Technical sheet :

MHT 790 MINING ST5

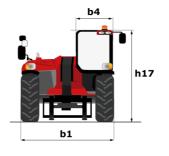


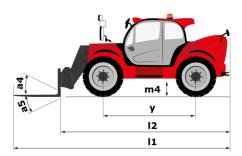


Capacities	Metric
Max. capacity	9000 kg
_oad center of gravity	c 600 mm
Nax. lifting height	6.80 m
Aaximum outreach	3.70 m
Veight and dimensions	
Overall length	l1 6.41 m
Inladen weight (with forks)	13160 kg
Ground clearance	m4 0.44 m
Vheelbase	y 2.87 m
ength to face of forks	l2 5.21 m
Dverall width	b1 2.47 m
Dverall height	h17 2.50 m
Dverall cab width	b4 0.93 m
ïlt-up angle	
ilt-down angle	a5 125°
External turning radius (over tyres)	Wa1 4.89 m
orks length / width / section	l / e / s 1200 mm x 200 mm x 60 mm
Vheels	
Standard tires	445/65 R22,5
lumber of front wheels / rear wheels	2/2
teering wheels (front / rear)	2/2
rive wheels (front / rear)	2/2
teering mode	2 wheel steer, 4 wheel steer, Crab mod
Engine	
Ingine brand	Yanmar
Engine norm	Stage V, Tier 4
ingine model	4TN107HT-5SMUF
lumber of cylinders / Capacity of cylinders	4 - 4567 cm³
.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
Fransmission	
Fransmission type	Hydrostatic
Number of gears (forward / reverse)	2/2
Aanser of gears (romand / reverse)	35 km/h
arking brake	Automatic negative parking brake
	Oil-immersed multi-discs braking on front i
Service brake	axles
lydraulics	
łydraulic pump type	Variable displacement pump
lydraulic flow - Pressure	185 l/min - 270 bar
Tank capacities	
ingine oil	13
uel tank	165
loise and vibration	
Noise to environment (LwA)	103 dB
/ibration on hands/arms	< 2.50 m/s ²
	< 2.30 m/S*
Viscellaneous	
Safety / Cab certification Controls	Standard EN 15000 - Cabin ROPS - FOPS le JSM

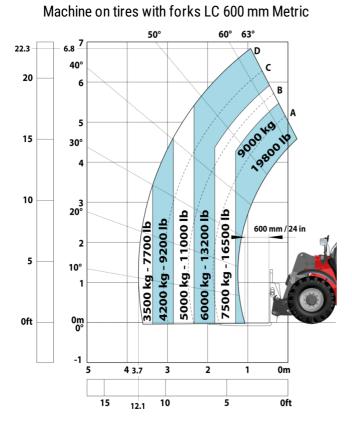
MHT 790 Mining ST5 - Dimensional drawing



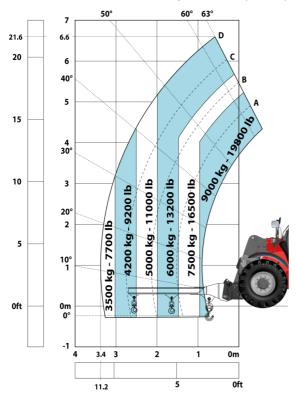




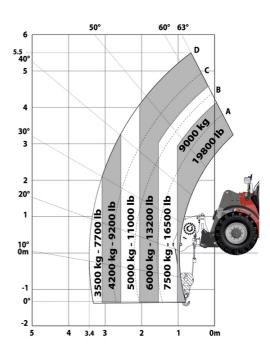
MHT 790 Mining ST5 - Load chart



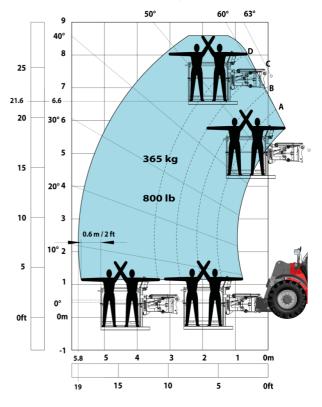
Machine on tires with 3-hook jib 9000 kg (Metric)



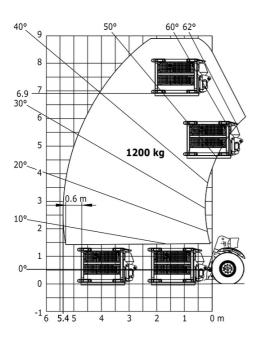
Machine on tires with winch 9000 kg (Metric)



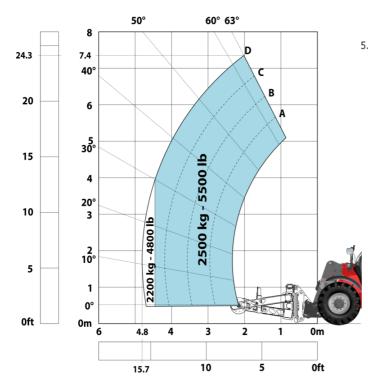
Machine on tires with platform Metric



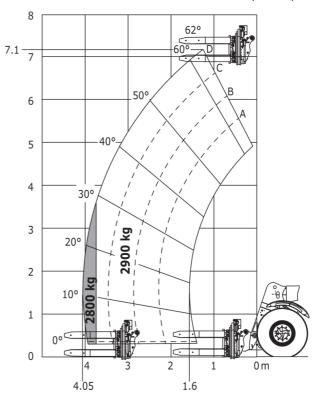
Machine on tires with underground mining platform (Metric)



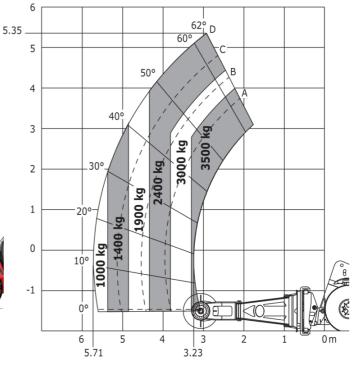
Machine on tires with tire handler TH 49 (Metric)



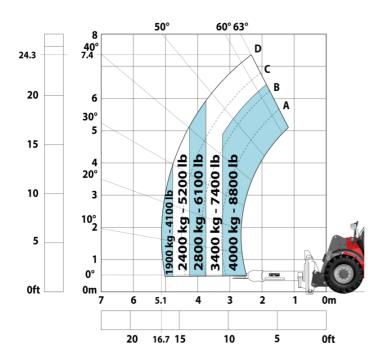
Machine on tires with tire handler TH 35 (Metric)



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

"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 extemal 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 - Waming & Danger decals Mining protection gids: 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 System with attachments recognition (E-reco) Wheel chocks	Standard
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 - 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 System with attachments recognition (E-reco) Wheel chocks	"Guardian Angel" System Level 1
Boom cylinder lock Brake Lights ON When Park Brake ON Clamp predisposition (controls from cabin) Emergency steering Emergency stop: 1 in cab, 2 on extemal Extinguisher brackets (x3) Flat Led Rotating Beacon Fuse board protection - MHT's High visibility reflective strips LED Flashing Lights On Cabin (Marker Lights) LED bowrk lights - On the top of the boom (fixed part) (x2) LED work 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 System with attachments recognition (E-reco) Wheel chocks	360° visibility safety system
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 work 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 System with attachments recognition (E-reco) Wheel chocks	Battery + Starter Isolators + Jump Start Receptacle
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 tramming lights LED work lights - On the top of the boom (fixed part) (x2) LED work 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 System with attachments recognition (E-reco) Wheel chocks	Boom cylinder lock
Emergency steeringEmergency step: 1 in cab, 2 on externalExtinguisher brackets (x3)Flat Led Rotating BeaconFuse board protection - MHTsHigh visibility reflective stripsLED Flashing Lights On Cabin (Marker Lights)LED tramming lightsLED tramming lightsLED work lights - On the top of the boom (fixed part) (x2)LED working lights on cab (x4 : 2 front + 2 rear)Loose wheel nut indicatorsMarking - Warning & Danger decalsMining protection grids: right, left and back windowsNegative brakes on front & rear axlesRadiator safety capRoof and Windshield GuardStainless steel tool boxSteel Protection Guards on all working and road lightsSystem with attachments recognition (E-reco)Wheel chocks	Brake Lights ON When Park Brake ON
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 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 System with attachments recognition (E-reco) Wheel chocks	Clamp predisposition (controls from cabin)
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 System with attachments recognition (E-reco) Wheel chocks	Emergency steering
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 System with attachments recognition (E-reco) Wheel chocks	Emergency stop: 1 in cab, 2 on external
Fuse board protection - MHT's High visibility reflective strips LED Flashing Lights On Cabin (Marker Lights) LED tramming 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 System with attachments recognition (E-reco) Wheel chocks	Extinguisher brackets (x3)
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 System with attachments recognition (E-reco) Wheel chocks	Flat Led Rotating Beacon
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 System with attachments recognition (E-reco) Wheel chocks	Fuse board protection - MHT's
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 System with attachments recognition (E-reco) Wheel chocks	High visibility reflective strips
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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 System with attachments recognition (E-reco) Wheel chocks	LED work lights - On the top of the boom (fixed part) (x2)
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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 System with attachments recognition (E-reco) Wheel chocks	Marking - Warning & Danger decals
Radiator safety cap Roof and Windshield Guard Stainless steel tool box Steel Protection Guards on all working and road lights System with attachments recognition (E-reco) Wheel chocks	Mining protection grids: right, left and back windows
Roof and Windshield Guard Stainless steel tool box Steel Protection Guards on all working and road lights System with attachments recognition (E-reco) Wheel chocks	Negative brakes on front & rear axles
Stainless steel tool box Steel Protection Guards on all working and road lights System with attachments recognition (E-reco) Wheel chocks	Radiator safety cap
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
	System with attachments recognition (E-reco)
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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