

# MANISCOPIC

# MHT 10160 L

Turbo

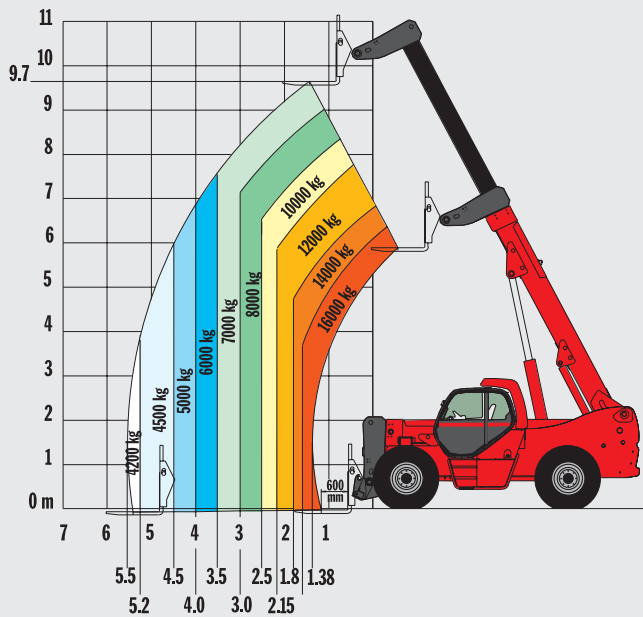
- Capacity : 16000 kg
- Lift height : 9.70 m
- Maximum forward reach : 5.50 m
- Engine : 175 HP
- 4 wheel steer – 4 wheel drive
- Hydrostatic transmission
- Frame levelling 10°/10°



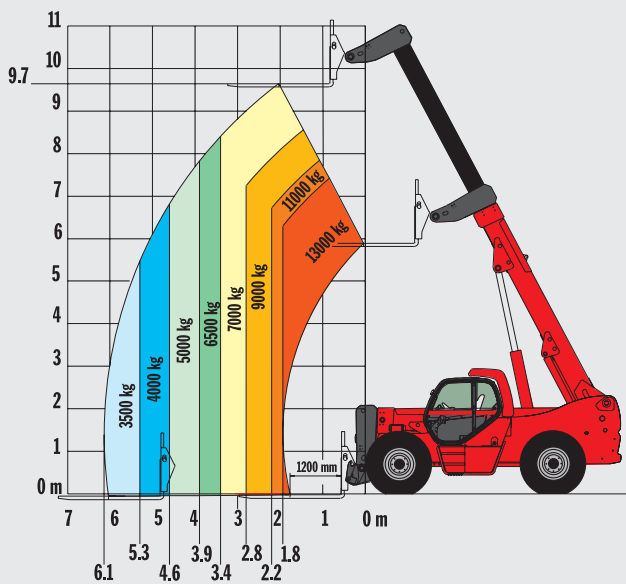
 **MANITOU**

# 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) : 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

Anti-polluting standards  
 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	6.10 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 REXROTH Haute pression

Capacity : 75 cm3  
 Maximum pressure : 350 bar  
 Flow : 170 L/mn  
 Max. flow on attachment (at 280 bar) : 120 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 :**

Electro-Proportional hydraulic joystick with 3 movement combination

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

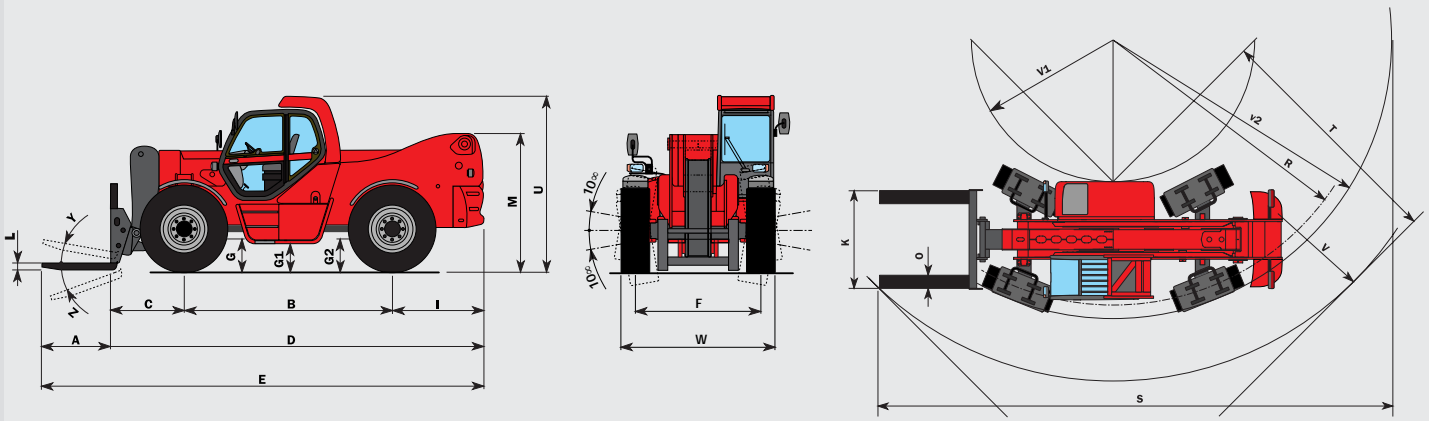
**Flexibles :**

TP tube type with high pressure type flexible links

**Filtration degree (micron) :**

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

## DIAGRAMS



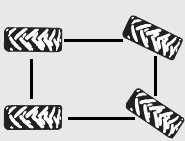
A	B	C	D	E	F	G	G1	G2	I	K	L	M	O	R	S	T	U	V	V1	V2	W	Y	Z
1500	3650	1335	6605	8105	2000	685	445	685	1620	1750	80	2300	200	5445	10345	4255	2935	6810	2870	5685	2500	12°	105°

### AXLES

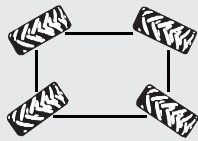
OMCI (stacker) Heavy Duty type, oil bath with epicycloidal reduction with 3 satellites Integrated steering cylinders with double action in high position

Frame levelling 10°/10° on front axle

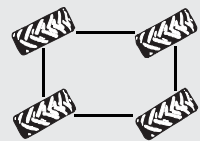
3 steering modes:



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  
 Pressure : 9 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 MT 1750  
 Dimensions : 200 x 80 x 1500 mm  
 Weight of forks : 560 kg

### CAPACITIES

Cooling circuit : 16 L  
 Engine oil : 15.8 L  
 Equipment hydraulic oil : 290 L  
 Fuel tank : 200 L

### 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

### 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
- TFF

### OPTIONS

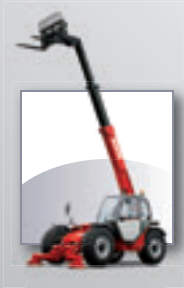
- Air conditioning
- Comfort seat
- Roof wipers
- Cabin rearview mirror

Equipment customised on order



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**Twisco**  
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**MANITRANSIT**  
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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.