Technical sheet:

MHT-X 790 MINING ST3A

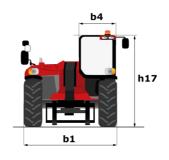


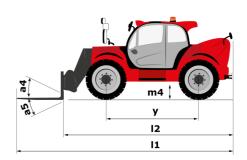


Capacities		Metric
Max. capacity		9000 kg
oad center of gravity	С	600 mm
Max. lifting height		6.80 m
Maximum outreach		3.70 m
Weight and dimensions		
Jnladen weight (with forks)		13160 kg
Ground clearance	m4	0.44 m
Wheelbase	у	2.87 m
ength to face of forks	12	5.21 m
Overall width	b1	2.47 m
Overall height	h17	2.50 m
Overall cab width	b4	0.93 m
Filt-up angle	a4	12 °
Filt-down angle	a5	125 °
External turning radius (over tyres)	Wa1	4.89 m
orks length / width / section	1/e/s	1200 mm x 200 mm x 60 mm
Wheels	17070	
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 м	heel steer, 4 wheel steer, Crab mode
Engine	Z W	neer steer, 4 wheer steer, Clab mode
Engine brand		Yanmar
Engine orang		Stage IIIA
Engine model		4TN107HT-5SMUF
•		4 - 4567 cm ³
Number of cylinders / Capacity of cylinders		143 Hp / 105 kW
.C. Engine power rating / Power		· ·
Max. torque / Engine rotation		602 Nm@1500 rpm
Engine cooling system		Water
Battery voltage		12 V
Drawbar pull		10905 daN
Transmission		0.1.00
Transmission type		Hydrostatic
Number of gears (forward / reverse)		2 / 2
Max. travel speed		35 km/h
Parking brake		Automatic negative parking brake
Service brake	Oil-imn	nersed multi-discs braking on front & re axles
Hydraulics		axies
Hydraulic pump type		Variable displacement pump
Hydraulic flow - Pressure		185 l/min - 270 bar
Tank capacities		270 bui
Engine oil		13
Fuel tank		165
Voise and vibration		1001
Noise to environment (LwA)		103 dB
fibration on hands/arms		< 2.50 m/s ²
Miscellaneous		> 2.30 III/ 5⁻
	Ot and a	rd EN 15000 - Cabin ROPS - FOPS level
Safety / Cab certification Controls	Standa	JSM

MHT-X 790 Mining ST3A - Dimensional drawing

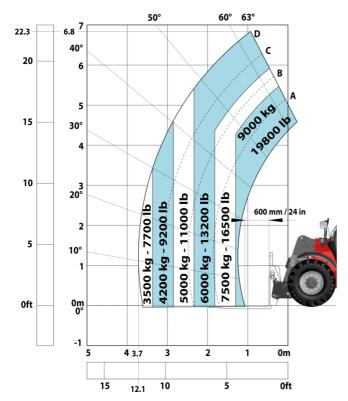




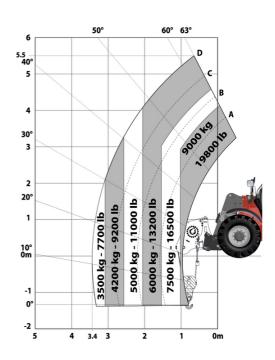


MHT-X 790 Mining ST3A - Load chart

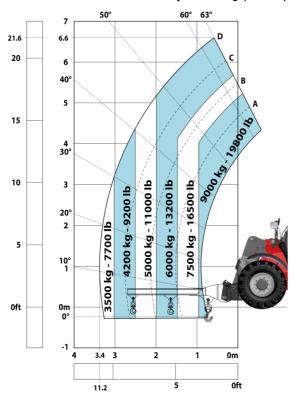
Machine on tires with forks LC 600 mm Metric



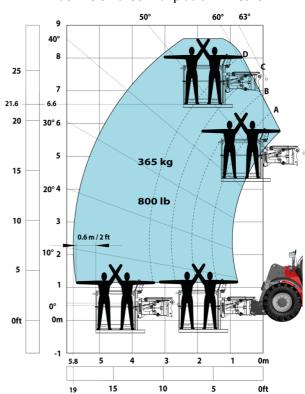
Machine on tires with winch 9000 kg (Metric)



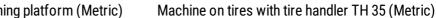
Machine on tires with 3-hook jib 9000 kg (Metric)

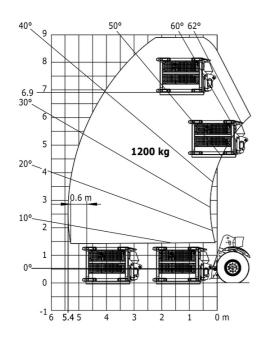


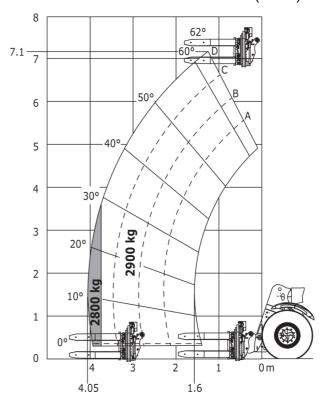
Machine on tires with platform Metric



Machine on tires with underground mining platform (Metric)

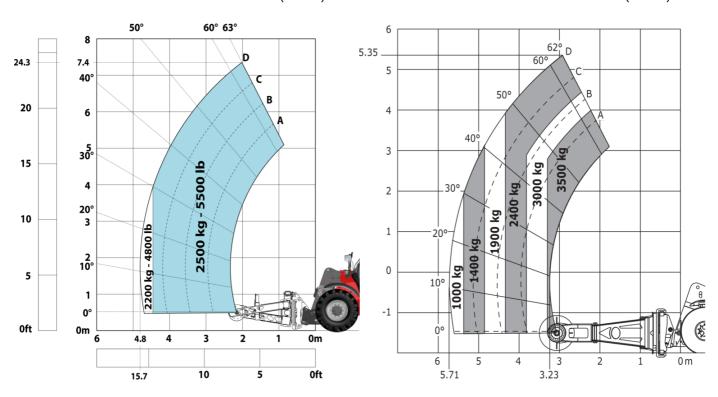




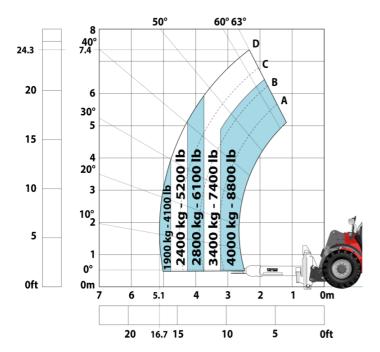


Machine on tires with tire handler TH 49 (Metric)

Machine on tires with tire handler TH 51 (Metric)



Machine on tires with cylinder handler CH 4 (Metric)



Mining Specifications

	MHT-X 790 Mining ST3A
Lifting function	
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	
Exhaust fume purification system	S
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
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 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

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 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