

MI HIGH CAPACITY

IC masted forklift trucks 5 to 10 tons



A full range

Perfectly representing MANITOU's dedication to industrial markets, the MI (Manitou Industrial) have been designed around user expectations such as simplicity, comfort, reliability and efficiency.

The MI High capacity range, with 8 new models, fulfills all of your industrial applications.





The advantages of a high capacity truck

Easy to use

Simple and efficient, the truck is intuitive with smooth operation.

- Power steering that facilitates movement even with heavy loads.
- Position and shape of hydraulic and reverse control levers designed for natural and effortless handling.
- Suspended pedals and controls (lighting, signalling) on the steering wheel column which contribute to the ergonomics of the driver's cab.
- Flexible use of the oil immersed brakes and parking brake give operation in complete safety.
- Display screen positioned to facilitate easy reading of all control lights.

Easy access

Getting in and out of the Manitou cab is a repetitive task so for all of its ranges of products, one of MANITOU's prime concerns is the safety and comfort of the user during this procedure.

Whatever their body size, the user can easily access the driver's cab from both sides thanks to:

- the fixed handles on each side of the overhead guard.
- the wide anti-slip steps located on both sides.
- the large open space on the floor.



Optimal visibility

The safety of the driver and their environment is paramount through visibility, it is why the machine was designed around this priority with:

- Mast: optimized hose routing for better vision between the uprights.
- Frame of the overhead guard designed for maximum visibility.
- Rear uprights shaped to facilitate reversing.
- Fully integrated lighting (LED technology) in the uprights.
- Panoramic rearview mirror (standard).

Optimal working comfort

The spacious and comfortable driver's cab gives the forklift truck operator an excellent driving experience which makes their work less tiring and thus contributes to their productivity.

- Adjustable suspension seat with safety belt (standard).

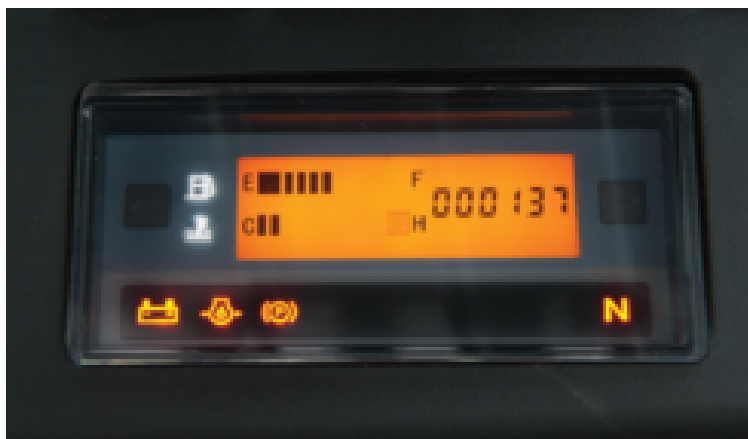
- Operator proximity sensor which secures use by locking the hydraulic movements of the mast and the front/rear movement of the machine (standard ISO 3691).

- Tilting steering column.

- Vibration absorption systems.

- Systems enabling the smooth lowering of the forks at the end (shock absorber) and reducing jerky movements and noise when deploying the mast.

- Various types of cabs and many options available (heating, air conditioning, lighting, rearview mirrors). The operator can thus have equipment that is suitable for all conditions of use.



The advantages of a high capacity truck

Robustness

The new large capacity MI are fitted with a monobloc chassis, masts and reinforced axles in order to handle the heaviest loads in the most challenging environments.

The Powershift transmission has been specifically developed for this type of application.

The axles, transmissions and gearboxes have been tested for many years under the most stringent conditions of use. Additional filters have been provided for to ensure oil cleanliness.

The machines are equipped as standard with a dual-element air filter and a safety filter. Designed to resist corrosion and vibrations, their service life is increased as well as their filtration capacity. For the most demanding applications, a cyclonic pre-filter and a self-cleaning cyclonic pre-filter can be offered.

High performance engine

The engines which equip the MI heavy-duty range have been chosen by MANITOU and adapted in order to meet the high performance levels expected both in terms of power and environmental constraints, as well as the various standards in force (sound level, pollution etc.).

Fuel consumption was also an essential selection criteria given the engine power for this category of machines.

The large capacity MI maintain significant travel and elevation speeds without fuel increasing consumption.



Gas engine PSI



Diesel engine Cummins



Easy to maintain

Special attention was given in order to facilitate regular checking operations:

- Oil immersed braking means the braking capacity is preserved and its service life proven (up to 5 times longer in relation to traditional brakes).
- The number and layout of the lubrication points have been optimized.
- Its simple design (limited number of electronic parts) reduces the maintenance cost.
In addition, the main electronic components, relays and fuses are positioned in sealed casings protected from dust and moisture.



MI high capacity: a full range



MI 50L

MI 60

| | |
|------------------|---------|
| Energy | |
| Engine power | kW (hp) |
| Capacity | kg |
| Load center | mm |
| Carriage class | |
| Max. lift height | mm |
| Number of wheels | |
| Turning radius | mm |
| Lenght w/o forks | mm |

| |
|--------------------|
| Gas / Diesel |
| 74 (99) / 75 (100) |
| 5.000 |
| 600 |
| FEM 4A |
| 7.000 |
| 6 (4 AV / 2 AR) |
| 3.250 |
| 3.499 |

| |
|--------------------|
| Gas / Diesel |
| 74 (99) / 75 (100) |
| 6.000 |
| 600 |
| FEM 4A |
| 7.000 |
| 6 (4 AV / 2 AR) |
| 3.300 |
| 3.529 |





MI 70

| |
|--------------------|
| Gas / Diesel |
| 74 (99) / 75 (100) |
| 7.000 |
| 600 |
| FEM 4A |
| 7.000 |
| 6 (4 AV / 2 AR) |
| 3.350 |
| 3.604 |

MI 80

| |
|-----------------|
| Diesel |
| 82 (110) |
| 8.000 |
| 600 |
| FEM 4A |
| 7.000 |
| 6 (4 AV / 2 AR) |
| 3.360 |
| 3.895 |

MI 100

| |
|-----------------|
| Diesel |
| 82 (110) |
| 10.000 |
| 600 |
| FEM 5A |
| 7.000 |
| 6 (4 AV / 2 AR) |
| 3.940 |
| 4.242 |



Why MANITOU ?

A global group

The MANITOU group, world leader in all-terrain handling, designs, manufactures, distributes and services equipment for construction, agriculture and industry.

Capitalizing on over 60 years' experience, MANITOU is constantly innovating and guarantees you quality products and services, always tailored to reflect the changes in your activity.

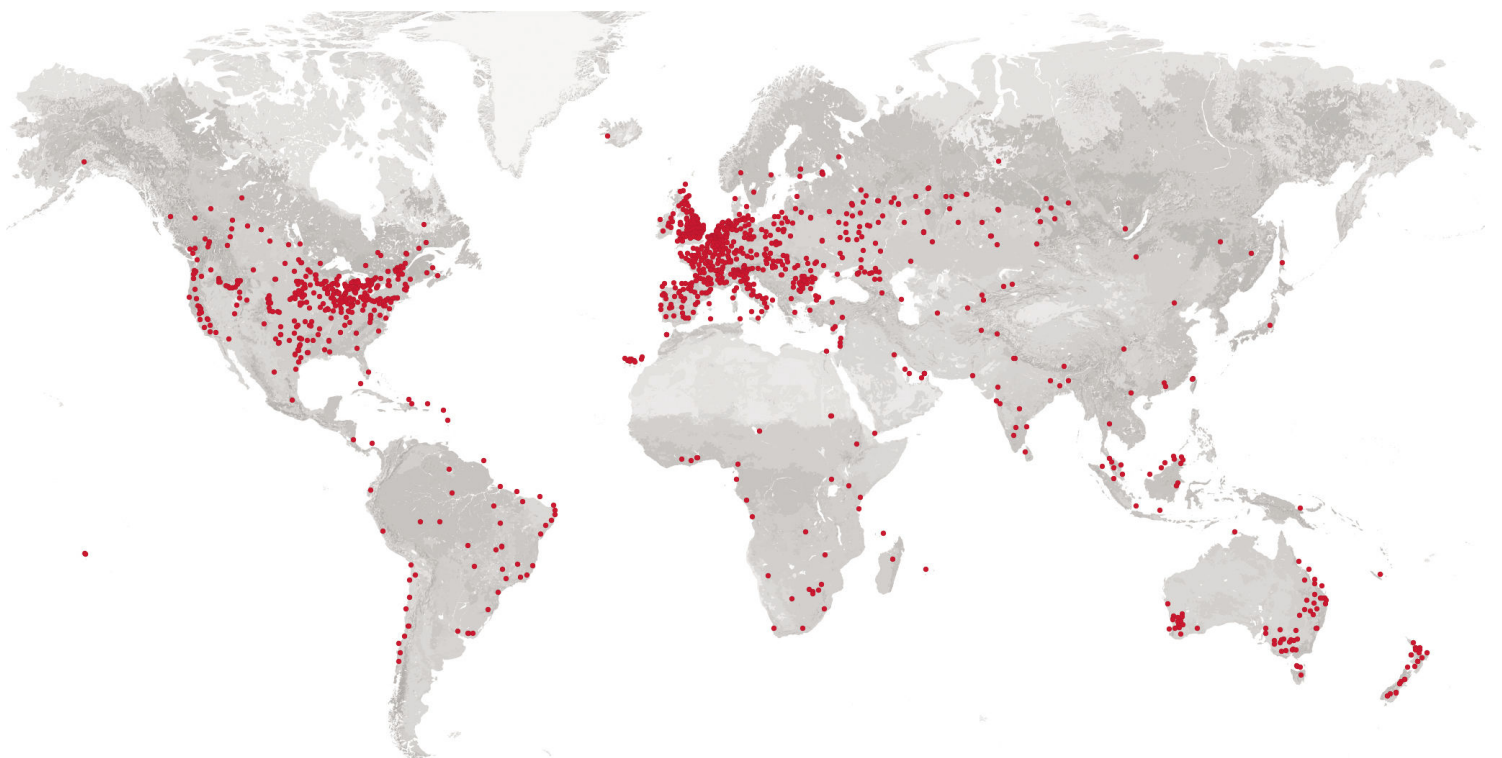
1400 dealers at your service

The MANITOU network is present in more than 120 countries. In total, there are more than 2000 expert technicians who are specially trained in MANITOU technology and who are at your service to assist with purchasing or after-sales services.

An industrial center of expertise

The MANITOU group has developed for many years handling solutions recognized by the most demanding manufacturers. It is now expanding its range of I.C. forklift trucks with machines that can handle loads of 5 to 10 tonnes.

MANITOU also has a genuine area of expertise and a production tool specifically dedicated to the industrial market: a Research & Development team and specific sales team.



Manitou's service

Everyday expertise and service

Your MANITOU dealer guarantees a complete range of services at all stages of your machine's life. It will support you and adapt to your needs in order to provide the best solution.

Dealers' network
A network of experts at your service whatever your activity (agriculture, construction, industry).

Maintenance contracts
3 levels of contracts which are tailored to your needs: Initial, Advance, Excellence. Entrust the maintenance of your equipment to your dealer.

Financing
Lease or buy? MANITOU Finance helps you to choose the most suitable financing solution for your activity. Why look elsewhere?

Warranty extension
With Maniplus, you can extend the cover of your Manitou for up to 5 years.
Use your equipment with peace of mind.

Fleet management
Easy Manager is a simple and flexible tool for managing, optimizing and securing the operational monitoring of your machines.

Used
Are you looking for second-hand equipment? The MANITOU network will help you to find the right equipment from amongst the second-hand equipment selected and assessed.

Genuine spare parts
With more than 70,000 references available, your Manitou dealer provides expertise and service on a daily basis!





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