Technical sheet:

# MHT 790 MINING ST5

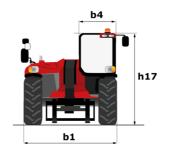


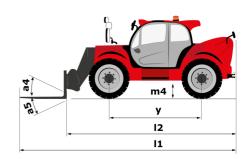


	MHT 790 MINING ST5 Created on July 31, 2025 at 8:36 PM
Capacities	Metric
Max. capacity	9000 kg
Load center of gravity	c 600 mm
Max. lifting height	6.80 m
Maximum outreach	3.70 m
Weight and dimensions	
Overall length	I1 6.41 m
Unladen weight (with forks)	13160 kg
Ground clearance	m4 0.44 m
Wheelbase	у 2.87 m
Length to face of forks	12 5.21 m
Overall width	b1 2.47 m
	h17 2.50 m
Overall height	
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 cm <sup>3</sup>
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	10000 duit
Transmission type	Hydrostatic
	2 / 2
Number of gears (forward / reverse)	
Max. travel speed	35 km/h
Parking brake	Automatic negative parking brake
Service brake	Oil-immersed multi-discs braking on front & r axles
Hydraulics	dates
Hydraulics Hydraulic pump type	Variable displacement pump
Hydraulic flow - Pressure	185 l/min - 270 bar
Tank capacities	
Engine oil	131
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 leve

## MHT 790 Mining ST5 - Dimensional drawing

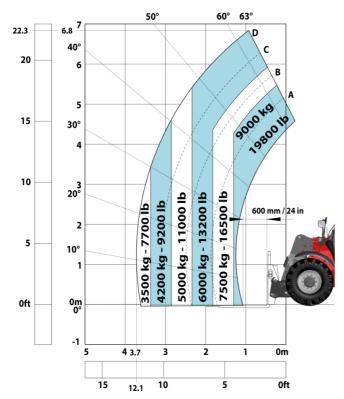




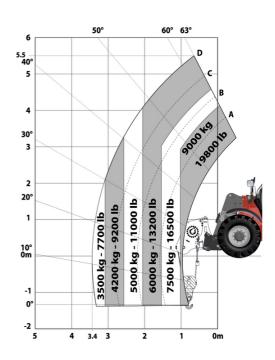


#### MHT 790 Mining ST5 - Load chart

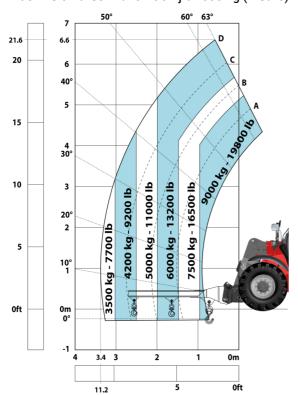
#### Machine on tires with forks LC 600 mm Metric



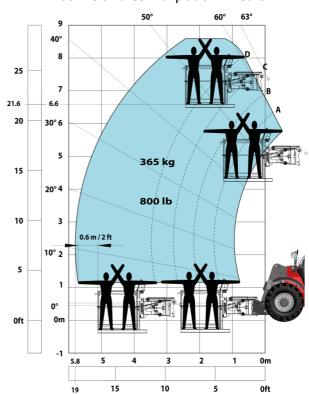
#### Machine on tires with winch 9000 kg (Metric)



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

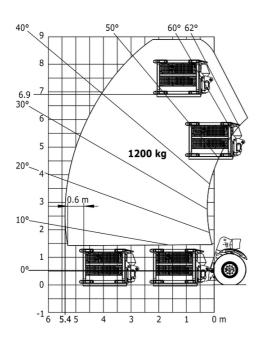


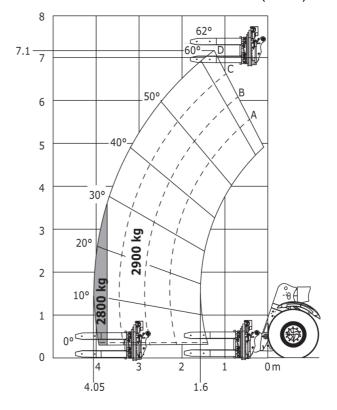
#### Machine on tires with platform Metric



Machine on tires with underground mining platform (Metric)

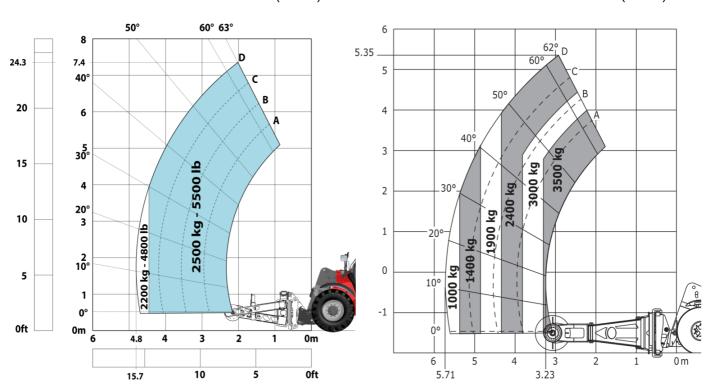
Machine on tires with tire handler TH 35 (Metric)



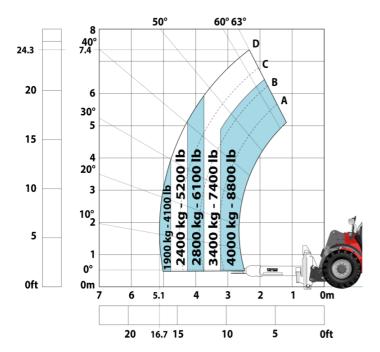


Machine on tires with tire handler TH 49 (Metric)

Machine on tires with tire handler TH 51 (Metric)



Machine on tires with cylinder handler CH 4 (Metric)



## **Mining Specifications**

Lighting Brake Lights ON When Park Brake ON 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 the top of the boom (fixed part) (x2) S LED working lights on cab (x4 : 2 front + 2 rear) Motorization/Power Hydraulic hose sleeve burst protection O Roof and Windshield Guard Other options Battery + Starter Isolators + Jump Start Receptacle S tainless steel tool box Pneumatics Steel mudguards Secondary functions Automatic greasing system (AGS) - Chassis + boom O Fast fuel filling system Security "Guardian Angel" System Level 1 S 360° visibility safety system S Boom cylinder lock Emergency steering Emergency steering S Emergency steering S Emergency steering S Emergency stop by safety valve Emergency stop: 1 in cab, 2 on external Engine compartment fire prevention kit Extinguisher brackets (x3) S Fire suppression system O Extinguisher brackets (x3) S Fire suppression system O S High side burnber S S Harking - Waming & Danger decals Mining protection girds: right, left and back windows S Regative burnber S Rear bumper Steel Protection Guards on all working and road lights S System with attachments recognition (E-reco) S		
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Boom cylinder lock  Emergency steering  S  Emergency stop by safety valve  O  Emergency stop: 1 in cab, 2 on external  S  Engine compartment fire prevention kit  O  Extinguisher brackets (x3)  S  Fire suppression system  O  Fuse board protection - MHT's  High visibility reflective strips  Loose wheel nut indicators  Marking - Warning & Danger decals  Mining protection grids: right, left and back windows  Negative brakes on front & rear axles  Rear bumper  O  Right side bumper  Steel Protection Guards on all working and road lights  S  System with attachments recognition (E-reco)  S	"Guardian Angel" System Level 1	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 S Steel Protection Guards on all working and road lights S System with attachments recognition (E-reco) S	360° visibility safety system	S
Emergency stop by safety valve  Emergency stop: 1 in cab, 2 on external  Engine compartment fire prevention kit  Extinguisher brackets (x3)  Fire suppression system  O  Fuse board protection - MHT's  High visibility reflective strips  Loose wheel nut indicators  Marking - Warning & Danger decals  Mining protection grids: right, left and back windows  Negative brakes on front & rear axles  Rear bumper  Right side bumper  Steel Protection Guards on all working and road lights  System with attachments recognition (E-reco)	Boom cylinder lock	S
Emergency stop: 1 in cab, 2 on external  Engine compartment fire prevention kit  O  Extinguisher brackets (x3)  Fire suppression system  O  Fuse board protection - MHT's  High visibility reflective strips  Loose wheel nut indicators  Marking - Warning & Danger decals  Mining protection grids: right, left and back windows  Negative brakes on front & rear axles  Rear bumper  O  Right side bumper  Steel Protection Guards on all working and road lights  S  System with attachments recognition (E-reco)  S	Emergency steering	S
Engine compartment fire prevention kit  Extinguisher brackets (x3)  Fire suppression system  O  Fuse board protection - MHT's  High visibility reflective strips  Loose wheel nut indicators  Marking - Warning & Danger decals  Mining protection grids: right, left and back windows  Negative brakes on front & rear axles  Rear bumper  Right side bumper  Steel Protection Guards on all working and road lights  System with attachments recognition (E-reco)	Emergency stop by safety valve	0
Extinguisher brackets (x3)  Fire suppression system  O  Fuse board protection - MHT's  S High visibility reflective strips  Loose wheel nut indicators  S Marking - Warning & Danger decals  Mining protection grids: right, left and back windows  S Negative brakes on front & rear axles  Rear bumper  O  Right side bumper  Steel Protection Guards on all working and road lights  S System with attachments recognition (E-reco)  S	Emergency stop: 1 in cab, 2 on external	S
Fire suppression system 0 Fuse board protection - MHT's S High visibility reflective strips S Loose wheel nut indicators S Marking - Waming & 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	Engine compartment fire prevention kit	0
Fuse board protection - MHT's  SHigh visibility reflective strips  Loose wheel nut indicators  SMarking - Warning & Danger decals  Mining protection grids: right, left and back windows  SNegative brakes on front & rear axles  Rear bumper  Right side bumper  Steel Protection Guards on all working and road lights  System with attachments recognition (E-reco)	Extinguisher brackets (x3)	S
High visibility reflective strips  Loose wheel nut indicators  S Marking - Warning & Danger decals  Mining protection grids: right, left and back windows  S Negative brakes on front & rear axles  Rear bumper  O Right side bumper  Steel Protection Guards on all working and road lights  S System with attachments recognition (E-reco)  S	Fire suppression system	0
Loose wheel nut indicators  S Marking - Warning & Danger decals  Mining protection grids: right, left and back windows  S Negative brakes on front & rear axles  Rear bumper  O Right side bumper  Steel Protection Guards on all working and road lights  System with attachments recognition (E-reco)  S	Fuse board protection - MHT's	S
Marking - Warning & Danger decals  Mining protection grids: right, left and back windows  S  Negative brakes on front & rear axles  S  Rear bumper  O  Right side bumper  Steel Protection Guards on all working and road lights  S  System with attachments recognition (E-reco)  S	High visibility reflective strips	S
Mining protection grids: right, left and back windows  S Negative brakes on front & rear axles  S Rear bumper  O Right side bumper  O Steel Protection Guards on all working and road lights  S System with attachments recognition (E-reco)  S	Loose wheel nut indicators	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	Marking - Warning & Danger decals	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	Mining protection grids: right, left and back windows	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	Negative brakes on front & rear axles	S
Right side bumper 0 Steel Protection Guards on all working and road lights S System with attachments recognition (E-reco) S	Rear bumper	
Steel Protection Guards on all working and road lights S System with attachments recognition (E-reco) S	·	
System with attachments recognition (E-reco)	-	
	Wheel chocks	S

## **Equipment**

#### "Guardian Angel" System Level 1 360° 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 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 - Warning & 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

#### Optional

Wheel chocks

Automatic greasing system (AGS) - Chassis + boom

Working platform predisposition with remote control

Camera in boom head with screen in cab

System with attachments recognition (E-reco)

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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