



MANISCOPIC

MHT 10120 L

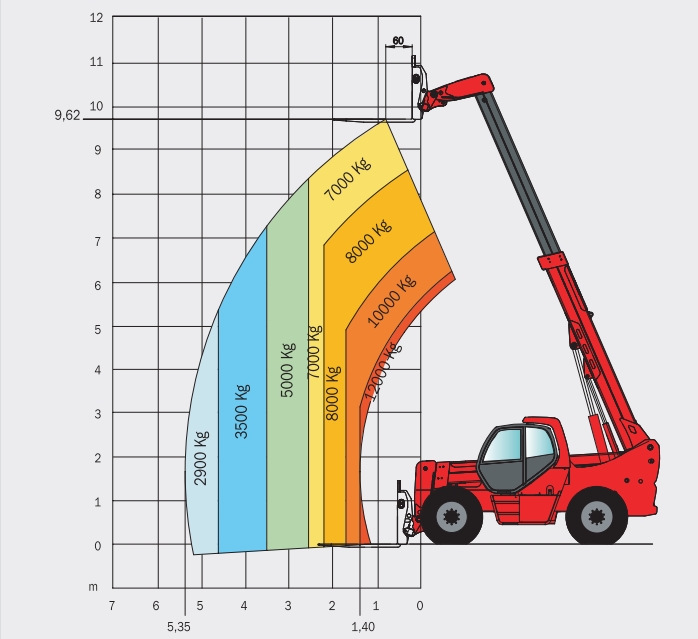
- Capacity : 12000 kg
- Lift height : 9,62 m
- Engine : 177 HP
- 4 wheel steer – 4 wheel drive
- Hydrostatic transmission
- Frame levelling 10°/10°



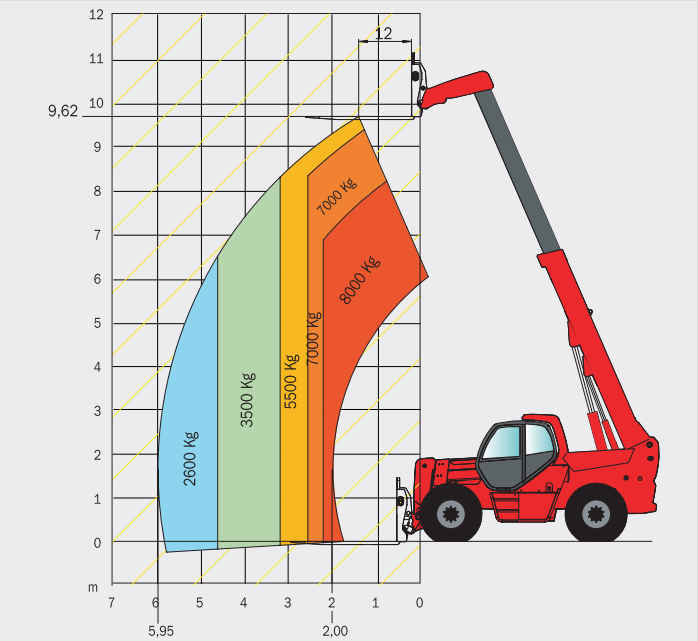


MHT 10120 L TURBO

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) : 177 HP / 130 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

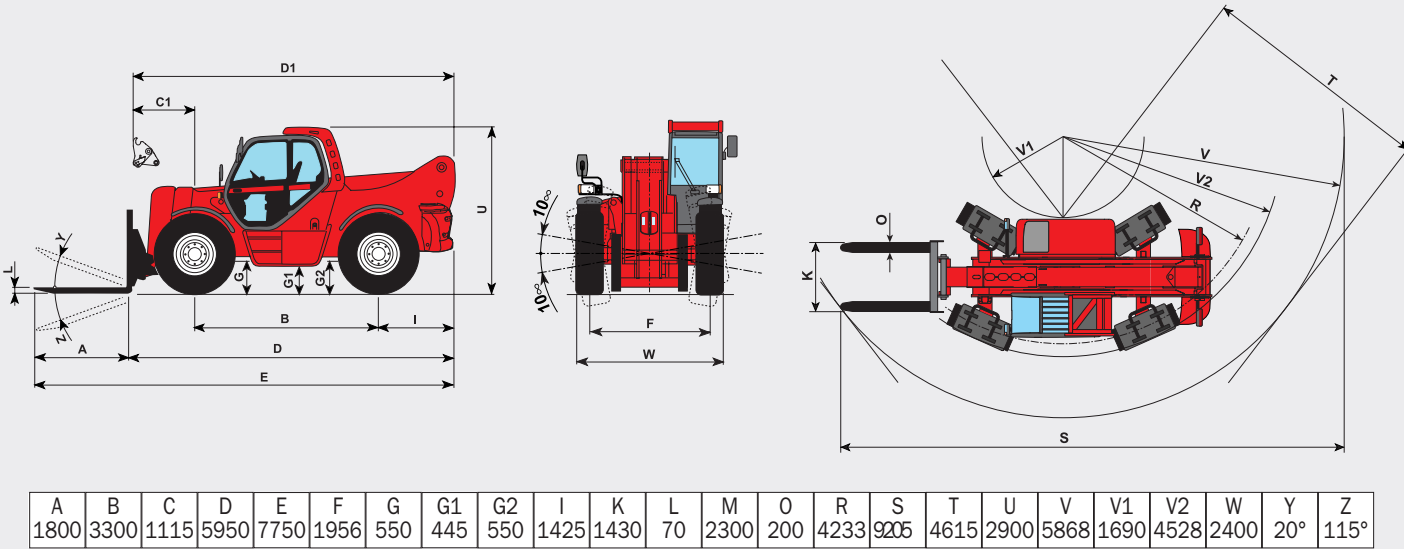
TP tube type with high pressure type flexible links

Filtration degree (micron) :

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



DIAGRAMS

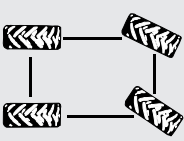


AXLES

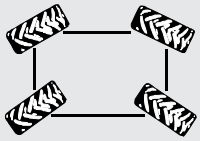
HURTH “Heavy Duty”, oil bath with epicycloidal reduction with 4 satellites Integrated steering cylinders with double action in high position

Frame levelling 10°/10° on front axle

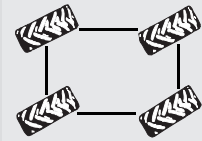
3 steering modes:



2 wheel steering



4 wheel steering



Crabsteer

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

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

CAPACITIES

Cooling circuit : 16 L
Engine oil : 8,1 L
Equipment hydraulic oil : 290 L
Fuel tank : 200 L

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 movments
- Safety valves on cylinders
- Heating

OPTIONS

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

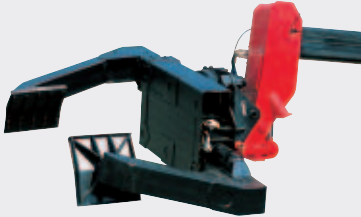
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OPTIONAL ATTACHMENTS



Tyre handler



Bucket



Cylinder carriage

EQUIPMENTS CUSTOMIZED TO ORDER

This publication in no way constitutes an offer and the company reserves the right to alter specification without prior notice. The MANITOU models presented in this brochure can be supplied complete with optional equipment attachments.



PROVISORY

