

Technical sheet :

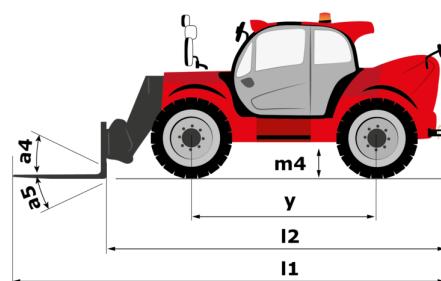
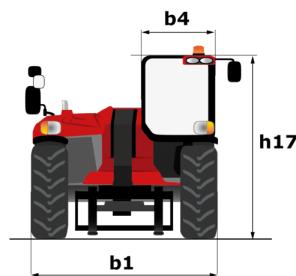
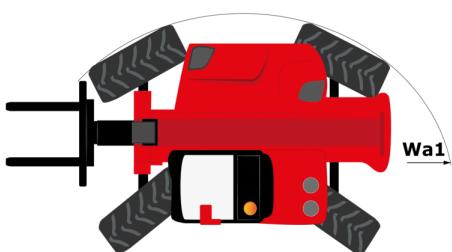
# **MHT 790 MINING ST5**



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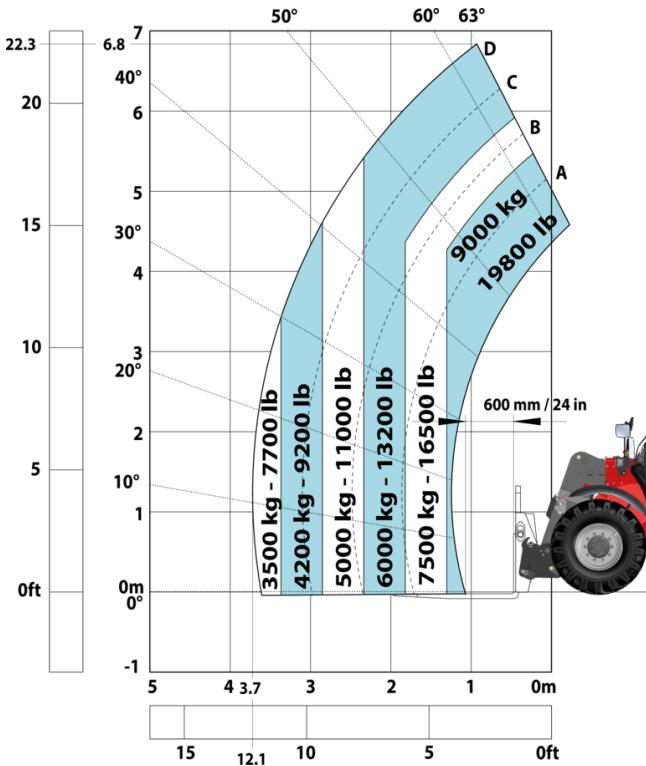
Capacities		Metric
Max. capacity		9000 kg
Load center of gravity	c	600 mm
Max. lifting height		6.80 m
Maximum outreach		3.70 m
Weight and dimensions		
Overall length	l1	6.41 m
Unladen weight (with forks)		13160 kg
Ground clearance	m4	0.44 m
Wheelbase	y	2.87 m
Length to face of forks	l2	5.21 m
Overall width	b1	2.47 m
Overall height	h17	2.50 m
Overall cab width	b4	0.93 m
Tilt-up angle	a4	12 °
Tilt-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
Drive 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 cm <sup>3</sup>
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
Service brake		Oil-immersed multi-discs braking on front & rear axles
Hydraulics		
Hydraulic pump type		Variable displacement pump
Hydraulic flow - Pressure		185 l/min - 270 bar
Tank capacities		
Engine oil		13 l
Hydraulic oil		151 l
Fuel		165 l
Noise and vibration		
Noise to environment (LwA)		103 dB
Vibration on hands/arms		< 2.50 m/s <sup>2</sup>
Miscellaneous		
Safety / Cab certification		Standard EN 15000 - Cabin ROPS - FOPS level 2
Controls		JSM

## MHT 790 Mining ST5 - Dimensional drawing

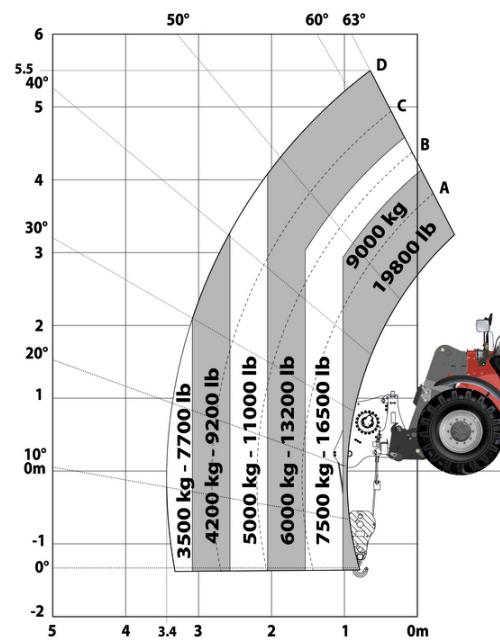


## MHT 790 Mining ST5 - Load chart

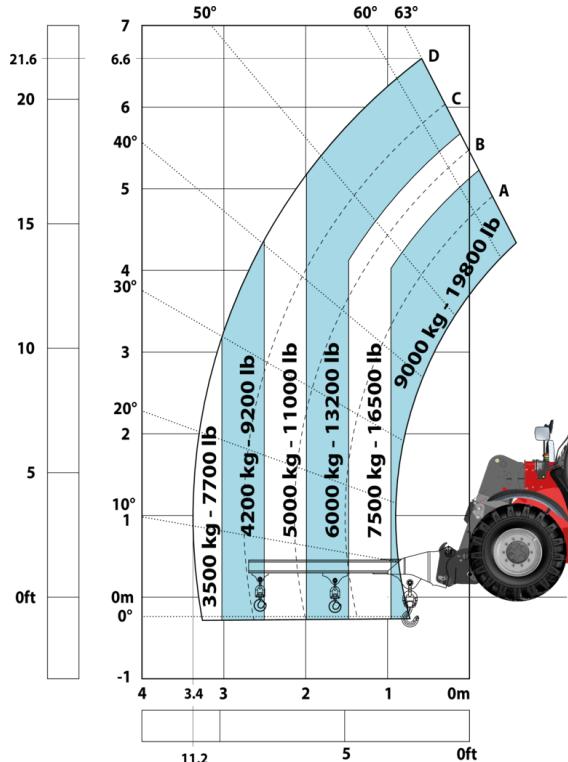
Machine on tires with forks LC 600 mm Metric



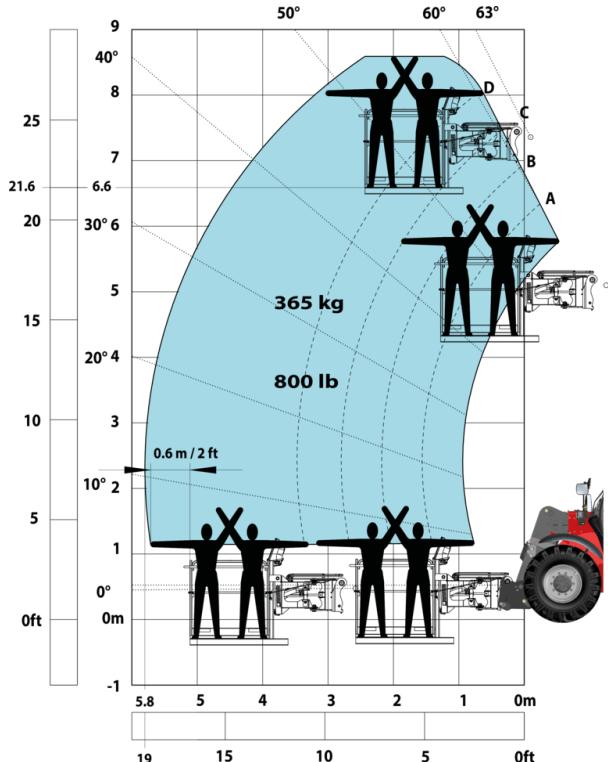
Machine on tires with winch 9000 kg (Metric)



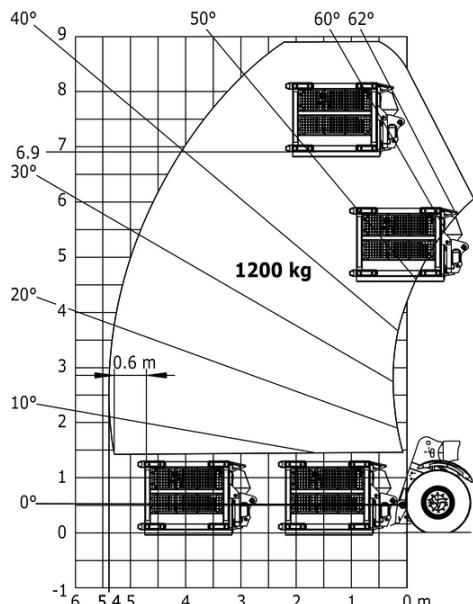
Machine on tires with 3-hook jib 9000 kg (Metric)



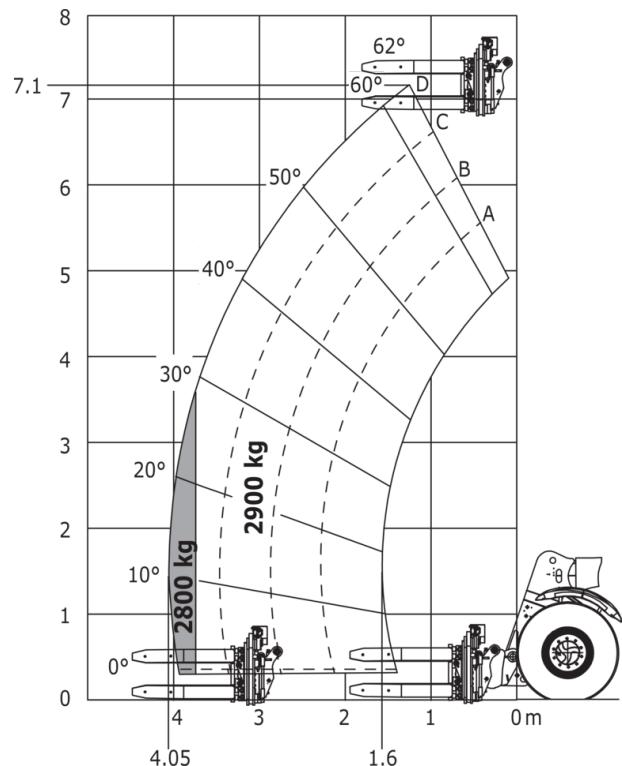
Machine on tires with platform Metric



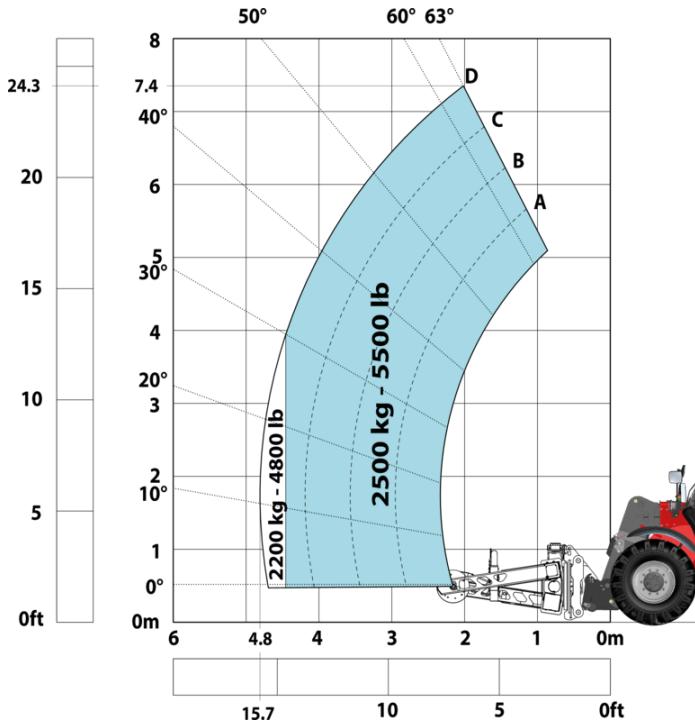
### Machine on tires with underground mining platform (Metric)



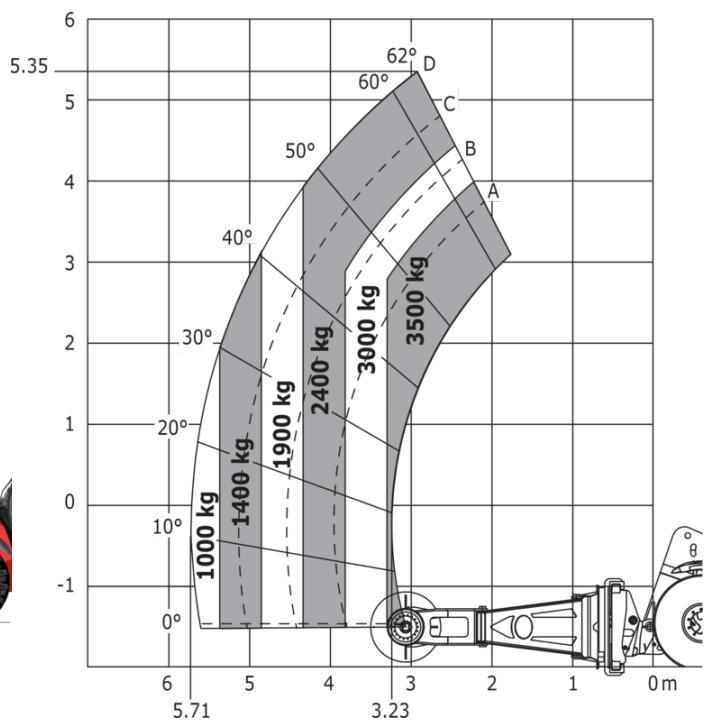
### Machine on tires with tire handler TH 35 (Metric)



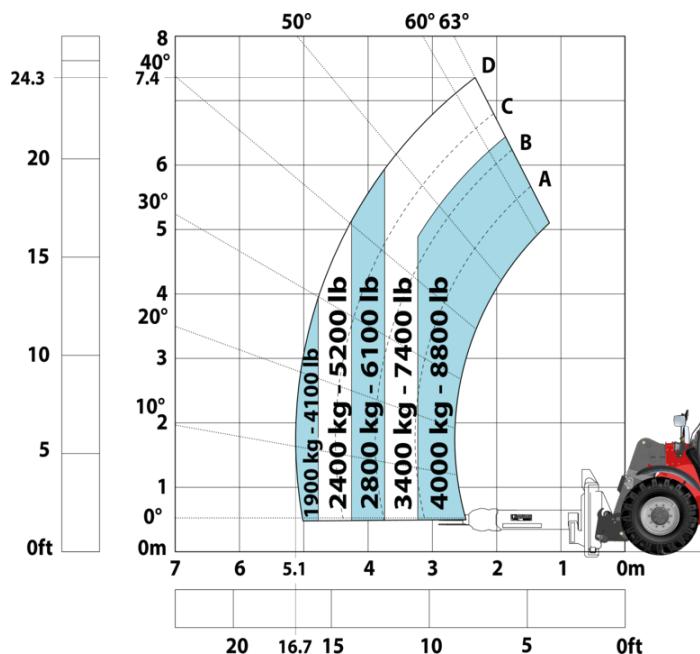
## Machine on tires with tire handler TH 49 (Metric)



## Machine on tires with tire handler TH 51 (Metric)



## Machine on tires with cylinder handler CH 4 (Metric)



# Mining Specifications

	MHT 790 Mining ST5
<b>Lifting function</b>	
Camera in boom head with screen in cab	0
Clamp predisposition (controls from cabin)	S
Comfort Ride Control (CRC) boom suspension	0
Working platform predisposition with remote control	S
<b>Lighting</b>	
Brake Lights ON When Park Brake ON	S
Flat Led Rotating Beacon	S
LED Flashing Lights On Cabin (Marker Lights)	S
LED trammimg lights	S
LED work lights - On the top of the boom (fixed part) (x2)	S
LED working lights on cab (x4 : 2 front + 2 rear)	S
<b>Motorization/Power</b>	
Hydraulic hose sleeve burst protection	0
Metal cyclonic prefilter	S
Radiator safety cap	S
<b>Operator station</b>	
Roof and Windshield Guard	S
<b>Other options</b>	
Battery + Starter Isolators + Jump Start Receptacle	S
Stainless steel tool box	S
<b>Pneumatics</b>	
Steel mudguards	0
<b>Secondary functions</b>	
Automatic greasing system (AGS) - Chassis + boom	0
Fast fuel filling system	0
<b>Security</b>	
"Guardian Angel" System Level 1	S
360° visibility safety system	S
Boom cylinder lock	S
Emergency steering	S
Emergency stop by safety valve	0
Emergency stop: 1 in cab, 2 on external	S
Engine compartment fire prevention kit	0
Extinguisher brackets (x3)	S
Fire suppression system	0
Fuse board protection - MHT's	S
High visibility reflective strips	S
Loose wheel nut indicators	S
Marking - Warning & Danger decals	S
Mining protection grids: right, left and back windows	S
Negative brakes on front & rear axles	S
Rear bumper	0
Right side bumper	0
Steel Protection Guards on all working and road lights	S
System with attachments recognition (E-reco)	S
Wheel chocks	S

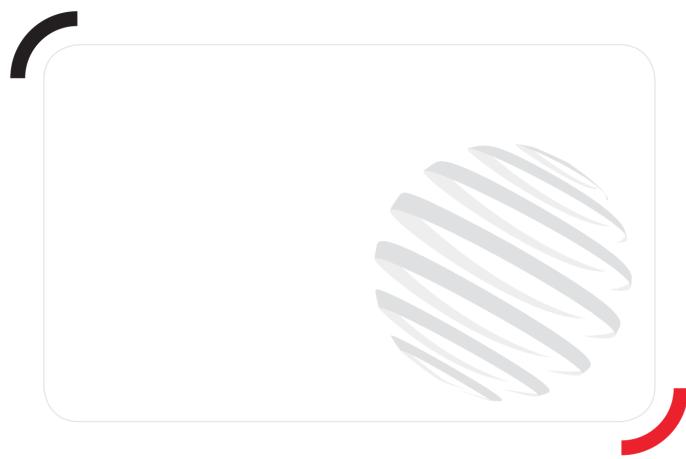
# Equipment

## 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
- Extinguisher brackets (x3)
- Flat Led Rotating Beacon
- Fuse board protection - MHT's
- High visibility reflective strips
- LED Flashing Lights On Cabin (Marker Lights)
- LED trarming 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 - Waming & Danger decals
- Metal cyclonic prefilter
- 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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