Technical sheet:

# MHT-X 790 MINING ST3A

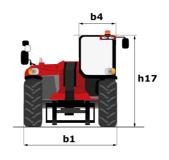


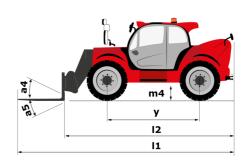


Capacities		Metric	
Max. capacity		9000 kg	
oad center of gravity	С	600 mm	
Max. lifting height		6.80 m	
Maximum outreach		3.70 m	
Weight and dimensions			
Jnladen weight (with forks)		13160 kg	
Ground clearance	m4	0.44 m	
Wheelbase	у	2.87 m	
ength to face of forks	12	5.21 m	
Overall width	b1	2.47 m	
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		0 mm x 200 mm x 60 mm	
Wheels	17070	A 200 IIIII	
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 wheels	steer, 4 wheel steer, Crab mode	
Engine	2 WHEET S	steer, 4 wheer steer, Glab inode	
Engine brand		Yanmar	
Engine orang		Stage IIIA	
Engine model		4TN107HT-5SMUF	
Number of cylinders / Capacity of cylinders		4 - 4567 cm <sup>3</sup>	
		143 Hp / 105 kW	
.C. Engine power rating / Power		143 пр / 103 кw 602 Nm@1500 rpm	
Max. torque / Engine rotation			
Engine cooling system		Water	
Battery voltage		12 V 10905 daN	
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		natic negative parking brake	
Service brake	Oil-immersed	I multi-discs braking on front & re axles	
Hydraulics		unico	
Hydraulic pump type	Var	iable displacement pump	
Hydraulic flow - Pressure	Tur	185 l/min - 270 bar	
Tank capacities			
Engine oil		13 l	
Fuel tank		165 l	
Voise and vibration		1001	
Noise to environment (LwA)		103 dB	
, ,			
/ibration on hands/arms		< 2.50 m/s <sup>2</sup>	
Miscellaneous	0. 1.150	15000 Cabin DODO 50001 1	
Safety / Cab certification Controls	Standard EN	15000 - Cabin ROPS - FOPS level JSM	

## MHT-X 790 Mining ST3A - Dimensional drawing

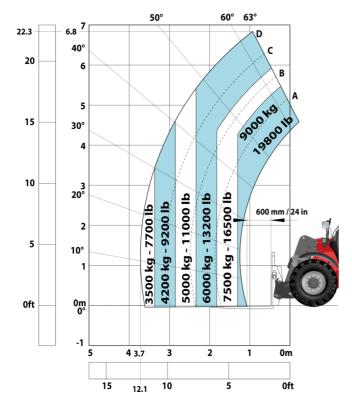




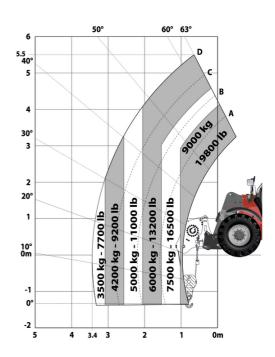


### MHT-X 790 Mining ST3A - Load chart

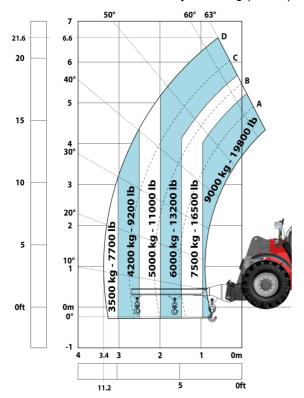
### Machine on tires with forks LC 600 mm Metric



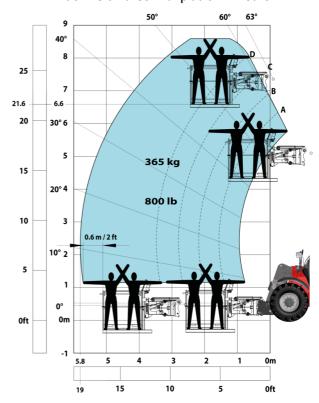
#### Machine on tires with winch 9000 kg (Metric)



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

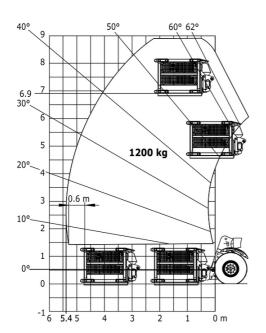


#### Machine on tires with platform Metric

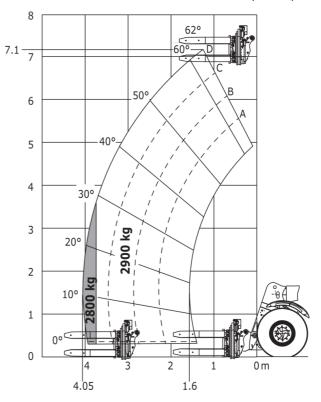


Machine on tires with underground mining platform (Metric)



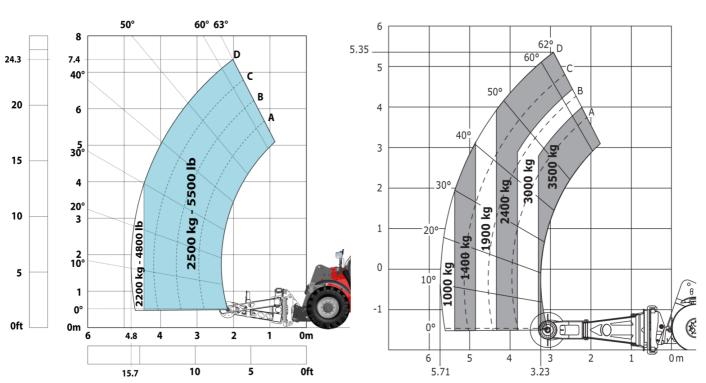


### Machine on tires with tire handler TH 35 (Metric)

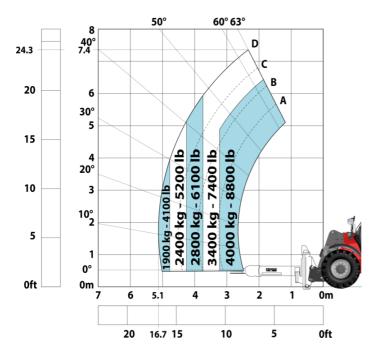


Machine on tires with tire handler TH 49 (Metric)





Machine on tires with cylinder handler CH 4 (Metric)



## **Mining Specifications**

Lifting 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
5
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 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

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

Hydraulic hose sleeve burst protection

Rear bumper

Right side bumper

Steel mudguards





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