Technical sheet:

MHT 790 MINING ST5

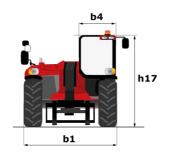


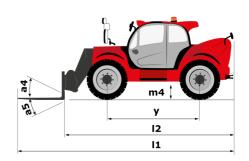


Capacities	Metric
Max. capacity	9000 kg
Load center of gravity	c 600 mm
Max. lifting height	6.80 m
Maximum outreach	3.70 m
Weight and dimensions	
Overall length	l1 6.41 m
Jnladen weight (with forks)	13160 kg
Ground clearance	m4 0.44 m
Wheelbase	y 2.87 m
ength to face of forks	12 5.21 m
Overall width	b1 2.47 m
Overall height	h17 2.50 m
Overall cab width	b4 0.93 m
	a4 12°
Filt-up angle	
Tilt-down angle	
External turning radius (over tyres)	Wa1 4.89 m
Forks length / width / section	l / e / s
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
.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
•	Oil-immersed multi-discs braking on front & n
Service brake	axles
Hydraulics	
Hydraulic pump type	Variable displacement pump
Hydraulic flow - Pressure	185 I/min - 270 bar
Tank capacities	
Engine oil	131
Fuel tank	165 I
Noise and vibration	
Noise to environment (LwA)	103 dB
Vibration on hands/arms	< 2.50 m/s ²
Miscellaneous	× 2.30 III/\$*
	01-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-
Safety / Cab certification Controls	Standard EN 15000 - Cabin ROPS - FOPS level JSM

MHT 790 Mining ST5 - Dimensional drawing

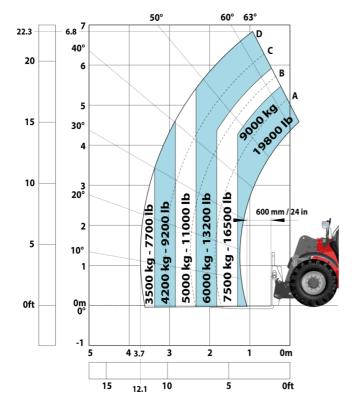




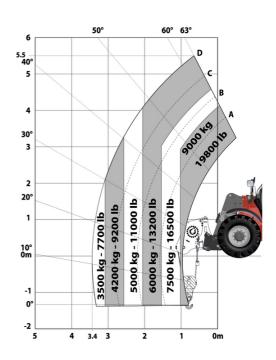


MHT 790 Mining ST5 - Load chart

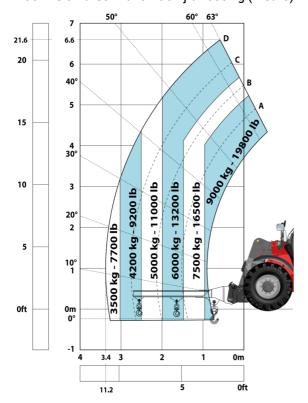
Machine on tires with forks LC 600 mm Metric



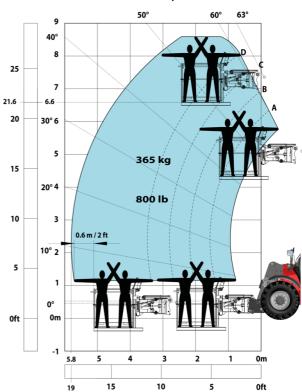
Machine on tires with winch 9000 kg (Metric)



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

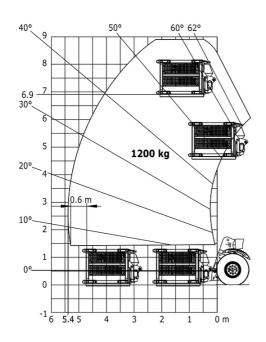


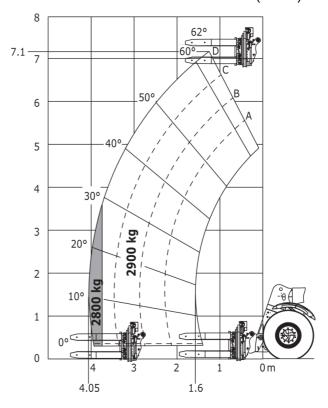
Machine on tires with platform Metric



Machine on tires with underground mining platform (Metric)

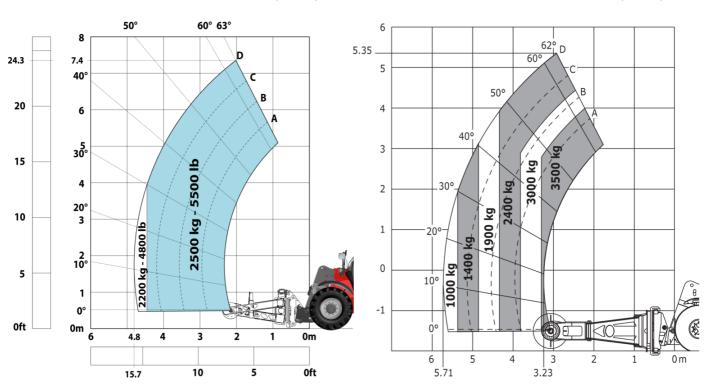
Machine on tires with tire handler TH 35 (Metric)



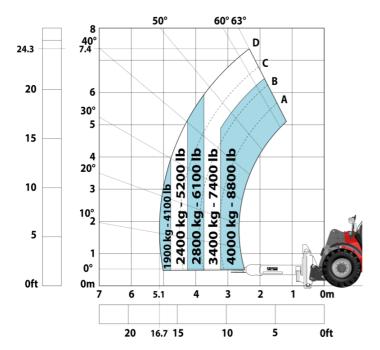


Machine on tires with tire handler TH 49 (Metric)

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	
Vorking platform predisposition with remote control	
ighting	
rake 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	
ladiator safety cap	
Operator station	
oof and Windshield Guard	
Other options	
attery + Starter Isolators + Jump Start Receptacle	
stainless steel tool box	
neumatics	
teel mudguards	
econdary functions	
utomatic greasing system (AGS) - Chassis + boom	
ast fuel filling system	
ecurity	
uardian Angel" System Level 1	
0° visibility safety system	
om cylinder lock	
mergency steering	
nergency stop by safety valve	
nergency stop: 1 in cab, 2 on external	
ngine 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	
ear bumper	
ight side bumper	
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

Radiator safety cap Roof and Windshield Guard Stainless steel tool box

Wheel chocks

Steel Protection Guards on all working and road lights System with attachments recognition (E-reco)

Working platform predisposition with remote control

"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

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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