# MHT & MHT-X790

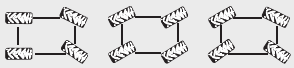
## TECHNICAL DATA SHEET




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# MHT & MHT-X 790

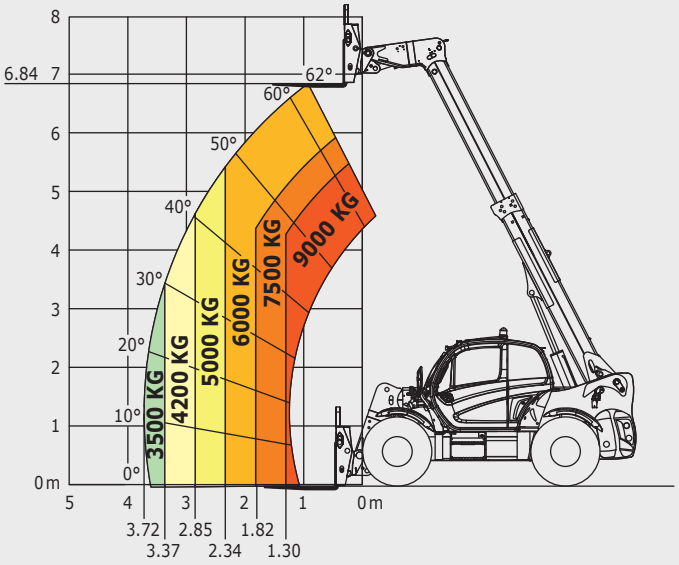
| | MHT 790 | MHT-X 790 |
|---|---|---|
| **Lifting** | | |
| Max. capacity at 600 mm LC | 9 000 kg | |
| Max. lifting height | 6.84 m | |
| Max. outreach | 3.72 m | |
| **Unladen time** | | |
| Lifting | 9.2 s | |
| Lowering | 7.8 s | |
| Extension | 6.6 s | |
| Retraction | 6.1 s | |
| **Tyres** | 445/65 R22.5 | |
| **Braking** | | |
| Service brake | Multiple-disc brake with oil bath on front and rear axles | |
| Parking brake | Automatic negative parking brake | |
| **Engine** | John Deere Stage IIIb (Interim Tier IV) | John Deere Stage IIIa |
| Type | 4045PWX | 4045 PWX |
| Displacement | 4.5 l | |
| Power | 141 HP / 104 kW | 137 HP / 102 kW |
| Max. torque | 534 Nm / 1500 rpm | 545 Nm / 1500 rpm |
| Injection | Direct | |
| Laden drawbar pull | 10905 daN | |
| Gradeability (laden) | 48% | |
| **Transmission** | Hydrostatic | |
| Reversing shift | electrohydraulic control | |
| Number of gears (forward/reverse) | 2/2 | |
| Max. travel speed (may vary according to applicable regulations) | 30 kph | |
| Axle | DANA | |
| Steering mode | 4 Wheel Steer - 3 steering modes  | |
| **Controls** | JSM® Joystick multi-function - Load limiter cut off system - EN 15000 Norm | |
| **Hydraulics** | Axial piston variable displacement pump (LS) | |
| Load Sensing Pump | 180 l/min - 270 bar | |
| **Capacities** | | |
| Hydraulic oil | 151 l | |
| Fuel | 150 l | |
| **Unladen weight** (with forks) | 13 020 kg | |
| **Dimensions** | | |
| Overall length to carriage | 5.27 m | |
| Ground clearance | 0.41 m | |
| Overall width | 2.47 m | |
| Overall height | 2.48 m | |
| Standard forks (length x width x thickness) | 1200 x 200 x 60 mm | |
| Turning radius *over tyres* (V2) | 4.88 m | |
| Carriage Rotation (crowd / dump) | 137° | |
| **Noise and vibration** | | |
| Noise at driving position (LpA) | 79.7 dB | |
| Environmental noise (LwA) | 103 dB | |
| Vibration to whole hand/arm | <2.5 m/s$^2$ | |

This brochure describes versions and configuration options for MANITOU products which may be fitted with different equipment. The equipment described in this brochure may be standard, optional or not available depending on version. MANITOU reserves the right to change the specifications shown and described at any time and without prior warning. The manufacturer is not liable for the specifications given. For more information, contact your MANITOU dealer. Non-contractual document. Product descriptions may differ from actual products. List of specifications is not comprehensive. The logos and visual identity of the company are the property of MANITOU and may not be used without authorisation. All rights reserved. The photos and diagrams contained in this brochure are provided for information only.
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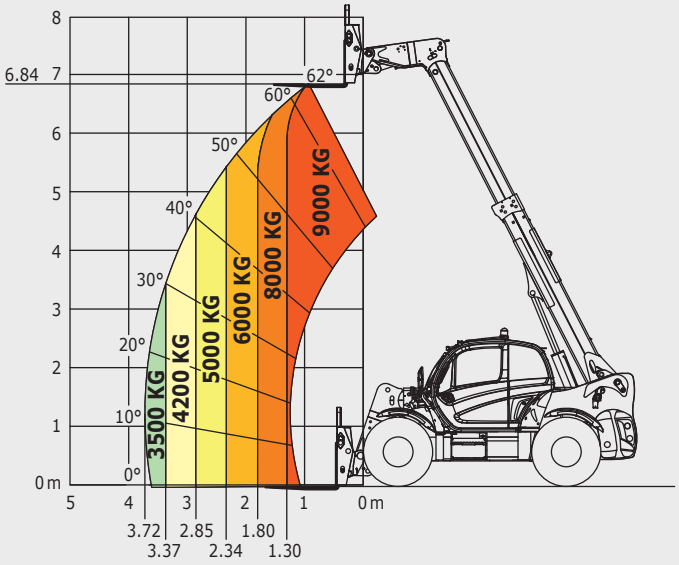
# MHT & MHT-X 790

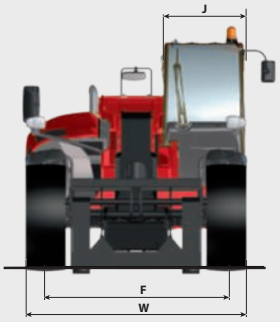
## Machine on tyres with forks
## CDG 600 mm

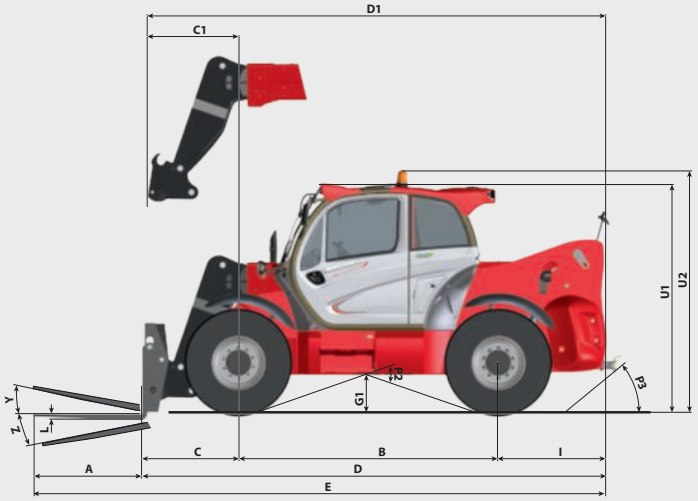
### Rough Terrain Load Chart
### EN 1459 Annex B

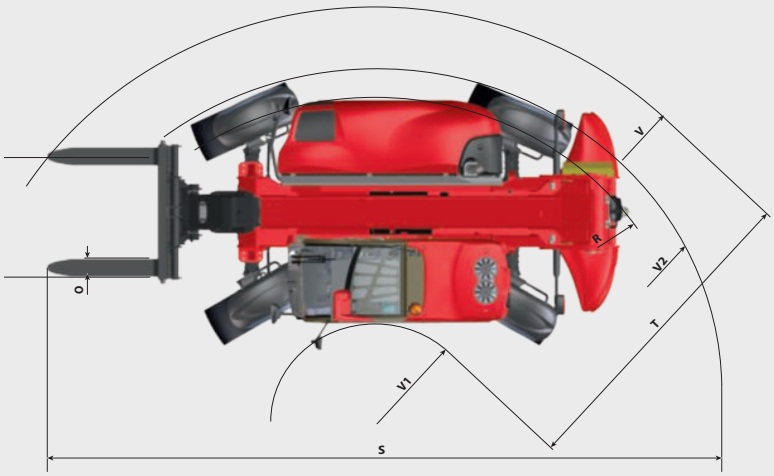



### Industrial Load Chart
### EN 1459 Annex A




| mm | MHT/MHT-X 790 |
|---|---|
| A | 1200 |
| B | 2870 |
| C | 1128 |
| C1 | 997 |
| D | 5273 |
| D1 | 5142 |
| E | 6473 |
| F | 2020 |
| G1 | 409 |
| I | 1275 |
| J | 884 |
| L | 60 |
| O | 200 |
| P2 | 38° |
| P3 | 26° |
| R | 4801 |
| S | 8647 |
| T | 3481 |
| U1 | 2478 |
| U2 | 2657 |
| V | 5592 |
| V1 | 2110 |
| V2 | 4884 |
| W | 2473 |
| Y | 12° |
| Z | 125° |

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