Technical sheet:

# MHT-X 790 MINING ST3A

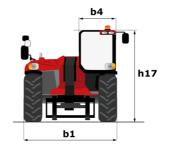


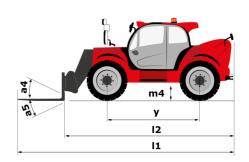


Capacities	Metric
Max. capacity	9000 kg
Load center of gravity	c 600 mm
Max. lifting height	6.80 m
Maximum outreach	3.70 m
Weight and dimensions	
Unladen weight (with forks)	13160 kg
Ground clearance	m4 0.44 m
Wheelbase	у 2.87 m
Length to face of forks	12 5.21 m
Overall width	b1 2.47 m
Overall height	h17 2.50 m
Overall cab width	b4 0.93 m
Tilt-up angle	
Tilt-down angle	
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 cm³
I.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	
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-immersed multi-discs braking on front & axles
Hydraulics	dxles
Hydraulics Hydraulic pump type	Variable displacement pump
Hydraulic flow - Pressure	185 l/min - 270 bar
Tank capacities	10.1
Engine oil	131
Fuel tank	165
Noise and vibration	
Noise to environment (LwA)	103 dB
Vibration on hands/arms	< 2.50 m/s²
Miscellaneous	
Safety / Cab certification	Standard EN 15000 - Cabin ROPS - FOPS lev
Controls	JSM

## MHT-X 790 Mining ST3A - Dimensional drawing

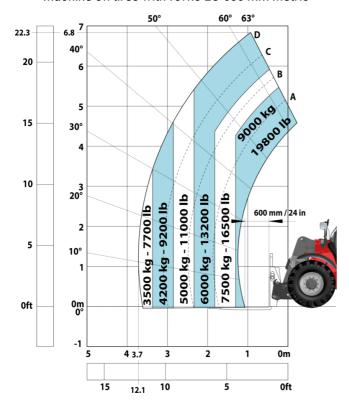




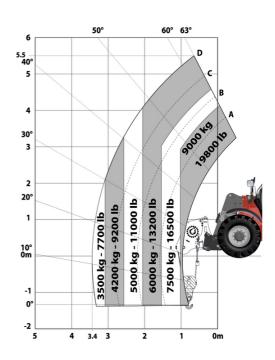


## MHT-X 790 Mining ST3A - Load chart

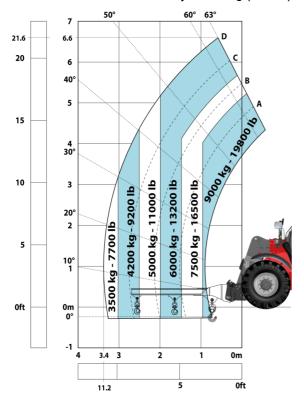
### Machine on tires with forks LC 600 mm Metric



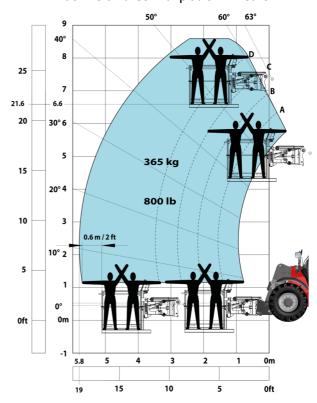
### Machine on tires with winch 9000 kg (Metric)



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

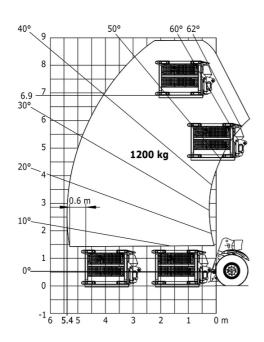


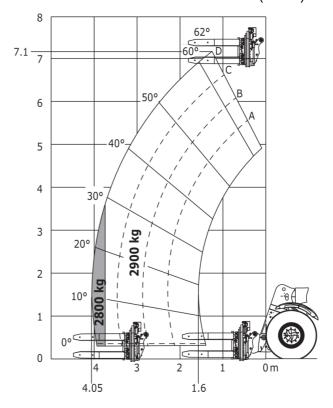
### Machine on tires with platform Metric



Machine on tires with underground mining platform (Metric)

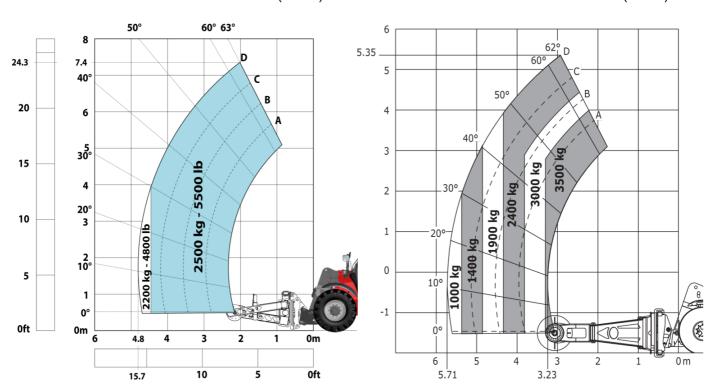
Machine on tires with tire handler TH 35 (Metric)



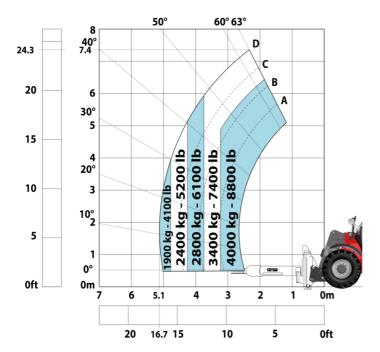


Machine on tires with tire handler TH 49 (Metric)

Machine on tires with tire handler TH 51 (Metric)



Machine on tires with cylinder handler CH 4 (Metric)



# **Mining Specifications**

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
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

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

Hydraulic hose sleeve burst protection

Rear bumpe

Right side bumper

Steel mudguards





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