Technical sheet:

MHT-X 790 MINING ST3A

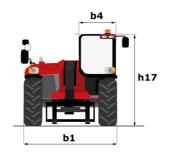


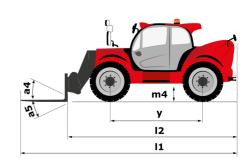


Capacities		Metric	
Max. capacity		9000 kg	
oad center of gravity	С	600 mm	
Max. lifting height		6.80 m	
Maximum outreach		3.70 m	
Weight and dimensions			
Jnladen weight (with forks)		13160 kg	
Ground clearance	m4	0.44 m	
Wheelbase	у	2.87 m	
ength to face of forks	12	5.21 m	
Overall width	b1	2.47 m	
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	
Forks length / width / section		200 mm x 200 mm x 60 mm	
Wheels	17070	X 200 X 00 !!!!!!	
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 who	el steer, 4 wheel steer, Crab mode	
Engine	2 Wile	er steer, 4 wheer steer, Grab mode	
Engine brand		Yanmar	
Engine orang			
Engine model		Stage IIIA 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		11.1	
Transmission type		Hydrostatic	
Number of gears (forward / reverse)		2/2	
Max. travel speed		35 km/h	
Parking brake		tomatic negative parking brake	
Service brake	Oil-immer	sed multi-discs braking on front & re axles	
Hydraulics		unico	
Hydraulic pump type		Variable displacement pump	
Hydraulic flow - Pressure		185 l/min - 270 bar	
Fank capacities		.30 (/ mm - 270 Dai	
Engine oil		13 l	
Fuel tank		165	
Voise and vibration		1001	
Noise to environment (LwA)		103 dB	
, ,			
/ibration on hands/arms		< 2.50 m/s ²	
Miscellaneous		FN 15000 Cabin DODO FORCI	
Safety / Cab certification Controls	Standard	EN 15000 - Cabin ROPS - FOPS level JSM	

MHT-X 790 Mining ST3A - Dimensional drawing

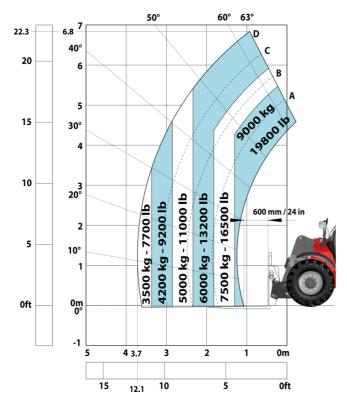




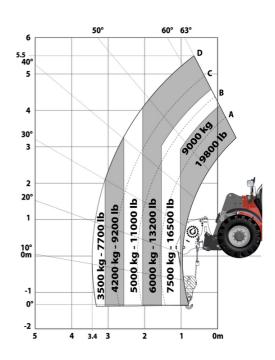


MHT-X 790 Mining ST3A - Load chart

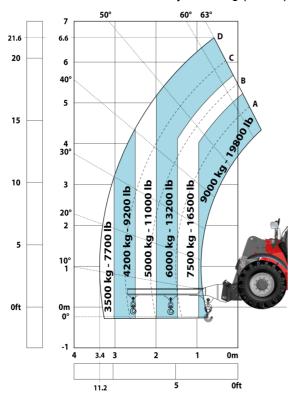
Machine on tires with forks LC 600 mm Metric



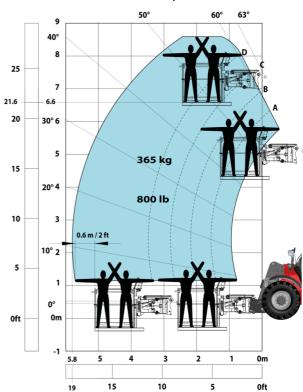
Machine on tires with winch 9000 kg (Metric)



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

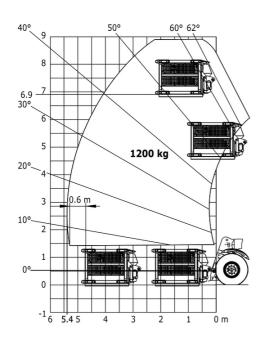


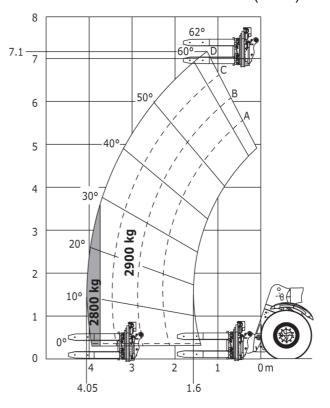
Machine on tires with platform Metric



Machine on tires with underground mining platform (Metric)

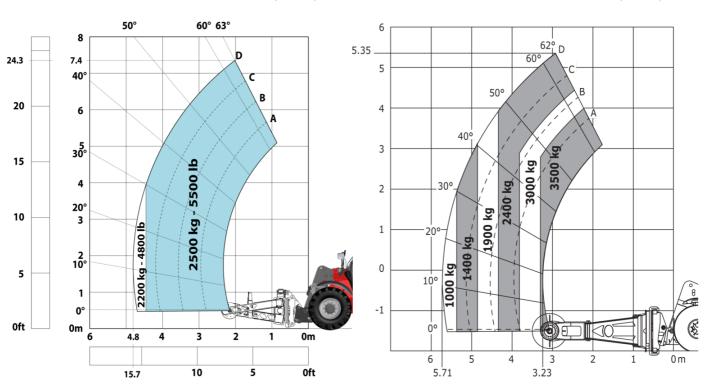
Machine on tires with tire handler TH 35 (Metric)



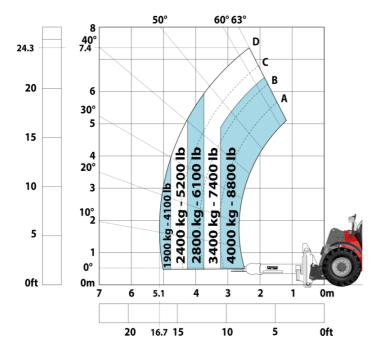


Machine on tires with tire handler TH 49 (Metric)

Machine on tires with tire handler TH 51 (Metric)



Machine on tires with cylinder handler CH 4 (Metric)



Mining Specifications

_ifting function
Clamp predisposition (controls from cabin)
Comfort Ride Control (CRC) boom suspension
, ,
Working platform predisposition with remote control
Lighting
Brake Lights ON When Park Brake ON
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)
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
Secondary functions
•
Automatic greasing system (AGS) - Chassis + boom
Fast fuel filling system
Security
"Guardian Angel" System Level 1
360° visibility safety system
Boom cylinder lock
Emergency steering
Emergency stop by safety valve
Emergency stop: 1 in cab, 2 on external
Engine compartment fire prevention kit
Extinguisher brackets (x3)
Fire suppression system
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 and lateral camera with cab screen
Rear bumper
Right side bumper
Steel Protection Guards on all working and road lights
System with attachments recognition (E-reco)
Wheel chocks

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





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