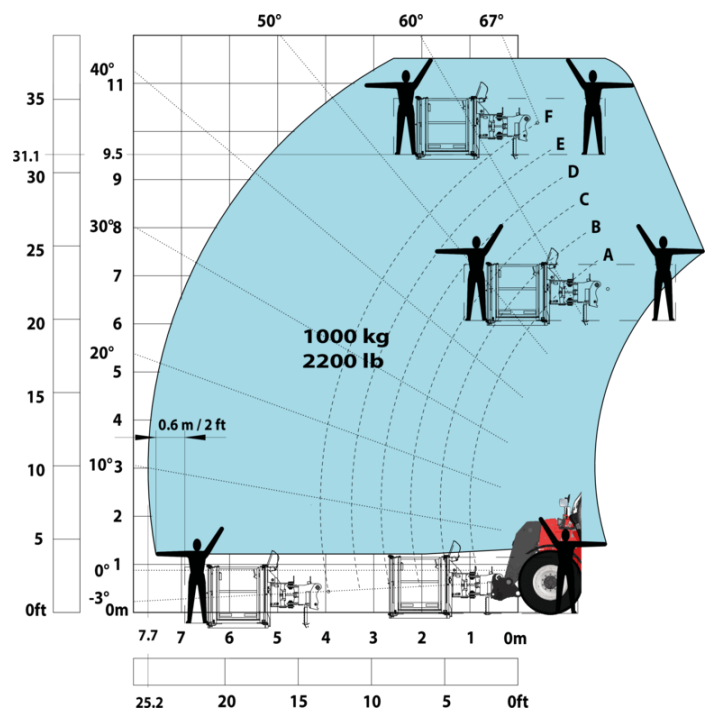
Machine on tires with forks LC 1200 mm Metric



Machine on tires with 3-hook jib 16000 kg (Metric)



Machine on tires with platform Metric



Machine on tires with tire handler TH 51 (Metric)



Machine on tires with cylinder handler CH 4 (Metric)





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