Technical sheet:

MHT-X 790 MINING ST3A

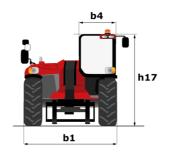


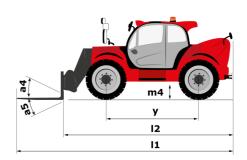


	MHT-X 790 MINING ST3A Created on July 31, 2023 at 7.03 AM C
Capacities	Metric
Max. capacity	9000 kg
Load center of gravity	c 600 mm
Max. lifting height	6.80 m
Maximum outreach	3.70 m
Weight and dimensions	
Unladen weight (with forks)	13160 kg
Ground clearance	m4 0.44 m
Wheelbase	y 2.87 m
Length to face of forks	l2 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	
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 IIIA
Engine model	4TN107HT-5SMUF
Number of cylinders / Capacity of cylinders	4 - 4567 cm ³
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	10703 daN
Fransmission type	Hydrostatic
Number of gears (forward / reverse)	2/2
Max. travel speed	35 km/h
Parking brake	Automatic negative parking brake
-aikiliy biake	
Service brake	Oil-immersed multi-discs braking on front & rea axles
Hydraulics	
Hydraulic pump type	Variable displacement pump
Hydraulic flow - Pressure	185 l/min - 270 bar
Tank capacities	
Engine oil	13
Fuel tank	165 I
Noise and vibration	
Noise to environment (LwA)	103 dB
/ibration on hands/arms	< 2.50 m/s ²
Miscellaneous	- 2.00 H/3
Safety / Cab certification	Standard EN 15000 - Cabin ROPS - FOPS level 2
Controls	JSM
. =	ON

MHT-X 790 Mining ST3A - Dimensional drawing

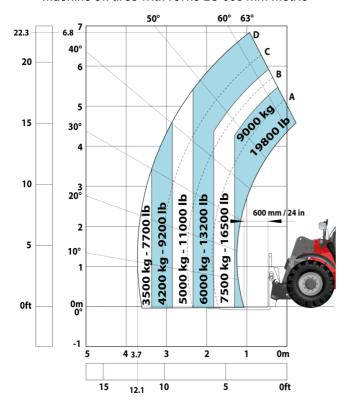




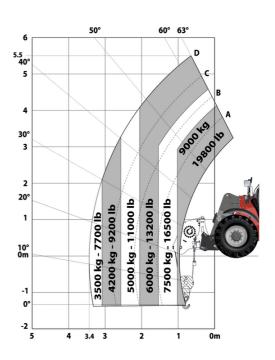


MHT-X 790 Mining ST3A - Load chart

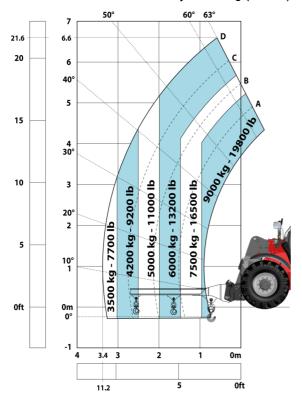
Machine on tires with forks LC 600 mm Metric



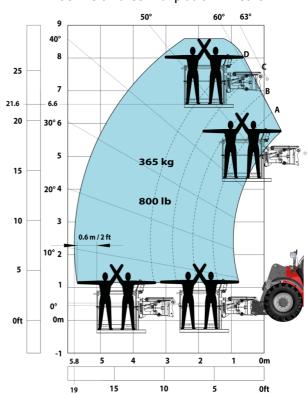
Machine on tires with winch 9000 kg (Metric)



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

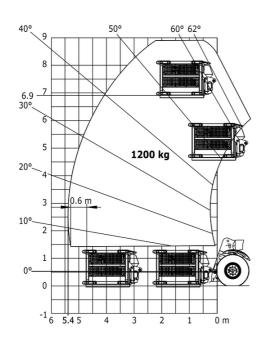


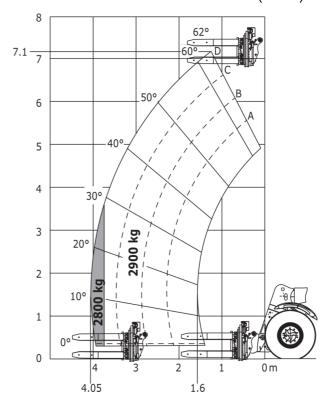
Machine on tires with platform Metric



Machine on tires with underground mining platform (Metric)

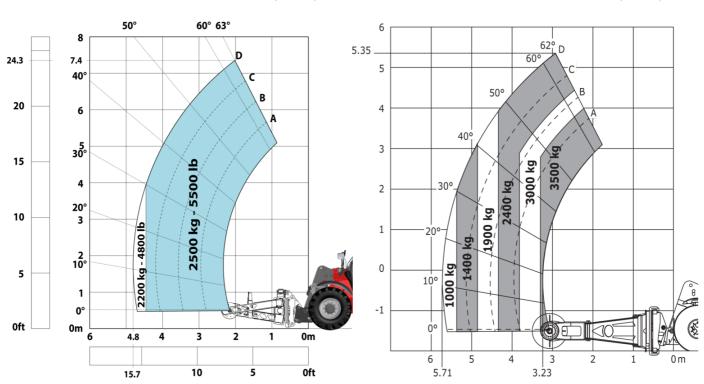
Machine on tires with tire handler TH 35 (Metric)



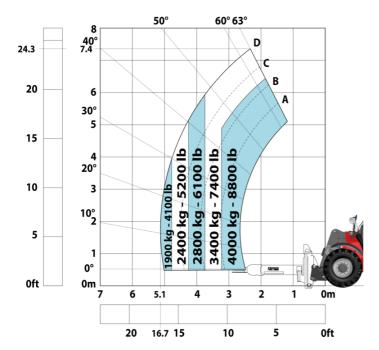


Machine on tires with tire handler TH 49 (Metric)

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

 $\label{lem:fire suppression system} \label{fire suppression system}$

Hydraulic hose sleeve burst protection

Rear bumpei

Right side bumper

Steel mudguards





Head Office

B.P. 249 - 430 rue de l'Aubinière 44150 Ancenis Cedex - France Tel: +33 (0)2 40 09 10 11 - Fax: +33 (0)2 40 09 10 97 www.manitou.com



This publication provides a description of the configuration versions and options for Manitou products, which may differ for equipment. The equipment presented in this brochure may be part of a series, as an option, or it may not be available, depending on the versions. Manitou reserves the right, at any time and without notice, to amend the specifications described and represented. The specifications provided do not bind the manufacturer. For more details, please contact your Manitou agent. This is not a contractually binding document. The presentation of the products is not contractually binding. List of specifications non-exhaustive. The logos as well as the visual identity of the company are owned by Manitou and cannot be used without authorisation. All rights reserved. The photos and diagrams contained in this brochure are only provided for consultation and information purposes.

MANITOU BF SA - Limited company with board of directors - Share capital: 39,668,399 euros - 857 802 508 RCS Nantes