

MANISCOPIC

MHT 10120 L

Turbo

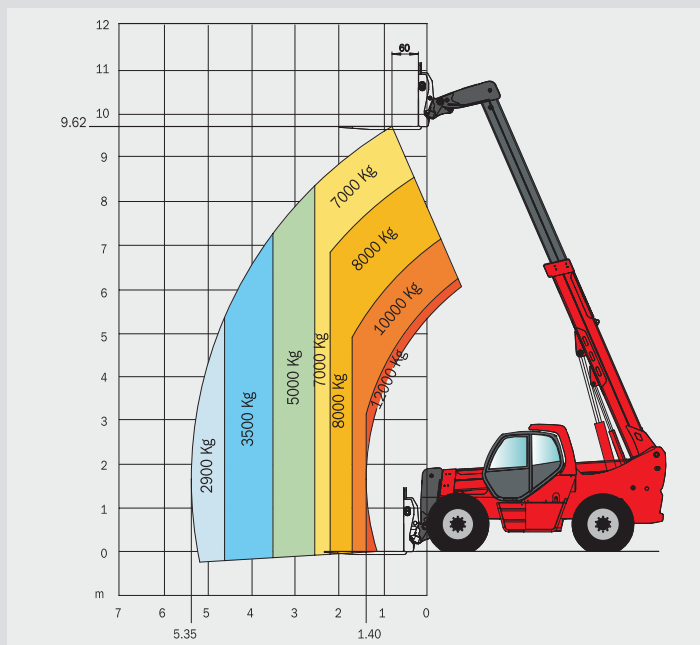


- Capacity : 12000 kg
- Lift height : 9.62 m
- Engine : 175 HP
- 4 wheel steer – 4 wheel drive
- Hydrostatic transmission
- Frame levelling 10°/10°

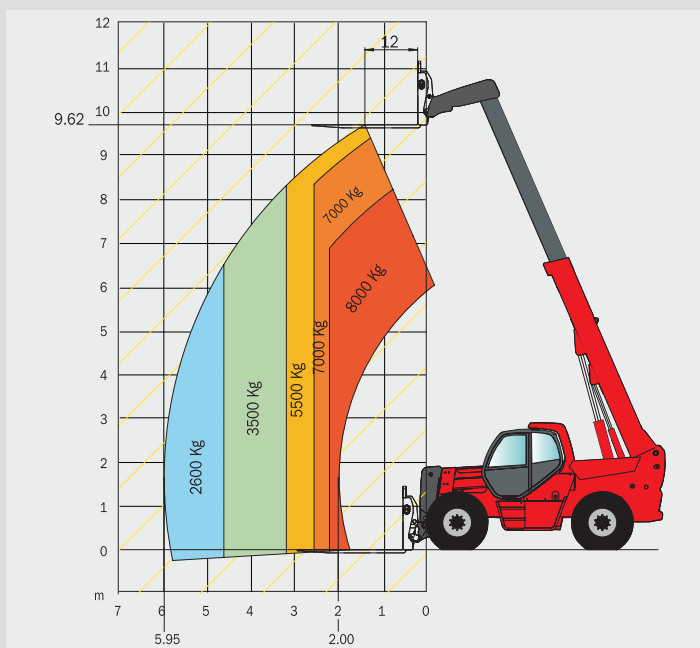
 **MANITOU**

MHT 10120 L TURBO

LOAD CENTRE AT 600 MM



LOAD CENTRE AT 1200 MM



ENGINE

Diesel MERCEDES OM 904 LA Turbo – Intercooler – Air / Air

Capacity : 4 cylinders / 4250 cm3
 Power (ISO/TR 14396) : 175 HP / 129 kw
 Rated speed : 2200 r.p.m.
 Maximum torque at 1200 r.p.m. : 675 Nm

Electronic injection (4 injection pumps and 4 injectors)

Fan : puller
 Cooling : water

Water radiator, with double-speed hydraulic fan (2000 to 3000 r.p.m.)

Anti-polluting standards : EUR2
 Air filter (type / micron) : cartridge / 3
 Battery : 12 Volts
 Capacity : 120 Ah

LIFT CAPACITY / HEIGHT

Load centre	at 600 mm	at 1200 mm
Lift capacity :	12000 kg	8000 kg
Capacity at max. height	7000 kg	5500 kg
Capacity at max. front reach :	2900 kg	2600 kg
Lift height :	9.62 m	9.62 m
Maximum front reach :	5.35 m	5.95 m

TRANSMISSION

Hydrostatic transmission **REXROTH**

Hydrostatic variable flow pump : 71 cm³
 Hydrostatic variable cylinder engine : 140 cm³
 Reversing shift : electro-magnetic
 Differential central : NO

2 forward and reverse speeds :

Low speed : 10 km/h
 Fast speed : 25 km/h

HYDRAULICS

Main pump : Piston Load Sensing Haute pression

Capacity : 75 cm³
 Maximum pressure : 350 bar
 Flow : 165 L/mn
 Max. flow on attachment (at 350 bar) : 140 L/mn

Steering pump

Type : Load sensing
 Maximum pressure : 180 bar

Power brake circuit pump

Type : **REXROTH**
 Capacity : 18.7 cm³
 Maximum pressure : 40 bar
 Flow : 41 L/mn

Hydraulic oil radiator

2 continuous fans
 2 automatic fans

Distributor : Big flow hydraulic proportional REXROTH (280 to 300 L/mn) with 4 closed centre elements

Drive Type :

Proportional hydraulic joystick with 3 movement combination

- 1- Lifting / Crowding
- 2- Boom extension / Attachment
- 3- Lifting / Boom extension

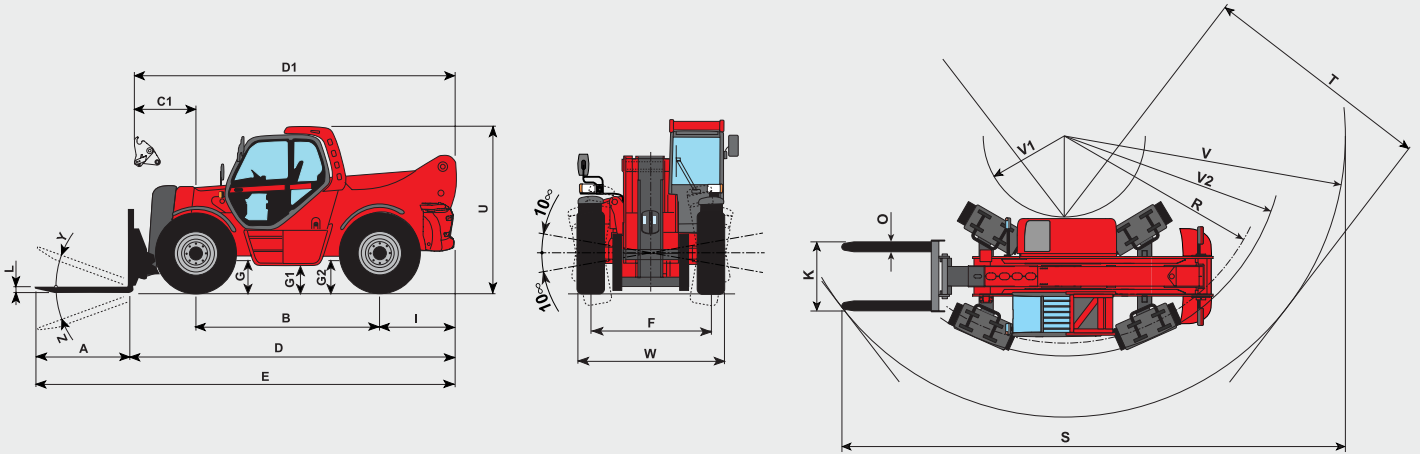
Flexibles

TP tube type with high pressure type flexible links

Filtration degree (micron) :

Suction : 250 mic
 Return : 10 mic
 Filtration air tank : 10 mic

DIAGRAMS



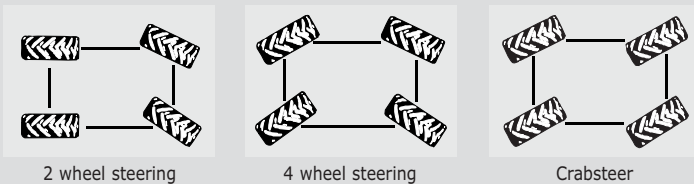
A	B	C	D	E	F	G	G1	G2	I	K	L	M	O	R	S	T	U	V	V1	V2	W	Y	Z
1800	3300	1115	5950	7750	1956	550	445	550	1425	1430	70	2300	200	4233	9205	4615	2900	5868	1690	4528	2400	20°	115°

AXLES

HURTH "Heavy Duty", oil bath with epicycloidal reduction with 4 satellites Integrated steering cylinders with double action in high position

Frame levelling 10°/10° on front axle

3 steering modes:



BRAKES

Type : oil bath multidisc
 Drive type : hydraulic
 On axle : front + rear

Parking brake on front and rear axles :
 Oil bath multidisc negative parking brake

TYRES

Model : 17.5 - 25
 Pressure : 7 bar
 Drawbar pull : 11300 daN

LIFTING/TELESCOPING MOTIONS

Unladen lifting : 13 sec
 Unladen lowering : 9 sec

Unladen extending internal telescope : 14.5 sec
 Unladen retracting internal telescope : 9 sec

FORKS

Standard equipment TFF 10750
 Dimensions : 200 x 80 x 1500 mm
 Weight of forks : 560 kg

CAPACITIES

Cooling circuit : 16 L
 Engine oil : 8.1 L
 Equipment hydraulic oil : 290 L
 Fuel tank : 200 L

WEIGHT

Total weight without equipment : 15900 kg
 Total weight unladen with forks : 17000 kg
 Total weight laden with forks : 29000 kg

Load on axle with standard equipment (unladen)

On front axle, boom retracted : 6350 kg
 On rear axle, boom retracted : 10650 kg

Load on axle with standard equipment (laden)

On front axle, boom retracted : 25000 kg
 On rear axle, boom retracted : 4000 kg

STANDARD EQUIPMENTS

- ROPS-FOPS cabin
- GRAMMER seat
- Front and rear wipers
- Driving lights
- Rotating beacon
- Left rearview mirror
- Safety device with automatic lock of aggravating movements
- Safety valves on cylinders
- Heating

OPTIONS

- Air conditioning
- Comfort seat
- Roof wipers
- Cabin rearview mirror



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The equipment supplied with each model may differ from that described in this leaflet. For more details, contact your MANITOU dealer.

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