Technical sheet:

MHT-X 790 MINING ST3A

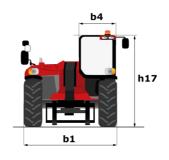


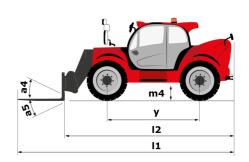


MHT-X 790 MINING ST3A Created on June		reated on June 17, 2025 at 10:51 AM C
Capacities		Metric
Max. capacity		9000 kg
Load center of gravity	С	600 mm
Max. lifting height		6.80 m
Maximum outreach		3.70 m
Weight and dimensions		
Unladen weight (with forks)		13160 kg
Ground clearance	m4	0.44 m
Wheelbase	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	I / e / s	1200 mm x 200 mm x 60 mm
Wheels	7,070	
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		2 wheel steel, 4 wheel steel, olds mode
Engine brand		Yanmar
Engine norm		Stage IIIA
Engine model		4TN107HT-5SMUF
Number of cylinders / Capacity of cylinders		4 - 4567 cm ³
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		12 V 10905 daN
· · · · · · · · · · · · · · · · · · ·		10903 dain
Transmission		Hadar skalin
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 & rea axles
Hydraulics		
Hydraulic pump type		Variable displacement pump
Hydraulic flow - Pressure		185 I/min - 270 bar
Tank capacities		
Engine oil		13
Fuel tank		165 I
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

MHT-X 790 Mining ST3A - Dimensional drawing

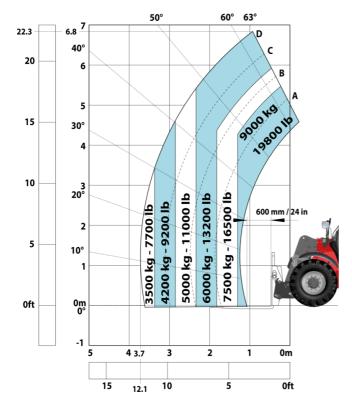




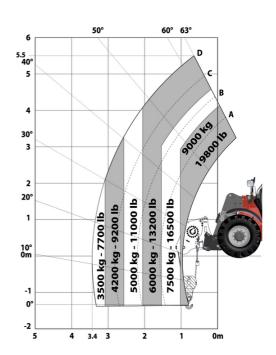


MHT-X 790 Mining ST3A - Load chart

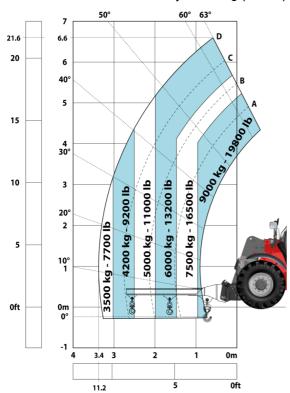
Machine on tires with forks LC 600 mm Metric



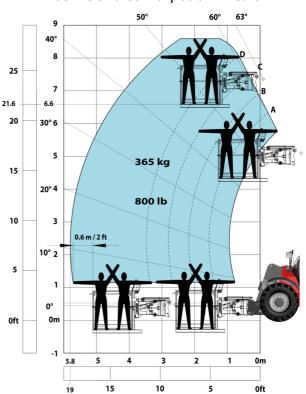
Machine on tires with winch 9000 kg (Metric)



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

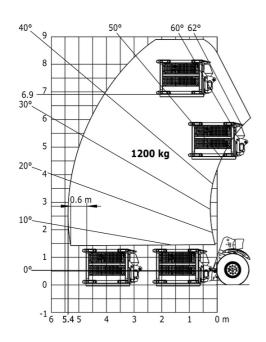


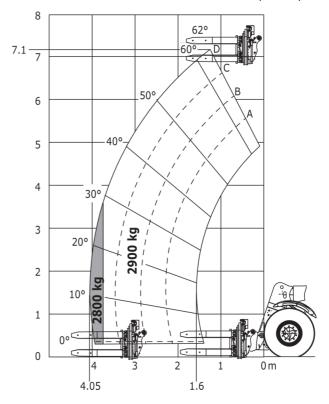
Machine on tires with platform Metric



Machine on tires with underground mining platform (Metric)

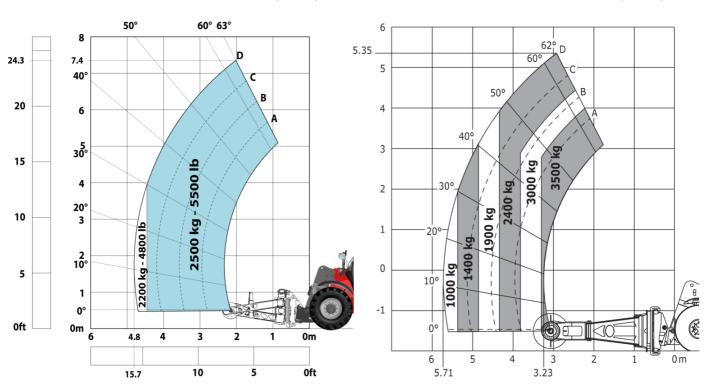
Machine on tires with tire handler TH 35 (Metric)



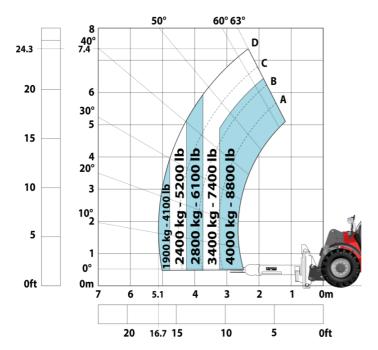


Machine on tires with tire handler TH 49 (Metric)

Machine on tires with tire handler TH 51 (Metric)



Machine on tires with cylinder handler CH 4 (Metric)



Mining Specifications

1 (fall - for all -	MHT-X 790 M
Lifting function	
Clamp predisposition (controls from cabin)	S
Comfort Ride Control (CRC) boom suspension	C
Working platform predisposition with remote control	S
Lighting	
Brake Lights ON When Park Brake ON	\$
Flat Led Rotating Beacon	5
LED Flashing Lights On Cabin (Marker Lights)	\$
LED tramming lights	
LED work lights - On the top of the boom (fixed part) (x2)	5
LED working lights on cab (x4 : 2 front + 2 rear)	
Motorization/Power	
Exhaust fume purification system	
Hydraulic hose sleeve burst protection	(
Radiator safety cap	
Operator station	
Roof and Windshield Guard	
Other options	
Battery + Starter Isolators + Jump Start Receptacle	
Pneumatics	· ·
Steel mudguards	0
Secondary functions	0
·	
Automatic greasing system (AGS) - Chassis + boom	0
Fast fuel filling system	0
Security	
'Guardian Angel" System Level 1	\$
360° visibility safety system	5
Boom cylinder lock	\$
Emergency steering	\$
Emergency stop by safety valve	(
Emergency stop: 1 in cab, 2 on external	5
Engine compartment fire prevention kit	C
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 and lateral camera with cab screen	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
MILES CHOCKS	3

Equipment

Standard

"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

Exhaust fume purification system

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

Rear and lateral camera with cab screen

Roof and Windshield Guard

Steel Protection Guards on all working and road lights

System with attachments recognition (E-reco)

Wheel chocks

Working platform predisposition with remote control

Optional

Automatic greasing system (AGS) - Chassis + boom

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 bumpe

Right side bumper

Steel mudguards





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