

**RANGE**  
Truck mounted forklifts



# Handling your world

Founded over 60 years ago by the Braud family, Manitou Group now operates worldwide. A world leader in rough-terrain handling, the group designs, produces, distributes and services equipment for construction, agriculture and industry.

The Group's product lines include fixed, rotating and heavy tonnage rough-terrain telehandlers, articulated loaders, rough-terrain, semi-industrial and industrial masted forklifts, skid-steer loaders on wheels and tracks, backhoe loaders, aerial work platforms, truck mounted forklifts, warehousing equipment and attachments.

Through its iconic brands, Manitou, Gehl and Mustang, and its network of 1,500 dealers worldwide, the Group offers the best solutions by creating optimum value for its customers.

Headquartered in France, the Group recorded a turnover of 1.6 billion euros across 140 countries and employs 3,900 people who are all fully committed to customer satisfaction.



1958

First Manitou forklift-truck created based on an idea from Marcel Braud.

1972

Start of the Group's internationalization.  
Commercial partnership agreement signed with Toyota for the exclusive distribution of Toyota industrial forklift trucks in France.

1981

Manitou's first telehandler launched.

1984

Initial stock market offering.

1993

The first of the MRT rotating telescopic forklifts were put on the market.

1995

Launch of new aerial work platforms.

1996

First ISO 9001 certification obtained.

1998

Marcel Braud becomes Chairman of the Supervisory Board.

2007

Manitou inaugurates a 22,000 m<sup>2</sup> international logistics center.



**3 brands**  
distributed by  
1,500 dealerships  
in 140 countries

 **MANITOU** | **GEHL** | **MUSTANG**

- 26 subsidiaries
- 11 production sites
- 3,900 employees worldwide
- 78% of turnover abroad
- Turnover of 1.6 billion euros in 2017

2008

The American Gehl Company was acquired.

2009

Change of governance and return to a Board of Directors.

2010

Gehl and Mustang articulated loaders launched.

2012

Crossover agreement signed with the Yanmar Company for the manufacturing and distribution of compact excavators.

2013

Partnership with Yanmar made stronger with Yanmar taking a 6.26%-stake in the group's capital.

2014

January: Michel Denis appointed as President and CEO.  
April: new roadmap organized around 3 divisions, including one for services.

2015

Celebration of the 500,000th machine sold worldwide.



2016

Launch of the new MLT range, NewAg.

*NEWAG*

2017

Inauguration of the new entity Manitou Equipment India, specializing in skid-steers and backhoe loaders.









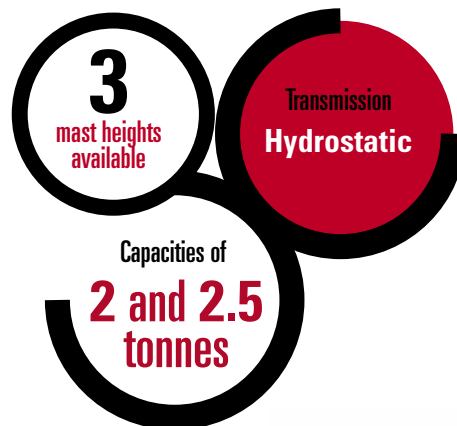
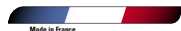
## Truck mounted forklifts

The Manitou brand offers material-handling machines equipped with a telescopic boom (TMT) or a mast (TMM). These machines are attached to the back of your lorries or trailers. It is THE handling solution for your deliveries.

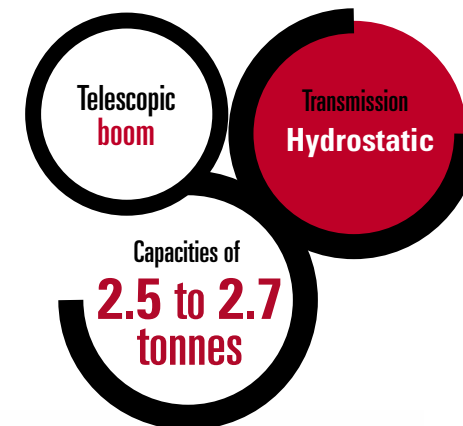
# A DUAL DESIGN

## Machines to suit your needs

Regardless of the type of load or application (construction, deliveries to private individuals, events, etc.), you will find the solution in the TMF (Truck-Mounted Forklifts) range.



### TMM



### TMT





## An asset for delivery drivers

TMT and TMM trucks are valuable assets for your teams.

From urban areas with difficult access to construction sites, these machines will allow you to work autonomously, providing your customers with the best service and delivering to the last mile.

Thanks to the intuitive operation and ease of use, the TMT and TMM machines ensure complete safety during handling and mounting/dismounting operations.

## Always available

Mobile and powerful, the truck mounted forklift is always available to get as close as possible to the goods in challenging conditions.

In less than a minute, your forklift is ready to load and/or unload any kind of load. The operator can effortlessly reposition it to move to the next destination.

Productivity guaranteed!











Truck mounted forklifts

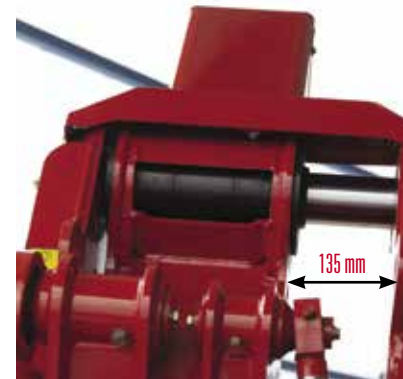


# PRODUCTIVITY & PERFORMANCE

## A boom with sideshift

The telescopic boom moves laterally by 135 mm for greater usage flexibility without adding any extra attachments.

As inventor of the telescopic boom on the truck-mounted forklift, Manitou offers the best telescopic arm for optimum efficiency with minimum maintenance.



## Loading/unloading from one side only

Thanks to the boom, the TMT can unload a platform from one side only without additional equipment.

Ensures that you save time, while maintaining optimal lifting capacity.



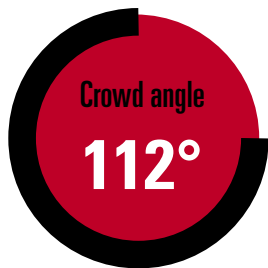




## Engine and transmission

The TMT is fitted with a Kubota 36.5 kW stage 3A naturally aspirated engine and hydrostatic transmission combined with a differential lock to meet any terrain-related challenges. Whatever the environment, the TMT is THE most high-performance machine in every aspect.

With no counterweight and excellent mass distribution, the TMT ensures perfect stability. Braking efficiency is guaranteed with 3 wheel braking provided as standard.



Max. height 3.40 m



## Capacities

The range of truck mounted telehandlers offers significant residual capacity: handle up to 1.5 tonnes when lifting a second pallet placed 2.1 m from your wheel!

Work easily while remaining within the overall height of your machine.

# SAFETY & COMFORT

## Operator environment

Access to the driver's cab is facilitated by a low ergonomic access step.

The TMT and the TMM range both offer a proper driving space:  
a spacious cabin,  
a comfortable seat,  
and ergonomic controls.



The FNR (Forward Neutral Reverse) lever facilitates use of the TMT. It controls the boom movements and travel movements of the machine.



The digital dashboard provides all the maintenance and safety information to enable optimal use of the machine.

## Operator's view

Thanks to its telescopic boom, the TMT gives the driver full visibility over the field of operation.

## The various elements

In compliance with standard EN15000, the TMT has an anti-tilting over system that allows work to be carried out safely. The FOPS/ROPS cabin, stabilizers (for S version machines), and braked wheels ensure maximum safety for the operator.





# MAINTENANCE

## Hoses

Reinforced and concealed.

## Hydraulics

and machine components protected.

## Access to structural components

This has been reviewed so that components can be reached easily and rapidly. Your time and maintenance costs are optimized.

## Frame

A closed, single-block frame to facilitate cleaning of the whole machine. The components are protected from damage by rain, water, dust, etc.

## Design

The TMT allows for intensive use and provides greater durability.

## Paintwork

Double powder coating for better adhesion over time.





Masted truck mounted forklifts







# PRODUCTIVITY & PERFORMANCE

## Engine and transmission

TMM machines are fitted with a Kubota 26.5 kW stage 3A naturally aspirated 4 cylinder engine, which delivers continuous power, even at low rpm. Your driving will be smooth and consistent.

Its hydrostatic transmission, 3 braked driving wheels and differential lock allow it to access all types of terrain.



## Stabilizers

As standard on all TMM machines, the stabilizers ensure the best lifting capacity in the category.







Lifting height  
**3 to 3.9**  
m

## Masts and attachments

Your machine has been designed to increase your productivity:

Mast tilting as standard (8°/7°).

Attachments

2 technologies are available to enable you to access your loads easily:

- Telescopic forks
- Extensor/Pantograph.

These two attachments can be used in combination.



# SAFETY & COMFORT

Dashboard: indicators and buttons are easily accessible. The operator can see at a glance the essential machine data (lights switched on, lateral mode engaged, tank level, etc).



The FNR joystick controls movements of the mast (raising/lowering) and drive movements (forward/reverse) of the machine. It helps you to work ergonomically, comfortably and safely.



To protect the machines during transport (bad weather, truck vibrations, etc.), the machines benefit from a robust design.

In addition, to ensure operator safety, the TMM provides:  
Stabilizers (as standard).  
FOPS/ROPS certified cabin.  
Driver presence detector.  
Effective braking thanks to its distribution over the 3 wheels.  
Differential locking system to improve traction on difficult terrain.





# MAINTENANCE





With its three "4-way" (multi-directional) models, the TMM 20-4W, 25-4W and TMT 25S 4W enable you to move loads, whether they are narrow or very wide, and to access confined spaces.

With the touch of a button, the front wheels of your 4W machine are put in a lateral position.



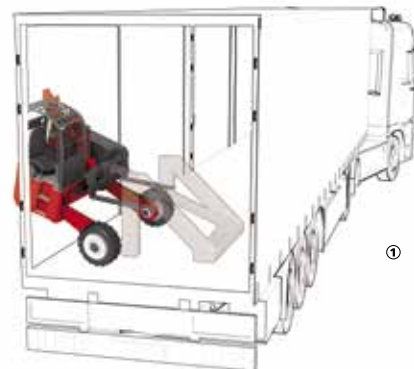
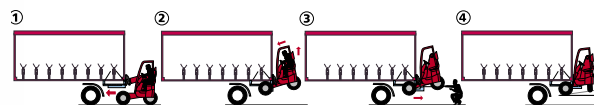
# MOUNTING KIT



## FRAME ATTACHMENT (REAR)

Two possible mounting systems at the rear of your trucks:

- Telescopic system: sleeves + 2 sliders
- Chains system: sleeves + 2 chains.



## PLATFORM ATTACHMENT (SIDE OR REAR)



## Chain kit

Complete chain kit: chains + sleeves + RIG (Rear Impact Guard)

For TMT machines, an additional welding chain support kit is available (part no. 605146).

Part no. 52101583OPT  
Compatibility: TMT and TMM



## Telescopic kit

Kit: universal telescopic supports with 1100 mm sleeves (2000 mm for the TMT27P) and RIG

Part nos. 52101585OPT and 52101586OPT for TMT27P  
Compatibility: TMT and TMM



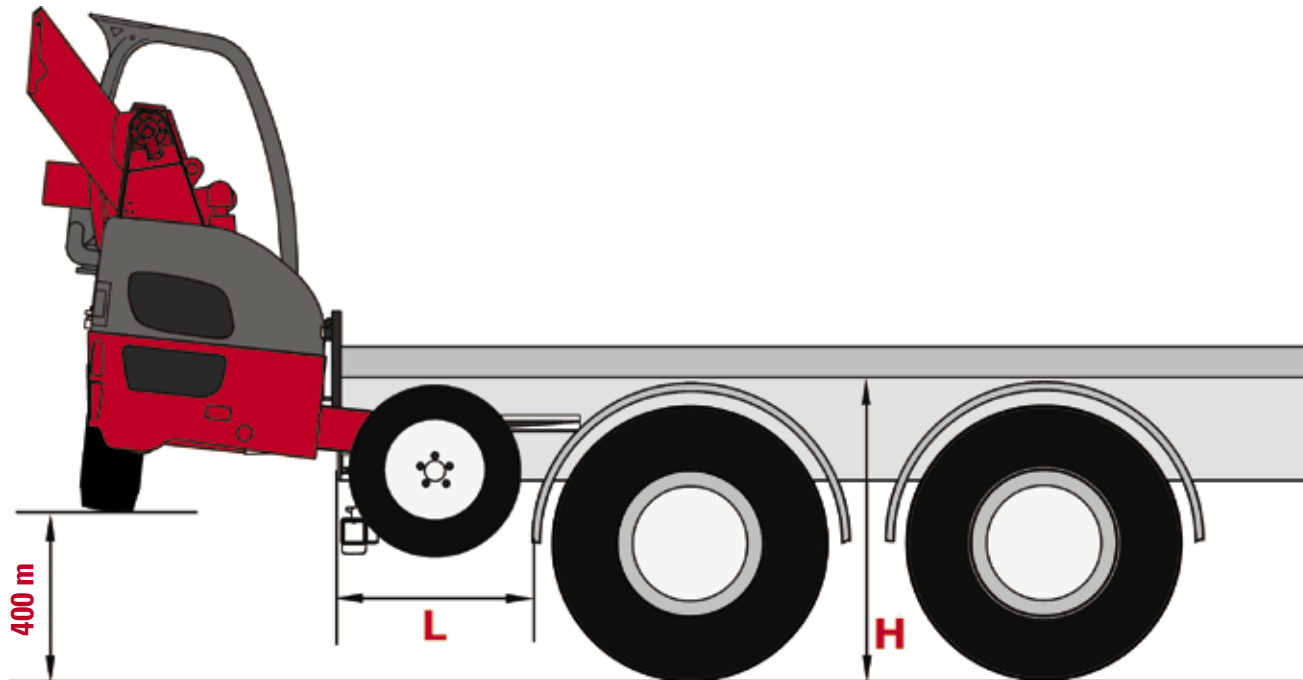
## Top-mounted kit

Part number: 767192

Compatibility: TMT 25I + TMT 25P + TMT 25S + TMT 25S 4W

# MOUNTING KIT

Check

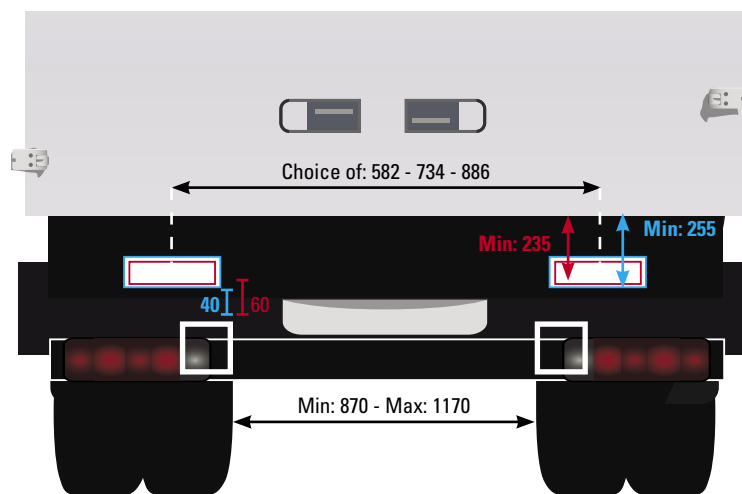


		TMT 25I TMT 25P	TMT 25S TMT 25S 4W	TMT 27S	TMT 27P	TMM 20	TMM 25	TMM Tires 10x16.5-10
<b>H</b>	Distance between bottom of trailer and the ground	1070	1070	1070	1070	1070	1070	1070
<b>L</b>	Distance between the rear wheel mudguard and the back of the trailer	830	850	1140	1110	810	870	900

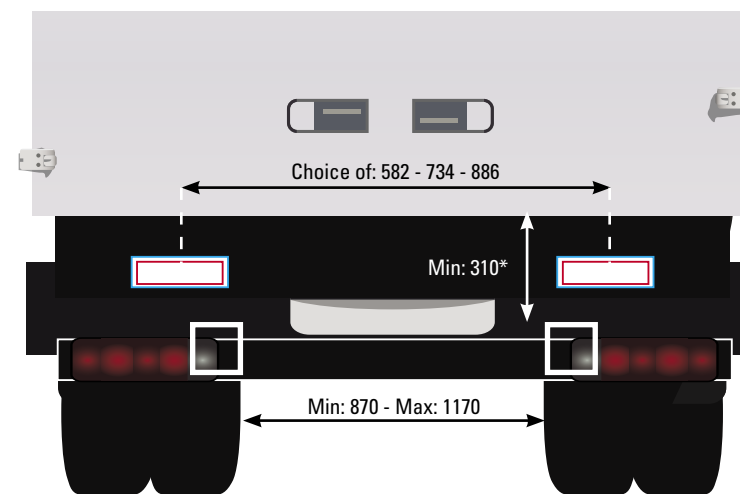


## Existing kits

If you already have a kit on your trailer(s), here is the data you need to find out if you can use it with our machines.



**TMT**



**TMM**

----- Sleeves for telescopic forks 197 x 75 mm (plus a set of wedges to position standard forks).

----- Sleeves for standard forks: 177 x 55 mm.

\* depends on the type of tire: 310 mm with 23x9-10 tires, 350 mm with 27x10-12 tires and 400 mm with 10x16.5-10 tires.



## For all your applications!

The range of truck mounted forklifts brings you extra service to the last mile of delivery. Confined spaces, long loads, construction sites, etc. Deliver easily to all these places with TMM and TMT forklifts.







## Multi-purpose machines

For all your activities, there is a solution at hand with the TMF machines.



EVENTS  
AGRICULTURE  
INDUSTRIES  
DISTRIBUTION





## Cabin height (TMT)

Three cabin heights are available:

- 2.20 m in standard configuration
- 2.00 m (low-profile)
- 2.40 m



This allows you to adapt the cabin of your machine according to your use and your operator's body shape and size.

## Selection of options and attachments

## Tires

Depending on the TMF version, you have a wide choice of tires. Choosing suitable tires ensures efficient use and reduced maintenance costs.



18x7-8 16pr  
Industrial



2 sizes:  
23x9-10 and 27x10-12  
All-road



10x16.5-10  
Rough-terrain



2 sizes:  
280/60-15.5 and 31x15.5-15  
Agriculture

## Metallization

Zinc-plating.  
Extra protection against corrosion for salty environments (salting of snowy roads).



## Long load supports

Placed on the arms of your machine, the supports are raised to receive long loads, while protecting your machine and the safety of the working environment.

## Carriage roller

Thanks to its rollers fitted under the load backrest, the operator can maintain the nominal capacity over the full width of the trailer.



## Fork positioner

The fork positioner, integrated in the mast, enables the user to move the forks and adjust them to the load without getting out of the machine. Guaranteed productivity gains!

Attention, be sure to include appropriate distributors and hydraulic kits on your order form.



		TMT25I	TMT25S	TMT25S 4W	TMT27S	TMT25P	TMT27P	TMM20	TMM25	TMM20 4W	TMM25 4W
<b>MASTS</b>	Full visibility duplex mast 3.00 m	-	-	-	-	-	-	S	S	S	S
	Full visibility duplex mast 3.60 m	-	-	-	-	-	-	0	0	0	0
	Full visibility duplex mast 3.90 m	-	-	-	-	-	-	0	0	0	0
<b>ATTACHMENTS</b>	Mast side-shift	-	-	-	-	-	-	S	S	S	S
	Integrated carriage ISO 2A	S	S	S	S	S	S	S	S	S	S
	Carriage roller	0	0	0	0	0	0	-	-	-	-
	Extensor	-	-	-	-	-	-	0	S	0	S
	Telescopic forks	-	-	-	-	-	-	S	0	S	0
	Additional telescopic forks	-	-	-	-	-	-	0	0	0	0
	Integrated fork positioner	-	-	-	-	-	-	0	0	0	0
<b>FEATURES</b>	Telescopic boom with integrated side shift	S	S	S	S	S	S	-	-	-	-
	Stabilizers	-	S	S	S	-	-	S	S	S	S
	FNR handling lever	S	S	S	S	S	S	S	S	S	S
	3 braked-wheel drive with hydrostatic transmission	S*	S	S	S	S*	S	S	S	S	S
	Aggravating movement cut-off in case of overload	S	S	S	S	S	S	-	-	-	-
	Multi-directional (4-ways)	-	-	S	-	-	-	-	-	S	S
	Hydraulic long load supports	-	-	0	-	-	-	-	-	0	0
	Mechanical long load supports	-	-	0	-	-	-	-	-	0	0
	Extra hydraulic line with quick couplers	0	0	0	0	0	0	0	0	0	0
<b>CABIN / COMFORT</b>	FOPS/ROPS overhead guard	S	S	S	S	S	S	S	S	S	S
	Cabin height 2.00 m	0	0	0	0	0	0	-	-	-	-
	Cabin height 2.20m	S	S	S	S	S	S	-	-	-	-
	Cabin height 2.40m	0	0	0	0	0	0	-	-	-	-
	Skaï seat	S	S	S	S	S	S	S	S	S	S
	Primo seat	0	0	0	0	0	0	0	0	0	0
	Protective seat cover	0	0	0	0	0	0	0	0	0	0
	Internal and external right-hand rear-view mirror	0	0	0	0	0	0	0	0	0	0
	Document holder	0	0	0	0	0	0	-	-	-	-
	Transparent roof protection	0	0	0	0	0	0	0	0	0	0

\* Unbraked



		TMT25I	TMT25S	TMT25S 4W	TMT27S	TMT25P	TMT27P	TMM20	TMM25	TMM20 4W	TMM25 4W
<b>LIGHTS</b>	Road light package	0	0	0	0	0	0	0	0	0	0
	Front and rear working lights	0	0	0	0	S	S	0	0	0	0
	Poultry work lights (blue)	-	-	-	-	S	S	-	-	-	-
	Flashing lights	0	0	0	0	0	0	0	0	0	0
	Rotating beacon light	0	0	0	0	0	0	0	0	0	0
<b>SAFETY</b>	Left-hand safety belt	S	S	S	S	S	S	S	S	S	S
	Right-hand safety belt	0	0	0	0	0	0	0	0	0	0
	Reversing warning buzzer	0	0	0	0	0	0	0	0	0	0
	Truck plug connector 24 V 2x7 pin	S	S	S	S	S	S	S	S	S	S
	Truck plug connector 24 V 1x15 pin	0	0	0	0	0	0	0	0	0	0
	Self-cleaning pre-filter	0	0	0	0	S	S	0	0	0	0
	Reinforced oil cooling	0	0	0	S	S	S	-	-	-	-
	Speed reducer (6km/h) forward/reverse direction	0	0	0	0	0	0	-	-	-	-
	Increased travel speed (13km/h)	0	0	0	0	0	0	-	-	-	-
	Load back rest	0	0	0	0	0	0	-	-	-	-
<b>TIRES</b>	Pneumatic tires	S	S	S	S	S	S	S	S	S	S
	Foam-filled tires	0	0	0	0	0	0	-	-	-	-
	Spare wheel	0	0	0	0	0	0	0	0	0	0
<b>ATTACHMENT KIT</b>	With telescopic supports	0	0	0	0	0	0	0	0	0	0
	With chains	0	0	0	0	0	0	0	0	0	0
	Single anti-crash bar	0	0	0	0	0	0	0	0	0	0
	Single chains	0	0	0	0	0	0	0	0	0	0
<b>PAINTWORK</b>	Double powder coated	S	S	S	S	S	S	S	S	S	S
	Metallization	0	0	0	0	0	0	0	0	0	0
	Special color	0	0	0	0	0	0	0	0	0	0

The specifications may vary according to the regulations in force in the country of use or if optional equipment is added.  
The Manitou brand is constantly researching and developing new products and reserves the right to make changes without notice.

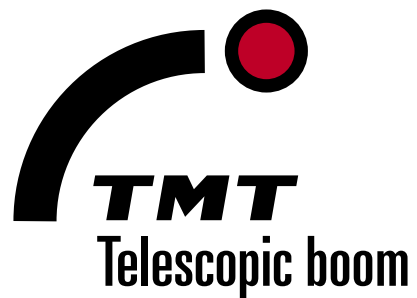






## **The model that you need!**

There is a range of truck mounted  
forklifts between 2 and 2.7 tonnes.



**TMT 251**

Capacity	kg (lbs)
Power	
Engine power	kW (HP)
Max. lift height	m (ft)
Dimensions (L x w x h)	m (ft)
Ground clearance	mm (ft)
Weight	kg (lbs)

2500 (5500)
Diesel
36.5 (49)
3.36 (11'02)
1.55 x 2.27 x 2.19 (5'08 x 7'44 x 7'18)
278 (0'91)
2445 (5379)



**TMT 25P TMT 27P**

2500 (5500)
Diesel
36.5 (49)
3.36 (11'02)
1.55 x 2.27 x 2.19 (5'08 x 7'44 x 7'18)
278 (0'91)
2445 (5379)

2700 (5940)
Diesel
36.5 (49)
3.41 (11'18)
1.58 x 2.34 x 2.19 (5'18 x 7'67 x 7'18)
278 (0'91)
2525 (5555)





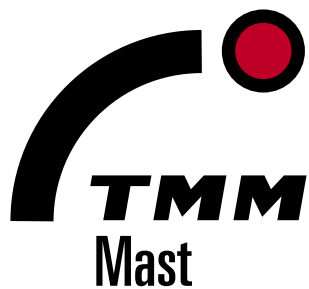
**TMT 25S      TMT 27S      TMT 25S 4W**

2500 (5500)
Diesel
36.5 (49)
3.41 (11'18)
1.58 x 2.34 x 2.2 (5'18 x 7'67 x 7'21)
290 (0'95)
2615 (5753)

2700 (5940)
Diesel
36.5 (49)
3.41 (11'18)
1.58 x 2.34 x 2.2 (5'18 x 7'67 x 7'21)
290 (0'95)
2645 (5819)

2500 (5500)
Diesel
36.5 (49)
3.36 (11'02)
1.58 x 2.45 x 2.2 (5'18 x 8'03 x 7'22)
290 (0'95)
2780 (6116)





**TMM 20**



**TMM 20-4W**

Capacity	kg (lbs)
Power	
Engine power	kW (HP)
Max. lift height	m (ft)
Dimensions (L x w x h)	m (ft)
Ground clearance	mm (ft)
Weight	kg (lbs)

2000 (4400)
Diesel
26.5 (35)
3 (9'84)
1.4 x 2.32 x 2 (4'56 x 7'61 x 5'56)
230 (0'75)
2090 (4598)

2000 (4400)
Diesel
26.5 (35)
3 (9'84)
1.4 x 2.32 x 2 (4'56 x 7'61 x 5'56)
230 (0'75)
2250 (4950)




**TMM 25**

2500 (5500)
Diesel
26.5 (35)
3 (9'84)
1.43 x 2.4 x 2.04 (4'69 x 7'87 x 6'69)
270 (0'88)
2340 (5148)


**TMM 25-4W**

2500 (5500)
Diesel
26.5 (35)
3 (9'84)
1.43 x 2.4 x 2.04 (4'69 x 7'87 x 6'69)
270 (0'88)
2500 (5500)







## **Manitou is here to help you!**

To enjoy the benefit of an operational forklift throughout the year, Manitou offers you a wide range of products and services that are tailored to all your requirements.





## Expertise and service on a daily basis

Your Manitou dealer guarantees you a full range of services at every stage of your machine's life. Your dealer will support you and adapt to your needs to provide the best solution.



## 1,500 dealers at your service

The Manitou network is present in more than 140 countries. In total, there are more than 2000 expert technicians, who are specially trained in Manitou technology, at your service from the time of purchase through to after-sales service.



- **Dealership network**  
A network of experts at your service whatever your field of activity (agriculture, construction, industry).
- **Maintenance contracts**  
3 levels of contracts, which are tailored to your needs: Initial, Advanced, and Excellence. Entrust the maintenance of your equipment to your dealer.
- **Financing**  
Lease or buy? Whatever your activity, facilitate your investment with financing or leasing solutions from Manitou Finance.
- **Warranty extension**  
With Maniplus, you can extend the cover of your Manitou for up to 5 years. Use your equipment with peace of mind.
- **The connected solution**  
Easy MANAGER is a simple and flexible tool to manage, optimize and secure the operational monitoring of your machines.
- **Used**  
Are you looking for second-hand equipment? the Manitou network can help you. Visit your dealer or go to [used.manitou.com](http://used.manitou.com), the reference site for second-hand Manitou equipment.
- **Genuine spare parts**  
With more than 70,000 items available, your Manitou dealer provides expertise and service on a daily basis!

Your dealer:



Head office

B.P. 249 - 430 rue de l'Aubinière - 44158 Ancenis Cedex - France

Tel.: 00 33 (0)2 40 09 10 11 - Fax: 00 33 (0)2 40 09 10 97



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