Technical sheet:

MHT 790 MINING ST5

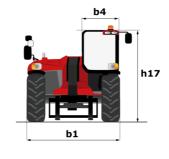


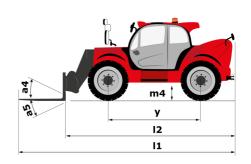


Capacities	Imperial	
Max. capacity	19842 lb	
Load center of gravity	c 24 in	
Max. lifting height	22 ft 4 in	
Maximum outreach	12 ft 2 in	
Weight and dimensions		
Overall length	l1 21 ft	
Unladen weight (with forks)	29013 lb	
Ground clearance	m4 1 ft 5 in	
Wheelbase	y 9 ft 5 in	
Length to face of forks	I2 17 ft 1 in	
Overall width	b1 8 ft 1 in	
	h17 8 ft 2 in	
Overall height		
Overall cab width	b4 3 ft 1 in	
Tilt-up angle	a4 12 °	
Tilt-down angle	a5 125 °	
External turning radius (over tyres)	Wa1 16 ft 1 in	
Forks length / width / section	I / e / s 47 in x 8 in x 2 in	
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, Cra	b mode
Engine		
Engine brand	Yanmar	
Engine norm	Stage V, Tier 4	
Engine model	4TN107HT-5SMUF	
Number of cylinders / Capacity of cylinders	4 - 279 in³	
Engine power (Hp / kW)	143 Hp / 105 kW	
Max. torque / Engine rotation	444 ft/lbs@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	22 mph	
Parking brake	Automatic negative parking bi	rake
Service brake	Oil-immersed multi-discs braking on axles	
Hydraulics		
Hydraulic pump type	Variable displacement pum	ıp
Hydraulic flow - Pressure	49 US gpm - 3916 PSI	
Tank capacities		
Engine oil	3 US gal	
Hydraulic oil	40 US gal	
Fuel	44 US gal	
Noise and vibration		
Noise to environment (LwA)	103 dB	
Vibration on hands/arms	< 8 ft/s²	
Miscellaneous	V 0 1 1 3	
Safety / Cab certification	Standard EN 15000 - Cabin ROPS - F(OPS level
Controls	JSM	JI S IEVEL A

MHT 790 Mining ST5 - Dimensional drawing

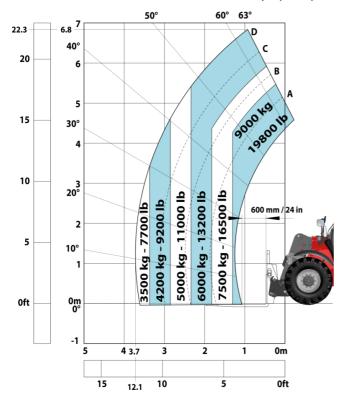




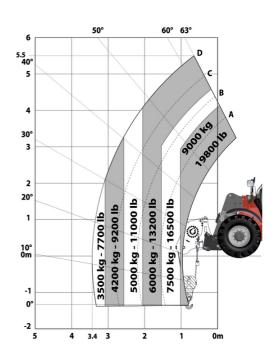


MHT 790 Mining ST5 - Load chart

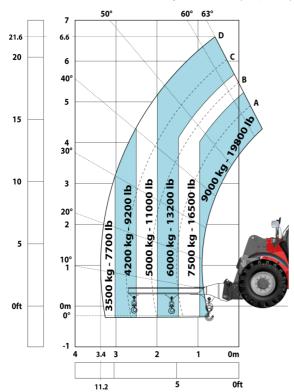
Machine on tires with forks LC 600 mm (Imperial)



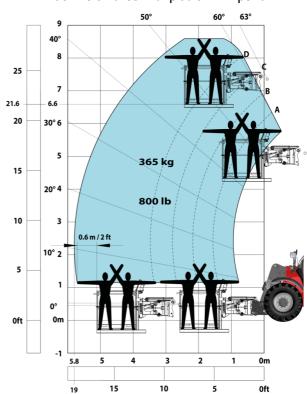
Machine on tires with winch 9000 kg (Imperial)



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

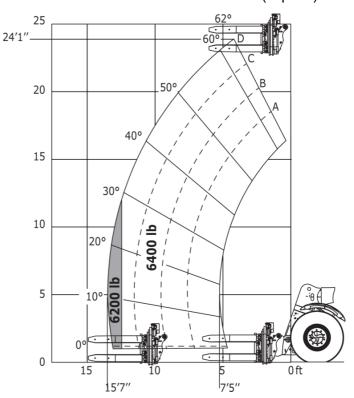


Machine on tires with platform Imperial



Machine on tires with underground mining platform (Imperial)

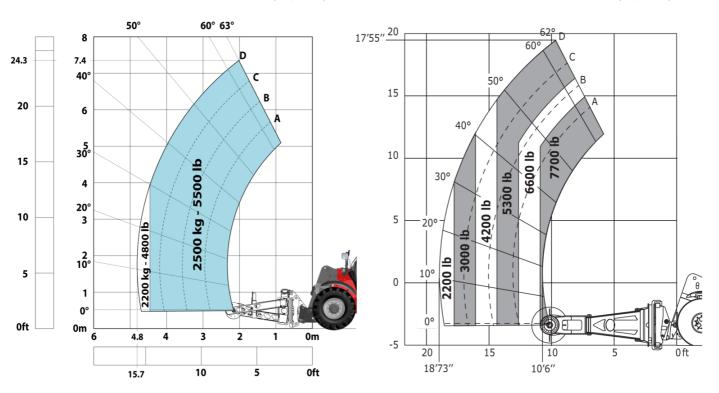
25 22.6 30° 20 15 2600 lb Machine on tires with tire handler TH 35 (Imperial)



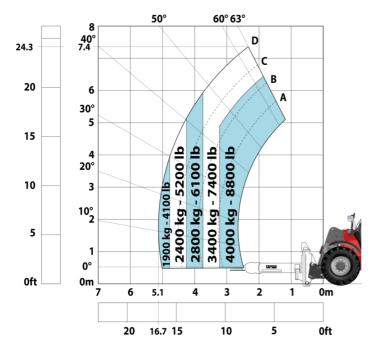
Machine on tires with tire handler TH 49 (Imperial)

17.7

Machine on tires with tire handler TH 51 (Imperial)



Machine on tires with cylinder handler CH 4 (Imperial)



Mining Specifications

	MHT 790 Mining ST5
Lifting function	
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
Lighting	
Brake Lights ON When Park Brake ON	S
Flat Led Rotating Beacon	S
LED Flashing Lights On Cabin (Marker Lights)	S
LED tramming 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
Motorization/Power	
Hydraulic hose sleeve burst protection	0
Radiator safety cap	S
Operator station	
Roof and Windshield Guard	S
Other options	
Battery + Starter Isolators + Jump Start Receptacle	S
Stainless steel tool box	S
Pneumatics	
Steel mudguards	0
Secondary functions	
Automatic greasing system (AGS) - Chassis + boom	0
Fast fuel filling system	0
Security	,
"Guardian Angel" System Level 1	S
360° visibility safety system	S
Boom cylinder lock	S
Emergency steering	S
Emergency steeling 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
·	0
Right side bumper	S S
Steel Protection Guards on all working and road lights	-
System with attachments recognition (E-reco)	S
Wheel chocks	S

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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