Technical sheet:

# MHT 790 MINING ST5

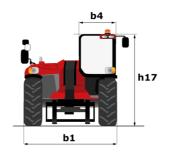


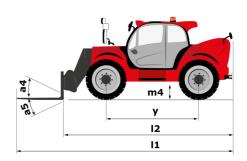


Capacities	Metric	
Max. capacity	9000 kg	
Load center of gravity	c 600 mm	
Max. lifting height	6.80 m	
Maximum outreach	3.70 m	
Weight and dimensions		
Overall length	l1 6.41 m	
Jnladen weight (with forks)	13160 kg	
Ground clearance	m4 0.44 m	
Wheelbase	y 2.87 m	
Length to face of forks	12 5.21 m	
Overall width	b1 2.47 m	
Overall height	h17 2.50 m	
Overall cab width	b4 0.93 m	
Filt-up angle	a4 12 °	
Tilt-down angle	a5 125 °	
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	
Orive wheels (front / rear)	2/2	
Steering mode	2 wheel steer, 4 wheel steer, Crab m	ode
Engine		
Engine brand	Yanmar	
Engine norm	Stage V, Tier 4	
Engine model	4TN107HT-5SMUF	
Number of cylinders / Capacity of cylinders	4 - 4567 cm³	
.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	10000 duli	
Fransmission type	Hydrostatic	
Number of gears (forward / reverse)	2/2	
	2 / 2 35 km/h	
Max. travel speed		
Parking brake	Automatic negative parking brake	
Service brake	Oil-immersed multi-discs braking on froi axles	it & rea
Hydraulics		
Hydraulic pump type	Variable displacement pump	
Hydraulic flow - Pressure	185 l/min - 270 bar	
Tank capacities	100 y min 270 but	
Engine oil	13	
Fuel tank		
	165 l	
Noise and vibration	400 ID	
Noise to environment (LwA)	103 dB	
Vibration on hands/arms	< 2.50 m/s²	
Miscellaneous		
Safety / Cab certification	Standard EN 15000 - Cabin ROPS - FOPS	level 2

# MHT 790 Mining ST5 - Dimensional drawing

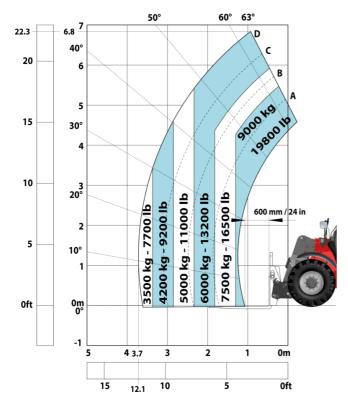




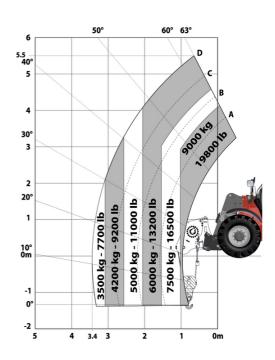


#### MHT 790 Mining ST5 - Load chart

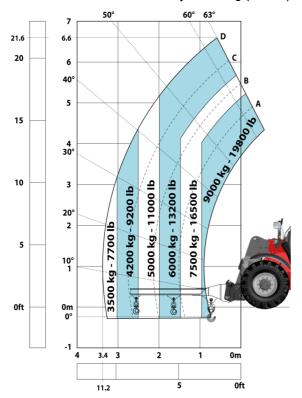
#### Machine on tires with forks LC 600 mm Metric



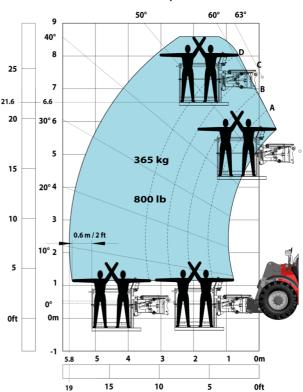
#### Machine on tires with winch 9000 kg (Metric)



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

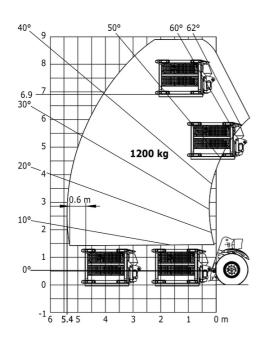


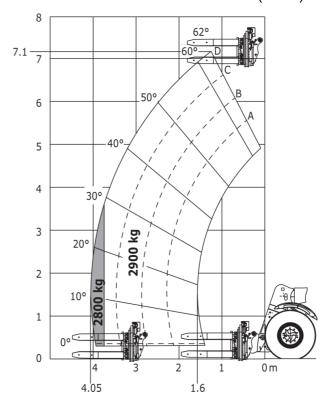
#### Machine on tires with platform Metric



Machine on tires with underground mining platform (Metric)

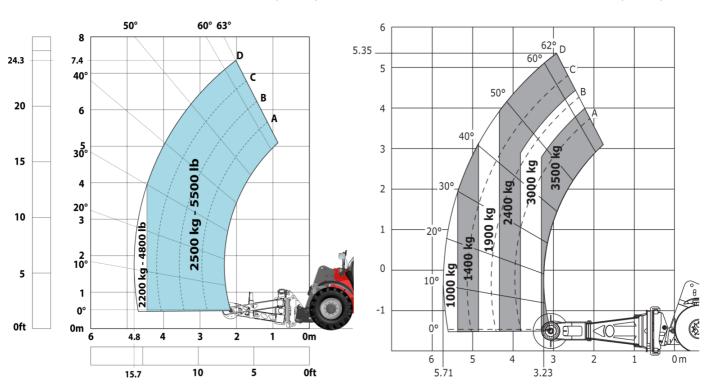
Machine on tires with tire handler TH 35 (Metric)



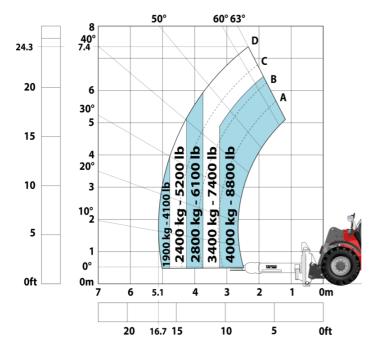


Machine on tires with tire handler TH 49 (Metric)

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	
lamp predisposition (controls from cabin)	
omfort Ride Control (CRC) boom suspension	
orking platform predisposition with remote control	
ghting	
ake Lights ON When Park Brake ON	
lat Led Rotating Beacon	
ED Flashing Lights On Cabin (Marker Lights)	
ED tramming lights	
ED work lights - On the top of the boom (fixed part) (x2)	
ED working lights on cab (x4 : 2 front + 2 rear)	
otorization/Power	
ydraulic hose sleeve burst protection	
diator safety cap	
perator station	
perator station	
ther options	
attery + Starter Isolators + Jump Start Receptacle	
tainless steel tool box	
neumatics	
teel mudguards	
Secondary functions	
•	
utomatic greasing system (AGS) - Chassis + boom ast fuel filling system	
ecurity	
uardian Angel" System Level 1	
60° visibility safety system	
oom cylinder lock	
mergency steering	
mergency stop by safety valve	
mergency stop: 1 in cab, 2 on external	
gine compartment fire prevention kit	
xtinguisher brackets (x3)	
ire suppression system	
use board protection - MHT's	
ligh visibility reflective strips	
oose wheel nut indicators	
Marking - Warning & Danger decals	
fining protection grids: right, left and back windows	
legative brakes on front & rear axles	
Rear bumper	
Right side bumper	
teel Protection Guards on all working and road lights	
ystem with attachments recognition (E-reco)	
heel chocks	

## **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





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