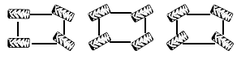
TECHNICAL DATA SHEET

MHT-X 790

Manitou Heavy Telescopic

MANITOU
HANDLING YOUR WORLD

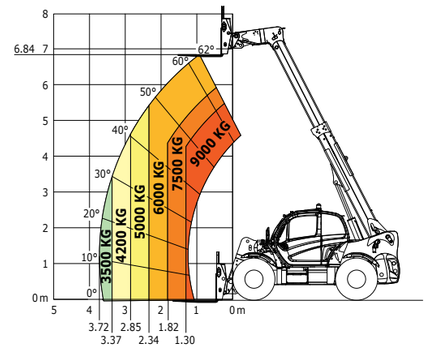
MHT-X 790

	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 IIIa
Type	4045 PWX
Displacement	4.5 l
Power	137 HP / 102 kW
Max. torque	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/s²

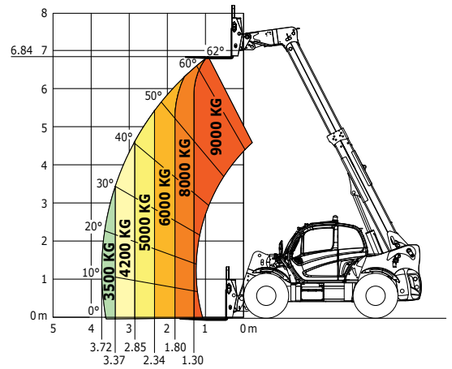
MHT-X 790

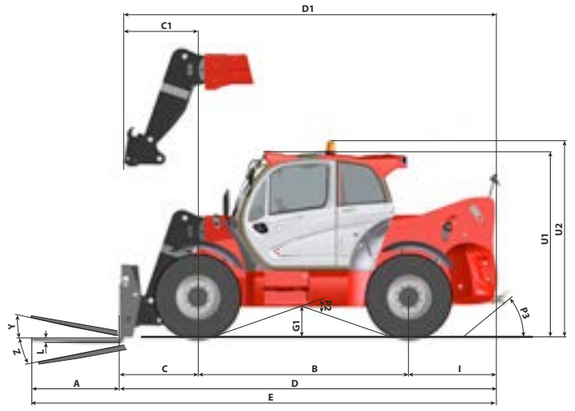
Machine on tyres with forks
CDG 600 mm

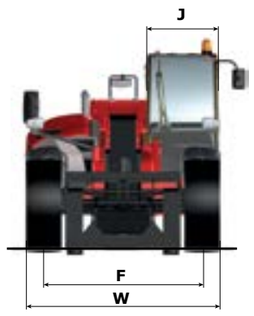
Rough terrain load chart
EN 1459 Annexe B

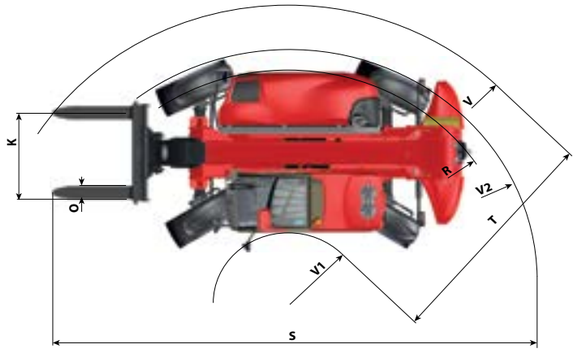


Industrial load chart
EN 1459 Annexe A









mm	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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