

Technical sheet :

MHT 10160 ST5



 **MANITOU**
HANDLING YOUR WORLD

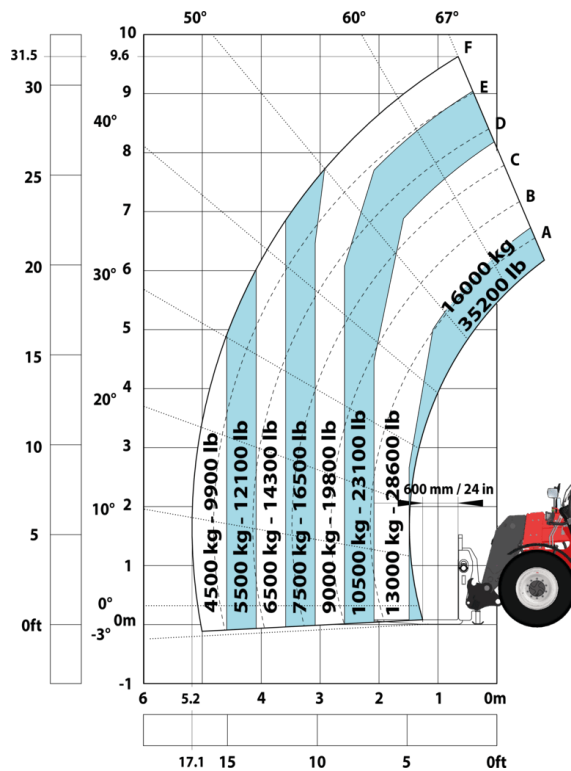
| Capacities | | Imperial |
|---|-----------|--|
| Max. capacity | | 35274 lb |
| Load center of gravity | c | 24 in |
| Max. lifting height | | 31 ft 6 in |
| Maximum outreach | | 17 ft 1 in |
| Weight and dimensions | | |
| Overall length | l1 | 24 ft 1 in |
| Unladen weight (with forks) | | 45658 lb |
| Ground clearance | m4 | 1 ft 5 in |
| Wheelbase | y | 11 ft 1 in |
| Length to face of forks | l2 | 20 ft 2 in |
| Overall width | b1 | 8 ft 2 in |
| Overall height | h17 | 9 ft 10 in |
| Overall cab width | b4 | 3 ft 1 in |
| Tilt-up angle | a4 | 12 ° |
| Tilt-down angle | a5 | 104 ° |
| External turning radius (over tyres) | Wa1 | 17 ft 1 in |
| Forks length / width / section | l / e / s | 47 in x 7 in x 3 in |
| 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 norm | | Stage V, Tier 4 |
| Engine model | | 4TN107FTT-6SMU1 |
| Number of cylinders / Capacity of cylinders | | 4 - 279 in³ |
| I.C. Engine power rating / Power | | 173 Hp / 127 kW |
| Max. torque / Engine rotation | | 594 ft/lbs@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 | | 19 mph |
| 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 | | 45 US gpm - 5076 PSI |
| Tank capacities | | |
| Engine oil | | 3 US gal |
| Fuel tank | | 83 US gal |
| Diesel Exhaust fluid (AdBlue® type) | | 6 US gal |
| Noise and vibration | | |
| Noise to environment (LwA) | | 108 dB |
| Vibration on hands/arms | | < 8 ft/s² |
| Miscellaneous | | |
| Cab certification | | Cabin ROPS - FOPS level 2 |
| Controls | | JSM |
| Attachment recognition system (E-Reco) | | Standard |

MHT 10160 ST5 - Dimensional drawing

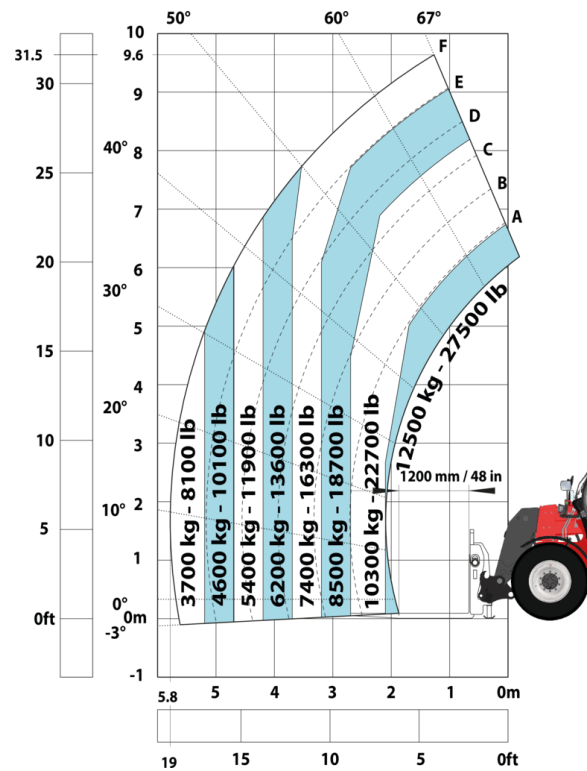


MHT 10160 ST5 - Load chart

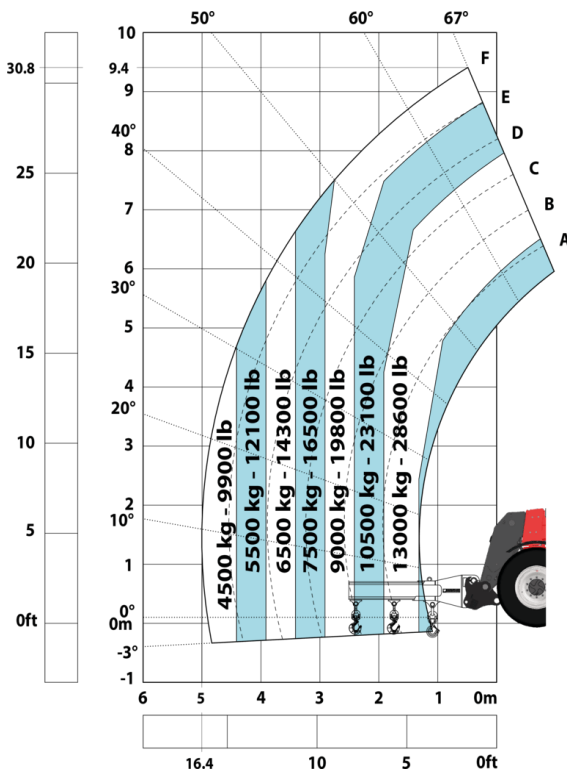
Machine on tires with forks LC 600 mm (Imperial)



Machine on tires with forks LC 1200 mm Imperial



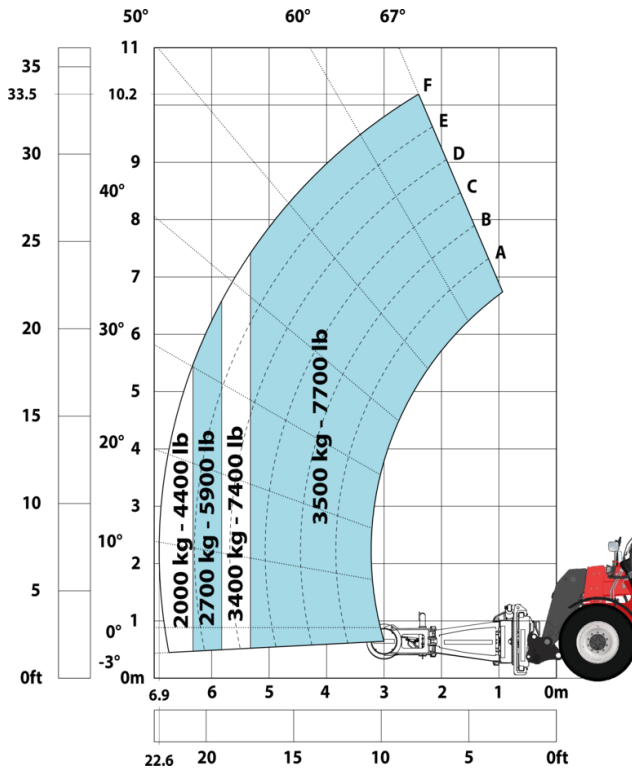
Machine on tires with 3-hook jib 16000 kg (Imperial)



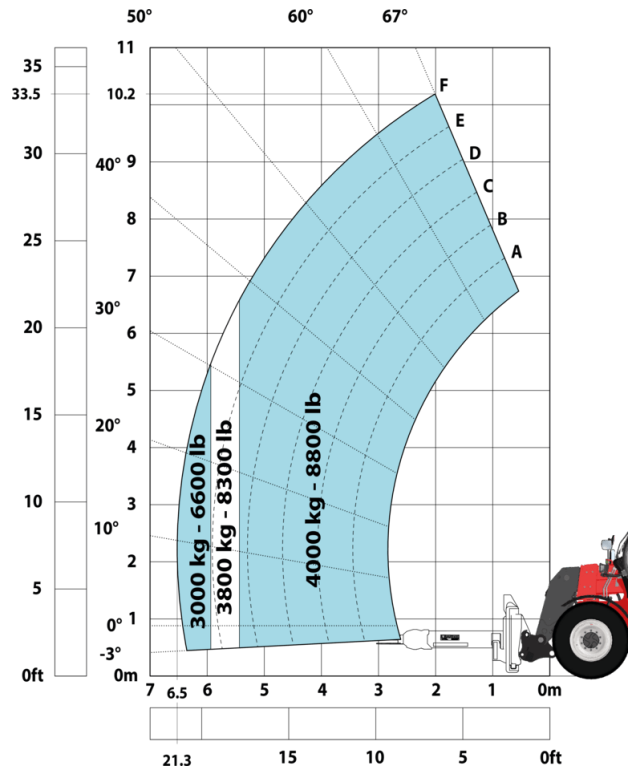
Machine on tires with platform Imperial



Machine on tires with tire handler TH 51 (Imperial)



Machine on tires with cylinder handler CH 4 (Imperial)





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