

RANGE
SMALL TONNAGE

MSI



Scan and discover more
information on
manitou.com

 **MANITOU**
HANDLING YOUR WORLD

Your performance, our priority

Tough enough for any challenge!

● Hydrostatic transmission

Recommended for applications requiring:

- Regulated working power
- Constant speed control
- Precision in driving and approach
- Repetitive braking: the automatic braking on release of the pedal improves driving comfort for the operator

● Optimal performance

Equipped with a large diameter front wheels for good weight distribution on the axles. MSI offers excellent performance on ground and a max speed of 22 km/h to increase your productivity.

● Rough-terrain mast design

Its width ensures better stability of the machine for greater safety when handling long or bulky loads. Mast tilting up to 12°.

● Turning radius

The MSI machine, with a turning radius from 2.62 m, can meet the challenges of narrow storage areas and confined areas.

● Semi-industrial design

An important ground clearance of 24 cm. An oscillating rear axle.



Your total cost of ownership (TCO)

From the design stage, we take your total cost of ownership into account in order to develop high-performance, robust and cost-optimised machines.

● Reduced consumption and noise on site

Reduced cabin noise and fuel consumption with the new Stage 5 engine. Significant environmental impact.

● Easy maintenance

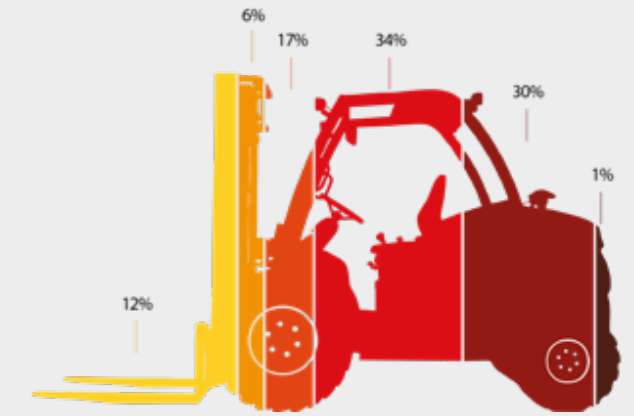
Simplified access to maintenance components for reducing machine downtime. Increased maintenance intervals.

● Optimised resale value

The MSI range brings you high resale value thanks to its performance, quality and robustness of its components.

● Mast robustness

Designed for intensive applications, the mast is fixed directly to the chassis to avoid mast torsion.



- Financial costs: Taxes, interest, insurance, etc.
- Tyres
- Maintenance & repairs: Preventative and corrective maintenance
- Fuel
- Depreciation: Purchase value - Resale value
- Miscellaneous: Training of operators, etc.



Need more compactness? Choose the Buggy cab

As an option, you have access to the buggy version: Lower cab height of 1930 mm.

Your compactness & comfort

No compromise on safety and efficiency!

● Comfort and visibility are among the major points on selecting your machine. MSI is unparalleled on both:

- Large cab, with seat in the middle
- Wide windscreen and roof glass with the best visibility on the market
- Options for pneumatic seat
- Silent truck with double skinned engine hood
- Large and safe access to the cab
- Highest ground clearance on the market



Protect your equipment and control access

As an option, you can manage driving authorisations and control operator access to your machines. You ensure their safety in and around the machine.

Your Connected solution

Monitor the position of your machine 24 hours a day in real time and optimise its operational follow-up.

● View in real time

Manage your fleet remotely and benefit from a wealth of information about your machines accessible on your computer, tablet or smartphone.

● Anticipate maintenance

Save time : share your alerts directly with the technician to anticipate visits and reduce response time.

● Analyse performance

View the performance of your machines in a graphical format that is easy to follow and understand.

Lifting height
jusqu'à **6000** mm

Maximum capacity
3500 kg

Cabin height from
1930 mm (buggy version)

2 wheel drive

Hydrostatic transmission

Optimized maintenance

Simple and safe access to all checking points and levels, to the main components and greasing points, MSI is a very effective machine to clean, to check and to repair.



Panoramic cabin roof



JSM advantages

The JSM (Joystick Switch & Move) is optionally available on MSI range. Thank to JSM you can put all handling controls in the palm of your hand that will bring you unequaled precision and speed for your daily tasks!

Comfortable working environment

A remarkable driving experience, making work less tiring and improving productivity with the spacious and suspended cab. Mounted on silentblocs, shocks and vibrations are absorbed to offer the operator unique comfort.

Curved counterweight

for improved rear visibility.

Easy access

Upper left hand handle, open access at the floor level will bring safety and comfort during the repetitive movements of getting in and out of the driver's cab.



YOUR SAFETY & VISIBILITY

Visibility is an essential element in the safety of drivers and their environment, and this key element is considered in at the design stage.



Which mast to choose ?

Identify the maximum height you need to level your loads and add a 15cm margin for the safety.

Then your height constraints : what is the lower door I need to cross?

And finally the visibility : FVD and FVT suggest a better visibility at highest height on the load.

On MSI range, all our FVD and FLT masts keep their nominal capacity up to a minimum of 3000 mm.

Did you know ?

Manitou is the only constructor who build its own rough-terrain mast to provide the best quality for its machines.



Simplified use sheet
Handling videos
Reduce Risks helps you to use your machines safely





	MSI 25	MSI 30	MSI 35
Capacity (kg)	2500	3000	3500
Engine power (kW)	37	37	37
Max. lifting height (m)	6	6	6
Load centre of gravity (mm)	500	500	500
Carriage class	FEM 2A	FEM 3A	FEM 3A
Dimensions from (L x W x H) (m)	2.99 x 1.33 x 1.93	3.03 x 1.33 x 1.93	3.13 x 1.33 x 1.93
Aisle width from (m)	4.64	4.67	4.71
Turning radius (m)	2.62	2.65	2.68



Loading/ unloading lorries and containers
 Construction materials
 Storage
 Wood industry
 Industries
 Recycling
 Nurseries
 Oyster farming

Versatility & strength for all your jobs

These attachments require three or four hydraulic movements, to allow the levers and distributors to be fitted up to the attachment mounting system.

Side-shift	Fork positioner	Bucket	Tilting carriage



Tilting carriage

MSI may be fitted with a tilting carriage (as an option): a quick and easy way to switch between attachments, making your MSI versatile and even more useful.

Your mast

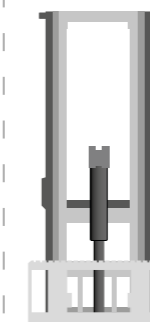
To meet your height requirements, the MSI range offers a number of mast options:

Mast options: FVD: 3300 to 4500 / FLT: 3400 to 6000 / FVT: 3300



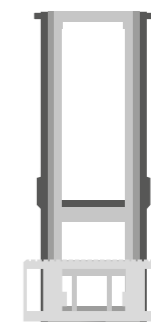
Full Visibility Duplex (FVD)

Two mast components with low free lift. The mobile component is activated when the operator uses the hydraulic lever.



Free Lift Triplex (FLT)

The central cylinder gives the operator greater free lift without having to raise the mast. You can raise the forks without changing the mast height. The mast consists of three elements, which allow for a low overall height while maintaining a significant working height.



Full Visibility Triplex (FVT)

Three mast components without free lift. The mobile component is activated when the operator uses the hydraulic lever, allowing low height and good front visibility at the same time.

Benefits

The width of MSI machine can go from 1330 mm up to 1600 mm depending of your set of tyres. It can reduce the ground marking and give the better stability. The standard set of tyres allows to preserve the compactness of your machine.

Good tyres that are suited to your application will reduce the number of tyre changes and therefore help to optimise your TCO (Total Cost of Ownership).



Your different tyres

- Industrial: perfect for a tarmac surface.
- Truck: perfect for tarmac surface and long distance.
- Mixed: suitable for moving from a stable surface to an off - road surface (and vice versa).
- Low pressure to reduce the impact on your grassy / sandy ground.



Mixed



Mixed



Industrial



Industrial



Truck



“As a fleet manager, we measure precisely the TCO and profitability of our equipment. We look for machines that are versatile and safe, and that meet the space constraints of the construction sector.”

Contact your dealer



Scan and discover more information on manitou.com



This publication presents the description of the versions and configuration possibilities Manitou products which may differ in equipment. The equipment presented in this brochure may be standard, optional, or not available depending on the version. Manitou reserves the right, at any time and without notice to modify the specifications described and represented. The specifications given do not bind the manufacturer. For further details, contact your Manitou dealer. Non-contractual document. Presentation and visuals of non-contractual products. The logos and visual identity of the company are the property of Manitou and cannot be used without authorization.

All rights reserved. The photos and diagrams contained in this brochure are provided for consultation purposes and for information purposes only. Manitou BF SA - Public limited company with a board of directors Share capital: 39 547 824 euros - 857 802 508 RCS Nantes - ©Manitou ©Adobe stock