Technical sheet :

# MHT 790 MINING ST5



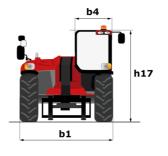


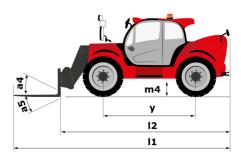
#### мнт 790 мінінд sts Created on September 13, 2025 at 6:56 AM UTC

Capacities		Metric
Max. capacity		9000 kg
Load center of gravity	С	600 mm
Max. lifting height		6.80 m
Maximum outreach		3.70 m
Weight and dimensions		
Overall length	1	6.41 m
Unladen weight (with forks)		13160 kg
Ground clearance	m4	0.44 m
Wheelbase	у	2.87 m
Length to face of forks	12	5.21 m
Overall width	b1	2.47 m
Overall height	h17	2.50 m
Overall cab width	b4	0.93 m
Tilt-up angle	a4	12 °
Tilt-down angle	a5	125 °
External turning radius (over tyres)	Wa1	4.89 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
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		Yanmar
Engine norm		Stage V, Tier 4
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		10905 daN
Transmission		
Transmission type		Hydrostatic
Number of gears (forward / reverse)		2/2
Max. travel speed		35 km/h
Parking brake		Automatic negative parking brake
		Oil-immersed multi-discs braking on front & rear
Service brake		axles
Hydraulics		
Hydraulic pump type		Variable displacement pump
Hydraulic flow - Pressure		185 l/min - 270 bar
Tank capacities		
Engine oil		13
Fuel tank		165 l
Noise and vibration		
Noise to environment (LwA)		103 dB
Vibration on hands/arms		< 2.50 m/s²
Miscellaneous		
Safety / Cab certification		Standard EN 15000 - Cabin ROPS - FOPS level 2
Controls		JSM

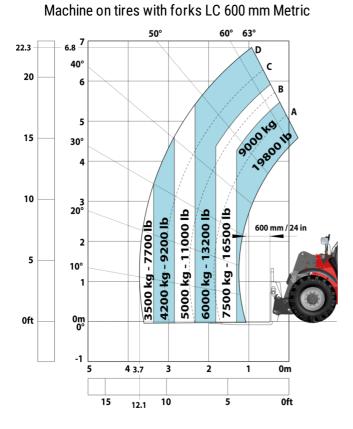
## MHT 790 Mining ST5 - Dimensional drawing



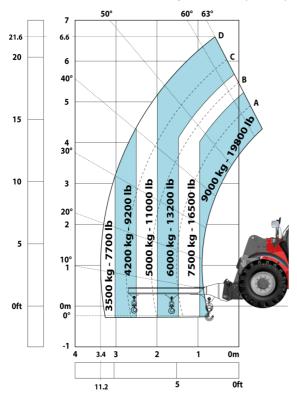




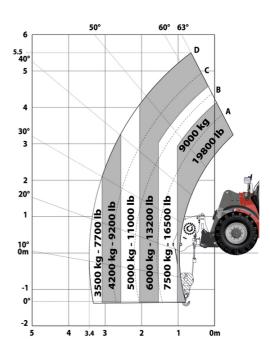
#### MHT 790 Mining ST5 - Load chart



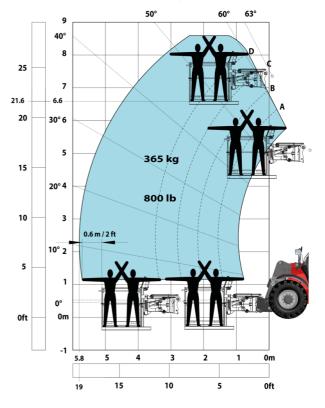
### Machine on tires with 3-hook jib 9000 kg (Metric)



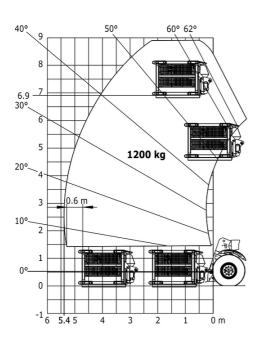
Machine on tires with winch 9000 kg (Metric)



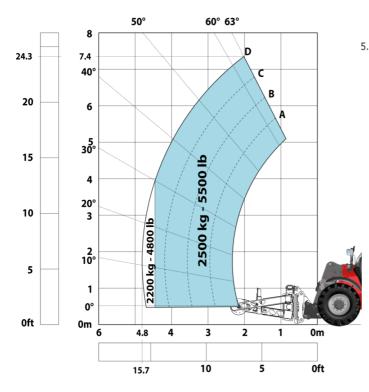
Machine on tires with platform Metric



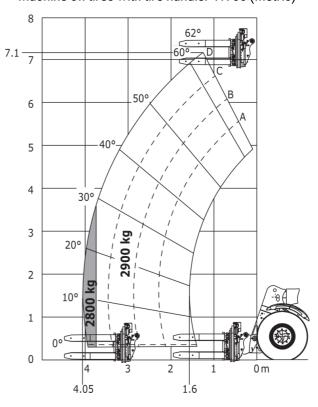
Machine on tires with underground mining platform (Metric)



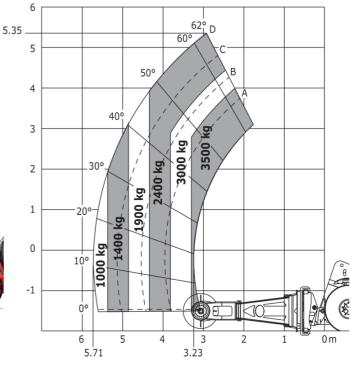
Machine on tires with tire handler TH 49 (Metric)



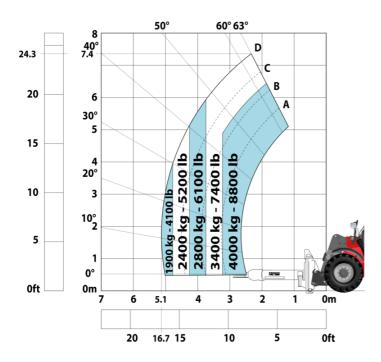
Machine on tires with tire handler TH 35 (Metric)



Machine on tires with tire handler TH 51 (Metric)



Machine on tires with cylinder handler CH 4 (Metric)



## **Mining Specifications**

	MHT 790 Mining ST5
Lifting function	
Camera in boom head with screen in cab	0
Clamp predisposition (controls from cabin)	S
Comfort Ride Control (CRC) boom suspension	0
Working platform predisposition with remote control	S
Lighting	
Brake Lights ON When Park Brake ON	S
Flat Led Rotating Beacon	S
LED Flashing Lights On Cabin (Marker Lights)	S
LED tramming lights	S
LED work lights - On the top of the boom (fixed part) (x2)	S
LED working lights on cab (x4 : 2 front + 2 rear)	S
Motorization/Power	
Hydraulic hose sleeve burst protection	0
Radiator safety cap	S
Operator station	
Roof and Windshield Guard	S
Other options	
Battery + Starter Isolators + Jump Start Receptacle	S
Stainless steel tool box	S
Pneumatics	
Steel mudguards	0
Secondary functions	
Automatic greasing system (AGS) - Chassis + boom	0
Fast fuel filling system	0
Security	
"Guardian Angel" System Level 1	S
360° visibility safety system	S
Boom cylinder lock	S
Emergency steering	S
Emergency stop by safety valve	0
Emergency stop: 1 in cab, 2 on external	S
Engine compartment fire prevention kit	0
Extinguisher brackets (x3)	S
Fire suppression system	0
Fuse board protection - MHT's	S
High visibility reflective strips	S
Loose wheel nut indicators	S
Marking - Warning & Danger decals	S
Mining protection grids: right, left and back windows	S
Negative brakes on front & rear axles	S
Rear bumper	0
Right side bumper	0
Steel Protection Guards on all working and road lights	S
System with attachments recognition (E-reco)	S
Wheel chocks	S

## Equipment

360° visibility safety system Battery + Starter Isolators + Jump Start Receptacle Boom cylinder lock Brake Lights ON When Park Brake ON Clamp predisposition (controls from cabin) Emergency steering Emergency stop: 1 in cab, 2 on external Extinguisher brackets (x3) Flat Led Rotating Beacon Fuse board protection - MHT's High visibility reflective strips LED Flashing Lights On Cabin (Marker Lights) LED Flashing Lights On Cabin (Marker Lights) LED tramming lights LED work lights - On the top of the boom (fixed part) (x2) LED working lights on cab (x4 : 2 front + 2 rear) Loose wheel nut indicators Marking - Waming & Danger decals Mining protection grids: right, left and back windows Negative brakes on front & rear axles Radiator safety cap Roof and Windshield Guard Stainless steel tool box Steel Protection Guards on all working and road lights	Standard	
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Steel Protection Guards on all working and road lights System with attachments recognition (E-reco) Wheel chocks	Roof and Windshield Guard	
System with attachments recognition (E-reco) Wheel chocks	Stainless steel tool box	
Wheel chocks	Steel Protection Guards on all working and road lights	
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Working platform predisposition with remote control	Wheel chocks	
·· · ·	Working platform predisposition with remote control	

#### Optional

Automatic greasing system (AGS) - Chassis + boom	
Camera in boom head with screen in cab	
Comfort Ride Control (CRC) boom suspension	
Emergency stop by safety valve	
Engine compartment fire prevention kit	
Fast fuel filling system	
Fire suppression system	
Hydraulic hose sleeve burst protection	
Rear bumper	
Right side bumper	
Steel mudguards	



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