

Technical sheet :

# MHT-X 860 S2

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 **MANITOU**  
HANDLING YOUR WORLD

| Capacities                                  |           | Imperial                                    |
|---|-----------|---|
| Max. capacity                               |           | 13228 lb                                    |
| Load center of gravity                      | c         | 24 in                                       |
| Max. lifting height                         |           | 26 ft 7 in                                  |
| Max. outreach                               |           | 15 ft 9 in                                  |
| Weight and dimensions                       |           |   |
| Overall length                              | l1        | 17 ft 7 in                                  |
| Unladen weight (with forks)                 |           | 25574 lb                                    |
| Ground clearance                            | m4        | 1 ft 4 in                                   |
| Wheelbase                                   | y         | 8 ft 11 in                                  |
| Length to face of forks                     | l2        | 17 ft 7 in                                  |
| Overall width                               | b1        | 7 ft 10 in                                  |
| Overall height                              | h17       | 8 ft 1 in                                   |
| Overall cab width                           | b4        | 2 ft 10 in                                  |
| Tilt-down angle                             | a5        | 123 °                                       |
| Tilt-up angle                               | a4        | 11 °  |
| External turning radius (over tyres)        | Wa1       | 17 ft 1 in                                  |
| Outer turning radius (with forks)           | b15       | 12 ft 5 in                                  |
| Forks length / width / section              | l / e / s | 47 in x 8 in / 2 in                         |
| Frame leveling corrector                    | a9        | 8 °   |
| Wheels                                      |           |   |
| Standard tires                              |           | Michelin - XF 1E TL - 18 R22.5              |
| Number of front wheels / rear wheels        |           | 2 / 2                                       |
| Steering wheels (front / rear)              |           | 2 / 2                                       |
| Drive wheels (front / rear)                 |           | 2 / 2                                       |
| Steering mode                               |           | 2 wheel steer, 4 wheel steer, Crab mode     |
| Engine                                      |           |   |
| Engine brand                                |           | Perkins                                     |
| Engine norm                                 |           | Stage IIIA                                  |
| Engine model                                |           | 1104D 44 T                                  |
| Number of cylinders / Capacity of cylinders |           | 4 - 269 in³                                 |
| I.C. Engine power rating / Power            |           | 101 Hp / 74.50 kW                           |
| Max. torque / Engine rotation               |           | 410 ft/lbs@1400 rpm                         |
| Engine cooling system                       |           | Water                                       |
| Battery voltage                             |           | 12 V  |
| Drawbar pull                                |           | 10130 daN                                   |
| Transmission                                |           |   |
| Transmission type                           |           | Hydrostatic                                 |
| Number of gears (forward / reverse)         |           | 2 / 2                                       |
| Max. travel speed                           |           | 19 mph                                      |
| Parking brake                               |           | Automatic Negative Hand-brake               |
| Service brake                               |           | Hydraulic                                   |
| Hydraulics                                  |           |   |
| Hydraulic pump type                         |           | Variable displacement pump                  |
| Hydraulic flow - Pressure                   |           | 37 US gpm - 3989 PSI                        |
| Tank capacities                             |           |   |
| Engine oil                                  |           | 2 US gal                                    |
| Hydraulic oil                               |           | 37 US gal                                   |
| Fuel tank                                   |           | 32 US gal                                   |
| Noise and vibration                         |           |   |
| Noise at driving position (LpA)             |           | 80.80 dB                                    |
| Noise to environment (LWA)                  |           | 105 dB                                      |
| Vibration on hands/arms                     |           | < 2.50 m/s²                                 |
| Miscellaneous                               |           |   |
| Safety / Safety cab homologation            |           | Standard EN 15000 - ROPS - FOPS level 2 cab |
| Controls                                    |           | JSM   |
| Attachment recognition system (E-Reco)      |           | Standard                                    |

## MHT-X 860 S2 - Dimensional drawing





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