

Technical sheet :

# **MHT-X 790 ST3A**

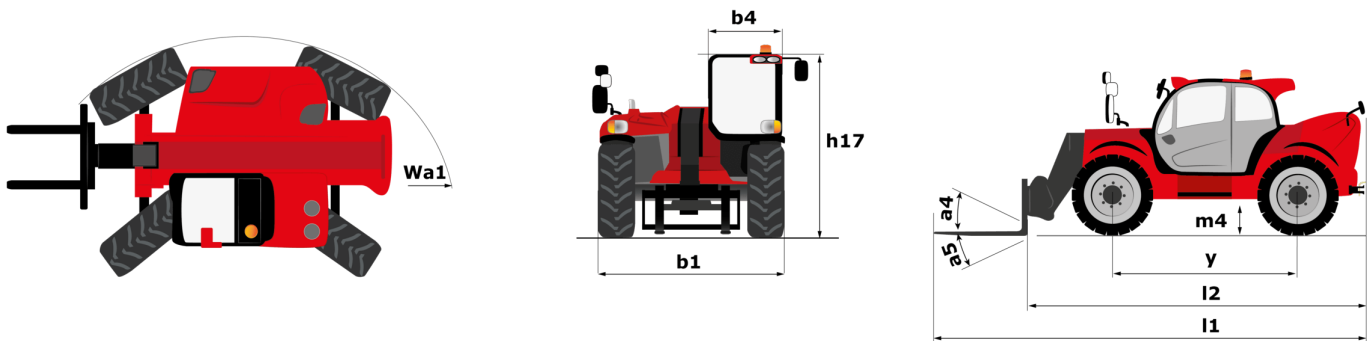
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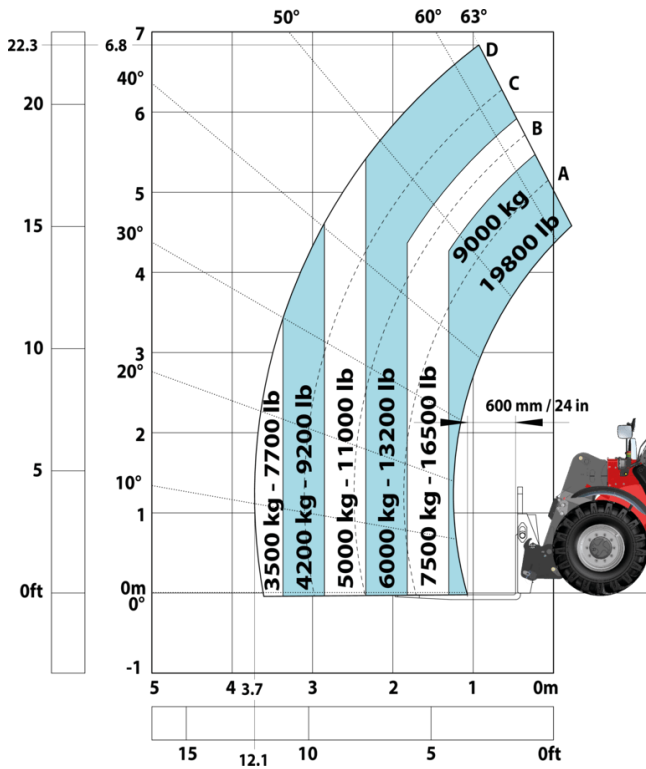
| Capacities                                                        |           | Metric                                                 |
|-------------------------------------------------------------------|-----------|--------------------------------------------------------|
| Max. capacity                                                     |           | 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-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                                                     |           |                                                        |
| Safety cab homologation                                           |           | Cabin ROPS - FOPS level 2                              |
| Controls                                                          |           | JSM                                                    |

## MHT-X 790 ST3A - Dimensional drawing

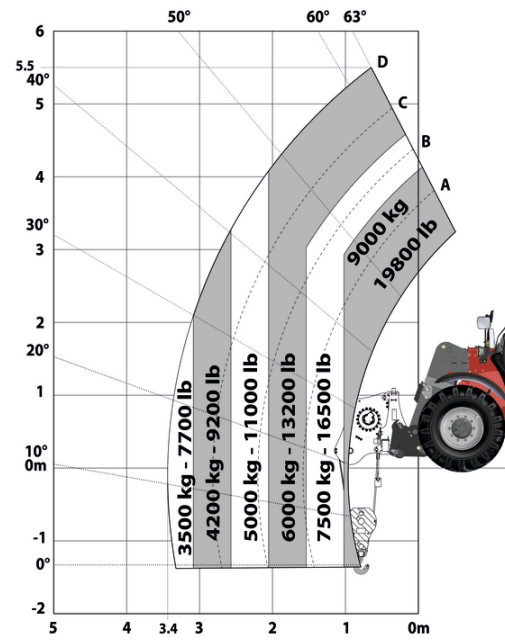


## MHT-X 790 ST3A - Load chart

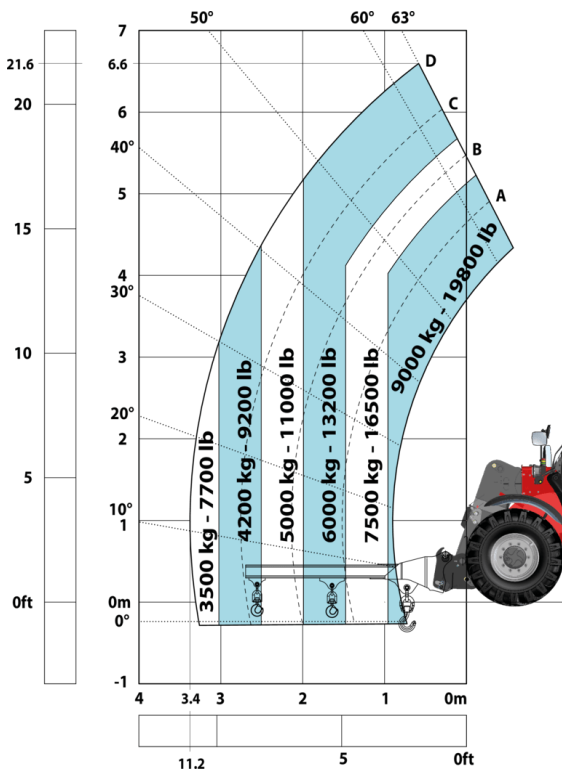
Machine on tires with forks LC 600 mm Metric



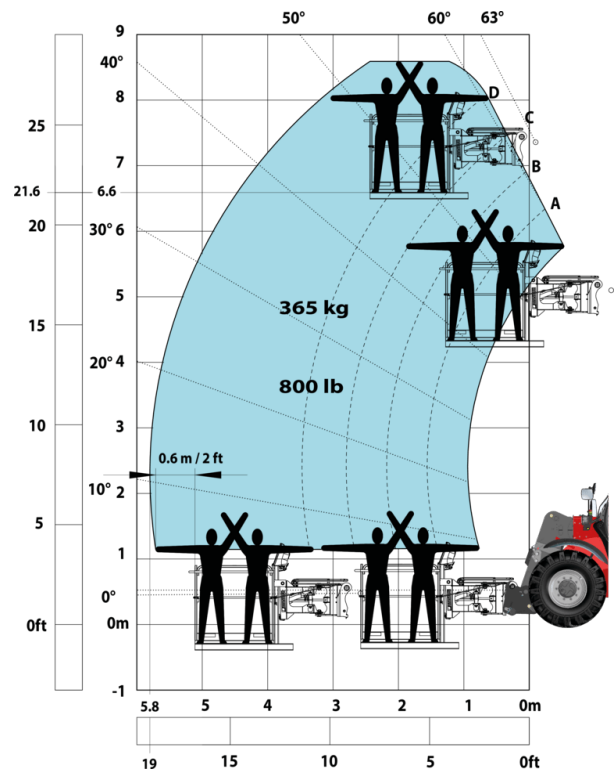
Machine on tires with winch 9000 kg (Metric)



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

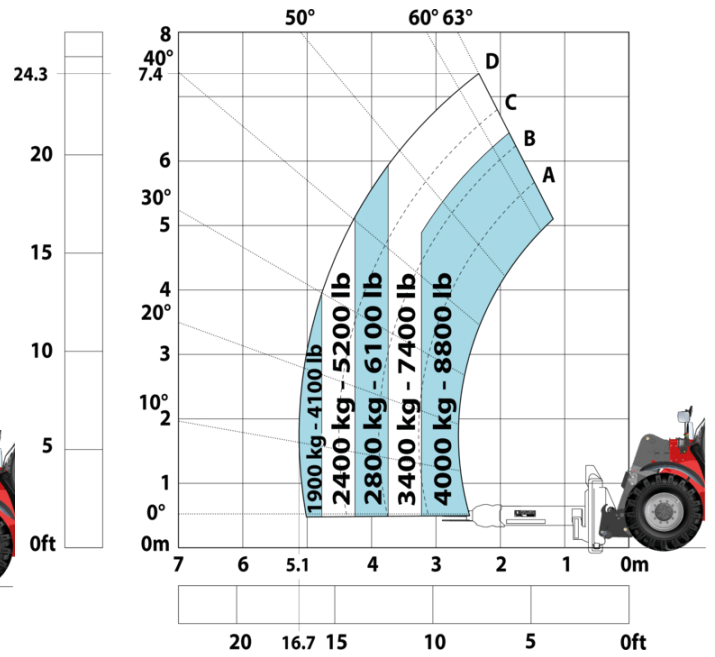
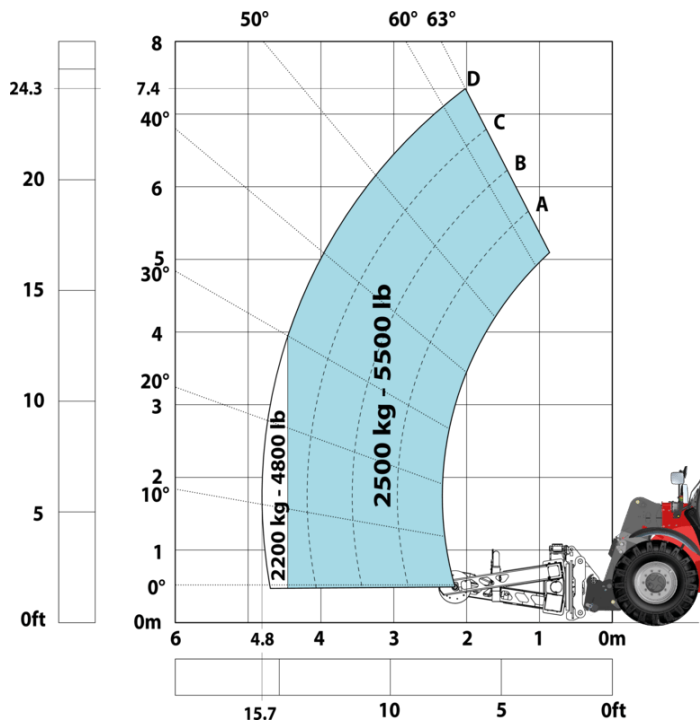


Machine on tires with platform Metric



Machine on tires with tire handler TH 49 (Metric)

Machine on tires with cylinder handler CH 4 (Metric)





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