

Keeping operators and their environment safe

Manitou is committed to designing machines that provide optimum safety for users.

- **Operator detection system (OPS)**  
Inhibits the lifting and moving functions of the machine when the operator is not properly seated.
- **Full LED lighting**  
Equipped with a full LED lighting package as standard. Optional blue and red lamps can project a light signal to the front and rear of the machine in order to warn pedestrians of the truck's approach.
- **Intuitive and intelligent instrument panel**  
The majority of the controls are now grouped under the new display. It provides an overview of truck performance, steering wheel position, steering direction and battery charge level.
- **Access to the operator's compartment**  
Our low,anti-slipping step and access handle reduce operator fatigue.
- **Speed limitation**  
The 3 performance modes available allow you to select a level of drive and hydraulic performance to suit your application. Further settings are possible using a service code.
- **Speed Reduction in curve**  
As standard, this intelligent speed reduction on curves ensures safe approaches without compromising your productivity!
- **Audio warning in reverse**  
Standard audio warning in reverse warns pedestrians of the truck's approach. A rear handle with horn is also available for safe operation of the machine.



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«Our Manitou equipment provides us the highest up-time while decreasing our downtime cost. These are essential to the efficiency of our operations.»

Contact your dealer

A comfortable operator is a productive operator

The operator's position offers a comfortable ride, making operation less tiring and helping to maximise productivity.



- **Visibility**  
The design of the overhead guard and mast takes into account your need for visibility of the load, giving you optimum peripheral vision.
- **Ergonomic operator position**  
Quickly and easily adjust the position of your seat, the steering column, etc. The entire operator environment has been designed to make the working day easier.
- **Tailor your truck to your application**  
Mini levers on armrest, choice of seat, full or open cab, heating... Our catalogue of equipment will optimise comfort throughout the work cycle.



This publication describes the versions and configuration possibilities of Manitou products which may differ in equipment. The equipment shown in this brochure may be standard, optional, or not available depending on the version. Manitou reserves the right to change the specifications described and shown at any time without notice. The specifications shown are not binding on the manufacturer. For more details, contact your Manitou dealer. Non contractual document. All logos and corporate identity are the property of Manitou and may not be used without permission. All rights reserved. The photos and diagrams contained in this brochure are provided for reference purposes only. Manitou BF SA - Public limited company with a Board of Directors - Share capital: 39 547

RANGE  
ME



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Service first

Our network of Manitou dealers is there to support you on a daily basis to ensure your forklift is operational all year round, thanks to a wide range of services and handling solutions.

- **A local network**  
A network of 1,050 expert dealers around the world at your service.
- **Fast and easy maintenance**  
Accessibility to maintenance items, consumables (filters, etc.) common to all trucks...
- **Peace of mind**  
With maintenance contracts and warranty extensions, extend the coverage of your Manitou to 5 years and entrust the maintenance of your equipment to our expert technicians.
- **Reduced downtime**  
With over 70,000 reference parts in stock, keep machine downtime to a minimum!
- **Financing**  
Manitou Finance helps you choose the most suitable financing solution for your use and your business.

**Connectivity**  
With our Easy Manager\* solution, you can monitor your equipment in real time and schedule your next maintenance sessions... a simple tool to manage and secure your machines.



Reliability at the service of performance

Throughout the project, we integrate your total cost of ownership

- **Known and recognised components**  
Our ME forklifts are equipped with Inmotion controllers which are recognised on the industrial market for their performance and are common to many Manitou machines.
- **Optimised lifting**  
The hydraulic pump on each ME truck is optimised to provide market-leading lifting speeds and high hydraulic flow rates to facilitate the use of your attachment.
- **Easy to service**  
Your ME truck offers quick and clear access to essential components. Our components and consumables have an optimised service life to reduce maintenance time.







### Range of attachments

Several accessories are available to meet your performance needs and applications, while taking into account your need for flexibility with our attachments.

Sideshift carriage	Fork Positioner	Other attachments
Control the position of the carriage to facilitate load placement	Adjust your fork spacing without leaving the operator's compartment	Clamps, rotating carriages, push-pullers... Whatever the load to be handled, we can offer you the right attachment
		

### Different types of masts for different needs

Select the ideal mast taking into account your operational constraints and dimensions

### How to choose **your mast?**

- 1 The maximum height you need to lift your loads (+ 15 cm safety margin for racking loads)
- 2 Your height constraints: what is the minimum height I need to clear?
- 3 Visibility: The FVD mast offers better visibility of the load in the absence of a free lift cylinder

#### Full Visibility Duplex (FVD)

Mast with two mast elements with low free lift. The movable element is activated as soon as the operator uses the hydraulic lever, giving maximum visibility of the forks between the mast elements.

#### Free Lift Duplex (FLD)

The central cylinder provides a large free lift without having to lift the mast. The mast consists of 2 elements, which have a low overall height for medium lift heights. Ideal for height constrained applications with two or three stacking levels.

#### Free Lift Triplex (FLT)

The mast consists of 3 elements, which allow a low overall height while maintaining visibility to the forks. The most versatile mast, combining compactness and high lift height for unloading trucks and containers and placing loads at up to 6.5 meters.

## 14 models

### Capacity

**1,5 to 5 tons**

### Models

**3 or 4 wheels**

### Batteries

**24<sub>v</sub> 48<sub>v</sub> 80<sub>v</sub>**

### Lifting height

up to

**6,5 m**

#### Energy solutions

Manitou offers you a choice of power pack solutions to suit your needs. Exide, Energys or Hoppes lead-acid batteries, lithium-ion batteries, no energy pack... the choice is yours!

#### Zero emissions

The MEs are emission free when in use, regardless of the battery chosen.



#### Removable side cover

Access the battery and truck components without tools!

#### Adaptation to constraints

Vertical or lateral battery change, adaptations for cold or saline environments...

#### Easy and safe access to the driver's cab

Anti-slipping step and access handle

#### Adjustment of the driving position

Quickly and easily optimise your position in the driver's seat with the adjustable steering column and the multi-adjustable Grammer seat.

### Your expectations Our solutions

Your application is unique. However, our ME trucks are designed to meet your requirements by providing exactly what you would expect from a forklift truck. Ease of use and maintenance, reliability and durability, safety

Our Manitou network will work with you to identify your operational constraints and configure the ideal machine for your application.

	ME 315C	ME 315	ME 316	ME 318	ME 320	ME 418	ME 420
Energy (Diesel / LPG)	Electric	Electric	Electric	Electric	Electric	Electric	Electric
Traction motor kW / hydraulic pump motor kW	4 / 8.6	2 x 4.75 / 8.6	2 x 4.75 / 8.6	2 x 4.75 / 8.6	2 x 4.75 / 8.6	8.6 / 8.6	11 / 8.6
Load capacity	1500	1500	1600	1800	2000	1800	2000
Load center	500	500	500	500	500	500	500
Carriage class	FEM 2A	FEM 2A	FEM 2A	FEM 2A	FEM 2A	FEM 2A	FEM 2A
Lifting height (bracket)	2700 / 6500	2700 / 6500	2700 / 6500	2700 / 6500	2700 / 6500	2700 / 6500	2700 / 6500
Dimensions (l2 x h6 x b1)	1865 x 2105 x 990	1790 x 2040 x 1086	1898 x 2040 x 1086	1898 x 2040 x 1086	2006 x 2040 x 1120	2098 x 2130 x 1138	2342 x 2155 x 1150
Turning radius	1510	1452	1555	1555	1660	1900	2090
Aisle width for 1000 x 1200 pallet crossways	3201	3138	3241	3241	3346	3506	3745
Aisle width for 800 x 1200 pallet lengthways	3325	3262	3365	3365	3470	3706	3945

	ME 425C	ME 425	ME 430	ME 435	ME 440	ME 445	ME 450
Energy (Diesel / LPG)	Electric	Electric	Electric	Electric	Electric	Electric	Electric
Traction motor kW / hydraulic pump motor kW	11 / 8.6	18.5 / 25.4	18.5 / 25.4	18.5 / 25.4	18.5 / 25.4	18.5 / 25.4	18.5 / 25.4
Load capacity	2500	2500	3000	3500	4000	4500	5000
Load center	500	500	500	500	500	500	500
Carriage class	FEM 2A	FEM 2A	FEM 3A	FEM 3A	FEM 3A	FEM 3A	FEM 3A
Lifting height (bracket)	2700 / 6500	3000 / 6000	3000 / 6000	3000 / 6000	3000 / 6000	3000 / 6000	3000 / 6000
Dimensions (l2 x h6 x b1)	2342 x 2155 x 1150	2490 x 2240 x 1275	2495 x 2240 x 1275	2500 x 2240 x 1315	3015 x 2300 x 1380	3015 x 2300 x 1380	3015 x 2300 x 1380
Turning radius	2090	2400	2400	2400	2720	2720	2720
Aisle width for 1000 x 1200 pallet crossways	3745	4025	4045	4045	4470	4470	4475
Aisle width for 800 x 1200 pallet lengthways	3945	4225	4245	4245	4670	4670	4675

### Your different tyres

Our range of tyres is adapted to your operational constraints.



#### Solid tyres (PPS)

For use on smooth ground. Unaffected by punctures, these tyres are the most common for indoor or mixed use.



#### Non-marking solid tyres (PPS)

For indoor use, leaving no black marks on the ground. Particularly suitable for the retail trade or food industry.



#### Inflatable tyres

Tyres suitable for slightly uneven or damaged floors. Risk of puncture to be taken into account.



#### FOPS overhead guard

Our overhead guard not only protects your operator in the event of a falling load, but also offers optimal visibility when placing your load at great heights.

#### A forklift offer suited to your work cycle

Our ME range offers two 2.5 tons capacity trucks: The ME 425C is equipped with a 48V battery, for light to medium duty use, while benefiting from unmatched compactness. The ME 425 is equipped with an 80V battery and powerful traction and hydraulic motors to ensure a high level of productivity in heavy duty applications.

