Technical sheet:

MHT 790 MINING ST5

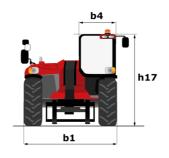


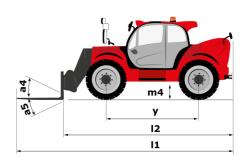


Capacities		Metric
Max. capacity		9000 kg
Load center of gravity	c	600 mm
Max. lifting height		6.80 m
Maximum outreach		3.70 m
Weight and dimensions		
Overall length	l1	6.41 m
Unladen weight (with forks)		13160 kg
Ground clearance	m4	0.44 m
Wheelbase	y	2.87 m
Length to face of forks	12	5.21 m
Overall width	b1	2.47 m
Overall height	h17	2.50 m
Overall cab width	b4	0.93 m
		0.93 III 12 °
Filt-up angle	a4	
Filt-down angle	a5	125 °
External turning radius (over tyres)	Wa1	4.89 m
Forks length / width / section	l/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
Orive wheels (front / rear)		2/2
Steering mode		2 wheel steer, 4 wheel steer, Crab mode
Engine		
Engine brand		Yanmar
Engine norm		Stage V, Tier 4
Engine model		4TN107HT-5SMUF
Number of cylinders / Capacity of cylinders		4 - 4567 cm³
Engine power (Hp / kW)		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		
Transmission type		Hydrostatic
Number of gears (forward / reverse)		2 / 2
Max. travel speed		35 km/h
Parking brake		Automatic negative parking brake
raikiliy biake		Oil-immersed multi-discs braking on front & re
Service brake		axles
Hydraulics		
Hydraulic pump type		Variable displacement pump
Hydraulic flow - Pressure		185 l/min - 270 bar
Tank capacities		
Engine oil		13
Fuel		165 I
Noise and vibration		1001
Noise to environment (LwA)		103 dB
voise to environment (LWA) Vibration on hands/arms		< 2.50 m/s ²
		< 2.50 M/S²
Miscellaneous		Ohandard FN 15000 O. L. DODO 5050
Safety / Cab certification		Standard EN 15000 - Cabin ROPS - FOPS level

MHT 790 Mining ST5 - Dimensional drawing

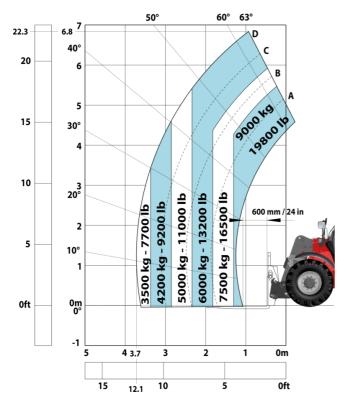




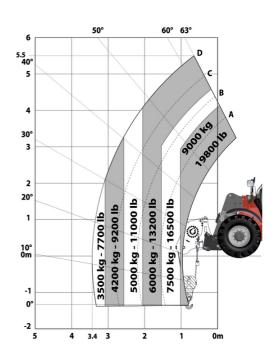


MHT 790 Mining ST5 - Load chart

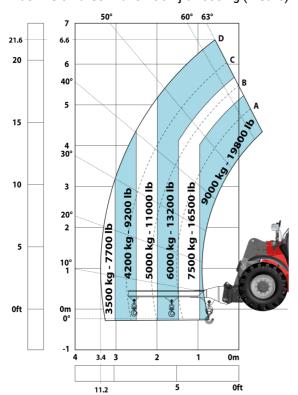
Machine on tires with forks LC 600 mm Metric



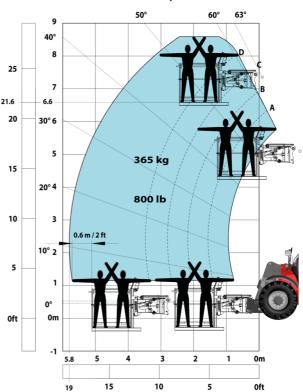
Machine on tires with winch 9000 kg (Metric)



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

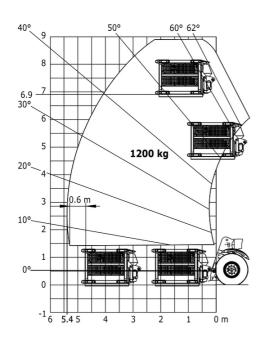


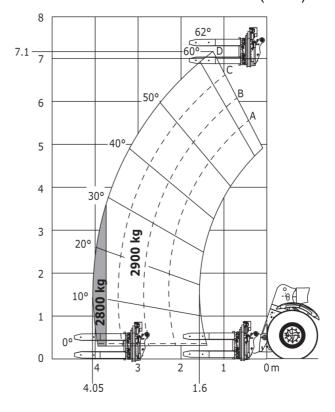
Machine on tires with platform Metric



Machine on tires with underground mining platform (Metric)

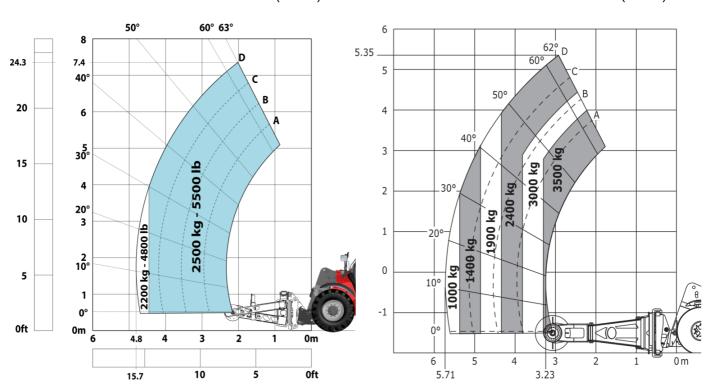
Machine on tires with tire handler TH 35 (Metric)



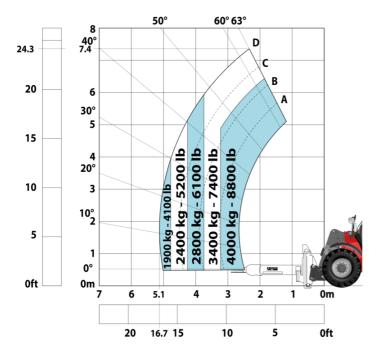


Machine on tires with tire handler TH 49 (Metric)

Machine on tires with tire handler TH 51 (Metric)



Machine on tires with cylinder handler CH 4 (Metric)



Mining Specifications

Lifting function	
Camera in boom head with screen in cab	
Clamp predisposition (controls from cabin)	
Comfort Ride Control (CRC) boom suspension	
Working platform predisposition with remote control	
ighting	
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	
Hydraulic hose sleeve burst protection	
Radiator safety cap	
Operator station	
Roof and Windshield Guard	
Other options	
Battery + Starter Isolators + Jump Start Receptacle	
Stainless steel tool box	
Pneumatics	
Steel mudguards	
Secondary functions	
Automatic greasing system (AGS) - Chassis + boom	
Fast fuel filling system	
Security	
Guardian Angel" System Level 1	
60° visibility safety system	
Boom cylinder lock	
mergency steering	
mergency 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 bumper	
Right side bumper	
5	
Steel Protection Guards on all working and road lights	
Steel Protection Guards on all working and road lights System with attachments recognition (E-reco)	

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 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 - 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

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





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