

Technical sheet :

# MHT-X 790 ST3A

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 **MANITOU**  
HANDLING YOUR WORLD

| Capacities  |           | Metric   |
|---|-----------|--|
| Max. capacity   |           | 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)                                       |           | 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-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 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   |
| Fuel tank   |           | 165 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 norm |           | 75 dB  |
| Miscellaneous   |           |  |
| Cab certification   |           | Cabin ROPS - FOPS level 2                              |
| Controls  |           | JSM  |

## MHT-X 790 ST3A - Dimensional drawing



## MHT-X 790 ST3A - Load chart

Machine on tires with forks LC 600 mm Metric



Machine on tires with winch 9000 kg (Metric)



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



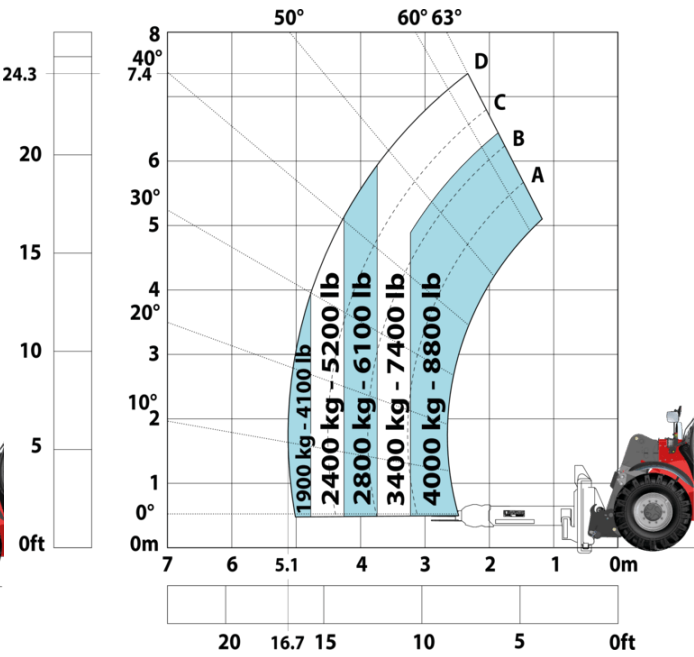
Machine on tires with platform Metric



Machine on tires with tire handler TH 49 (Metric)



Machine on tires with cylinder handler CH 4 (Metric)





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