

# MANISCOPIC

## MHT 10160 L Turbo

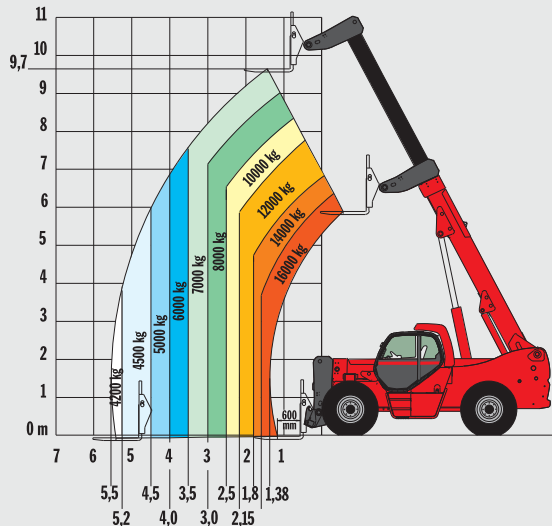
- Capacity : 16000 kg
- Lift height : 9,70 m
- Maximum forward reach : 5,50 m
- Engine : 170 HP
- 4 wheel steer – 4 wheel drive
- Hydrostatic transmission
- Frame levelling 10°/10°



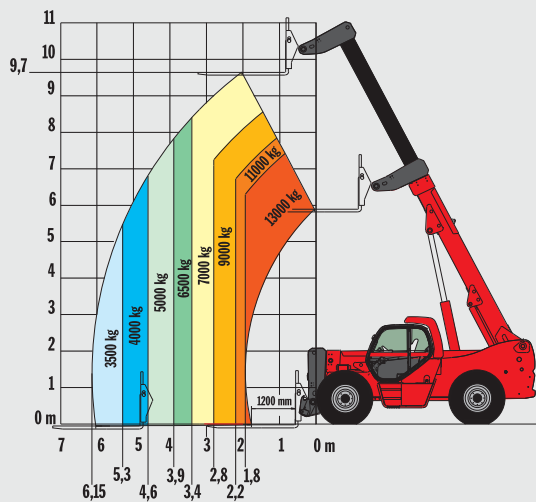
# MANITOU

# MHT 10160 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) : 170 HP / 125 kw  
 Rated speed : 2300 r.p.m.  
 Maximum torque at 1200 r.p.m. : 660 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 :                | 16000 kg  | 13000 kg   |
| Capacity at max. height        | 7000 kg   | 7000 kg    |
| Capacity at max. front reach : | 4200 kg   | 3500 kg    |
| Lift height :                  | 9,70 m    | 9,70 m     |
| Maximum front reach :          | 5,50 m    | 6,15 m     |

## TRANSMISSION

Hydrostatic transmission **REXROTH**

Hydrostatic variable flow pump : 125 cm3  
 Hydrostatic variable cylinder engine : 160 cm3  
 Reversing shift : electro-magnetic  
 Differential central : YES

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 : 170 L/mn  
 Max. flow on attachment (at 350 bar) : 140 L/mn

**Steering pump :**

Type : Load sensing  
 Maximum pressure : 210 bar

**Power brake circuit pump :**

Type : **REXROTH**  
 Capacity : 25,7 cm3  
 Maximum pressure : 40 bar  
 Flow : 59 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

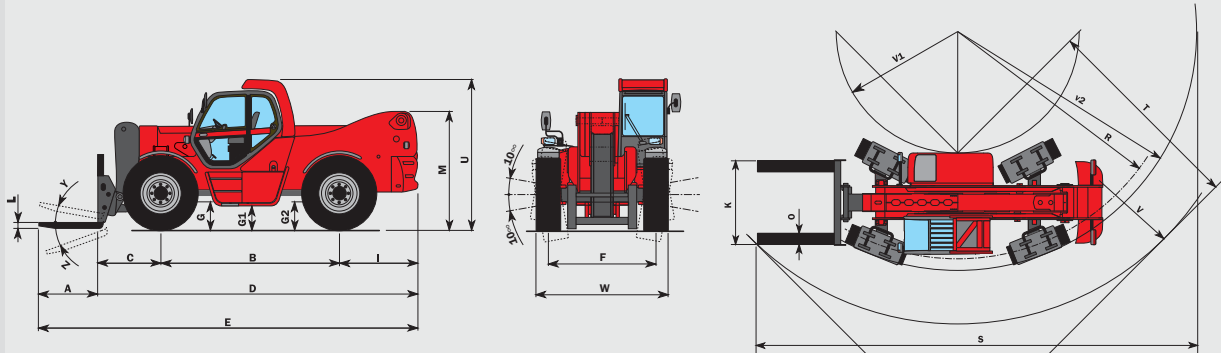
**Flexibles :**

TP tube type with high pressure type flexible links

**Filtration degree (micron) :**

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

## DIAGRAMMES



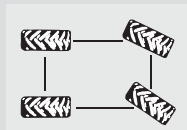
| A    | B    | C    | D    | E    | F    | G   | G1  | G2  | I    | K    | L  | M    | O   | R    | S     | T    | U    | V    | V1   | V2   | W    | Y   | Z    |
|------|------|------|------|------|------|-----|-----|-----|------|------|----|------|-----|------|-------|------|------|------|------|------|------|-----|------|
| 1500 | 3650 | 1335 | 6605 | 8105 | 2000 | 685 | 445 | 685 | 1620 | 2000 | 80 | 2300 | 200 | 5445 | 10345 | 4255 | 2935 | 6810 | 2870 | 5685 | 2500 | 12° | 105° |

### AXLES

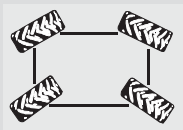
OMCI (stacker) Heavy Duty type, oil bath with epicycloidal reduction with 3 satellites Integrated steering cylinders with double action in high position

Frame levelling 10°/10° on front axle

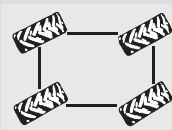
3 steering modes:



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 : 16.00 R 25 XRB  
Pressure : 10 bar  
Drawbar pull : 15500 daN

### LIFTING/TELESCOPING MOTIONS

Unladen lifting : 25 sec  
Unladen lowering : 17 sec

Unladen extending internal telescope : 14 sec  
Unladen retracting internal telescope : 11 sec

### FORKS

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

### WEIGHT

Total weight without equipment : 22300 kg  
Total weight unladen with forks : 23615 kg  
Total weight laden with forks : 39615 kg

#### Load on axle with standard equipment (unladen)

On front axle, boom retracted : 9430 kg  
On rear axle, boom retracted : 14185 kg

#### Load on axle with standard equipment (laden)

On front axle, boom retracted : 34200 kg  
On rear axle, boom retracted : 5415 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 movements
- Safety valves on cylinders
- Heating

### OPTIONS

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

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