

Technical sheet :

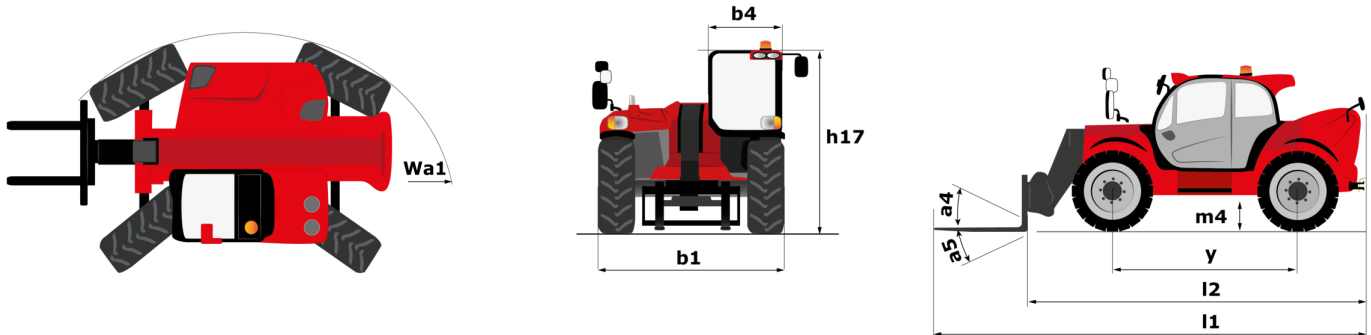
MHT-X 790 ST3A



 **MANITOU**
HANDLING YOUR WORLD

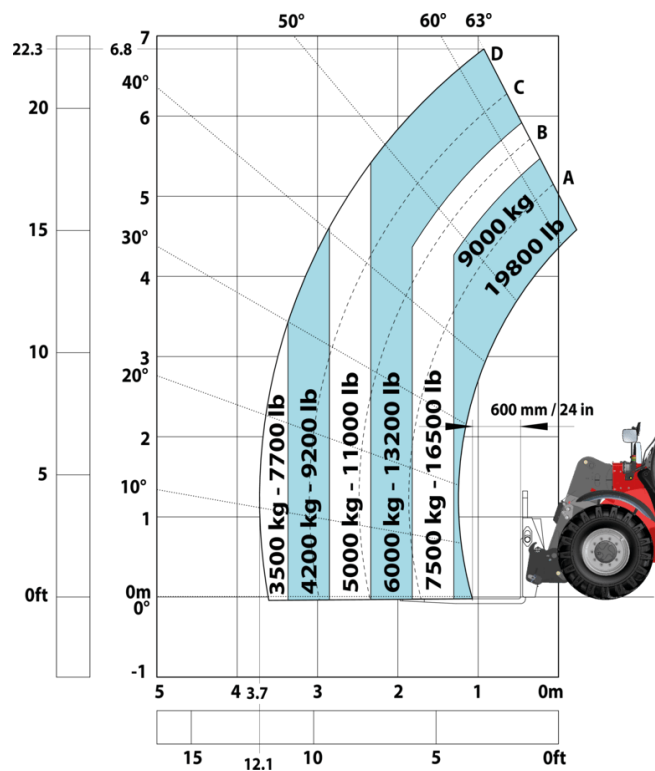
| Capacities | | Metric |
|---------------------------------------------|-----------|--------------------------------------------------------|
| Max. capacity | | 9000 kg |
| Load center of gravity | c | 600 mm |
| Max. lifting height | | 6.80 m |
| Max. outreach | | 3.70 m |
| Weight and dimensions | | |
| Overall length | l1 | 6.41 m |
| Unladen weight (with forks) | | 13160 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-down angle | a5 | 109 ° |
| Tilt-up angle | a4 | 15 ° |
| External turning radius (over tyres) | Wa1 | 4.72 m |
| Forks length / width / section | l / e / s | 1200 mm x 200 mm / 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 IIIA |
| Engine model | | 4TN107HT-5SMUF |
| Number of cylinders / Capacity of cylinders | | 4 - 4567 cm³ |
| I.C. Engine power rating / Power | | 143 Hp / 105 kW |
| Max. torque / Engine rotation | | 602 Nm@1500 rpm |
| Engine cooling system | | Water |
| Battery voltage | | 12 V |
| 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 tank | | 165 l |
| Noise and vibration | | |
| Noise at driving position (LpA) | | 75 dB |
| Noise to environment (LwA) | | 107 dB |
| Vibration on hands/arms | | < 2.50 m/s² |
| Miscellaneous | | |
| Safety cab homologation | | ROPS - FOPS level 2 cab |
| Controls | | JSM |

MHT-X 790 ST3A - Dimensional drawing

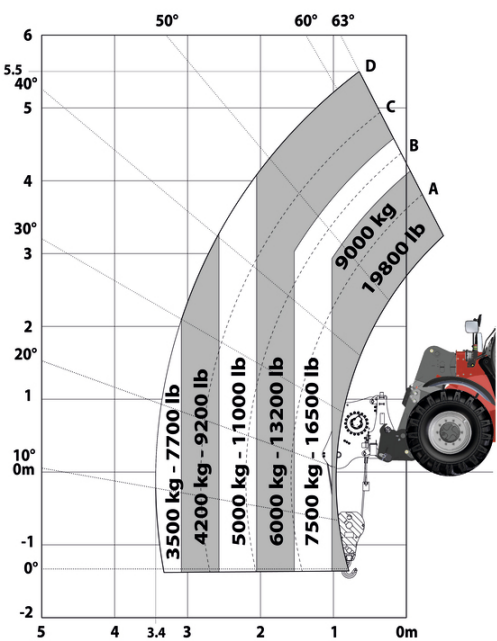


MHT-X 790 ST3A - Load chart

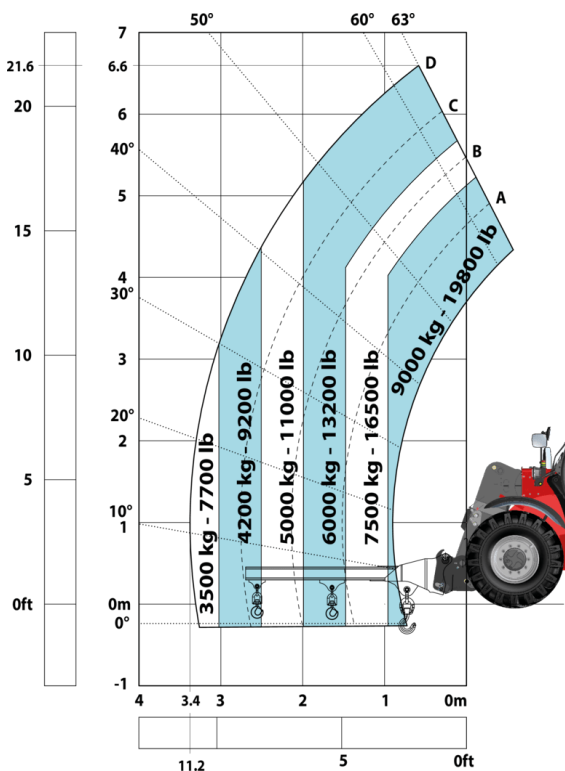
Machine on tyres with forks LC 600 mm Metric



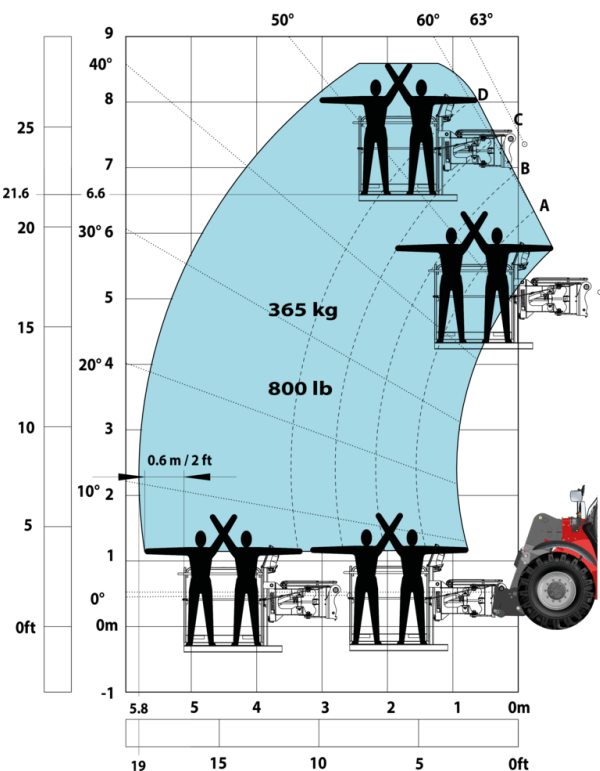
Machine on tyres with winch 9000 kg (Metric)



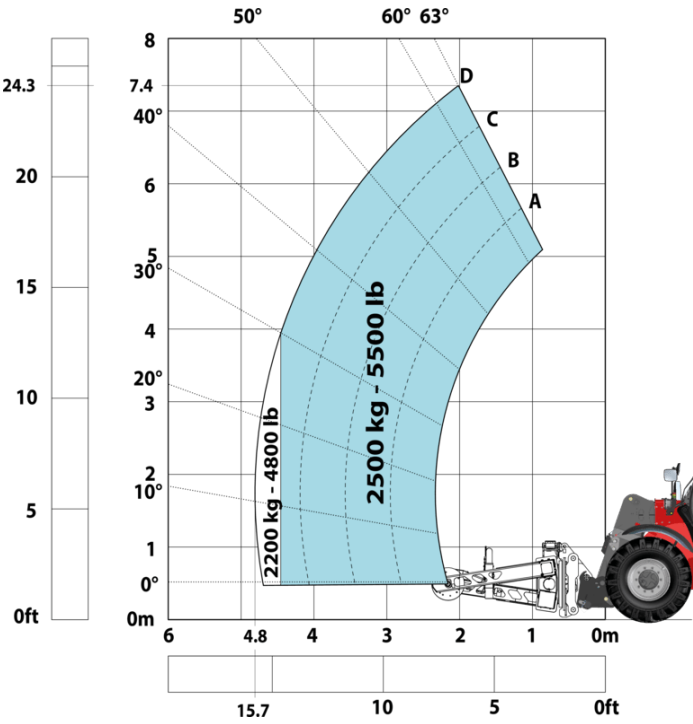
Machine on tyres with 3-hook jib 9000 kg (Metric)



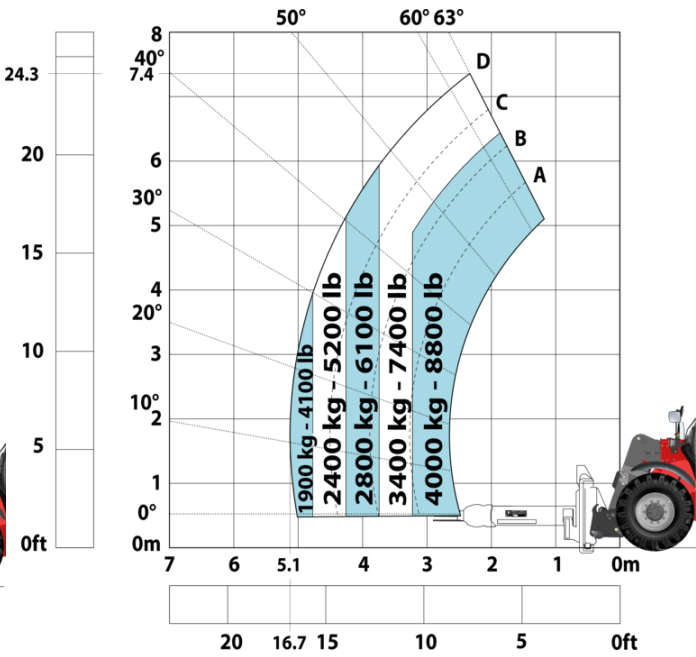
Machine on tyres with platform Metric



Machine on tyres with tyre handler TH 49 (Metric)



Machine on tyres with cylinder handler CH 4 (Metric)





Head Office

B.P. 249 - 430 rue de l'Aubinière

44150 Ancenis Cedex - France

Tel: +33 (0)2 40 09 10 11 - Fax: +33 (0)2 40 09 10 97

www.manitou.com



This publication provides a description of the configuration versions and options for Manitou products, which may differ for equipment. The equipment presented in this brochure may be part of a series, as an option, or it may not be available, depending on the versions. Manitou reserves the right, at any time and without notice, to amend the specifications described and represented. The specifications provided do not bind the manufacturer. For more details, please contact your Manitou agent. This is not a contractually binding document. The presentation of the products is not contractually binding. List of specifications non-exhaustive. The logos as well as the visual identity of the company are owned by Manitou and cannot be used without authorisation. All rights reserved. The photos and diagrams contained in this brochure are only provided for consultation and information purposes.

MANITOU BF SA - Limited company with board of directors - Share capital: 39,668,399 euros - 857 802 508 RCS Nantes