

RANGE
MRT
VISION



Experience your new
MRT in augmented reality with
your smartphone.

 **MANITOU**
HANDLING YOUR WORLD

Operator comfort

You will never want to leave the cab of your MRT VISION !

- **Quick to get started**
Large, intuitive 8" touchscreen, which can also be used via the armrest mounted navigation dial. Also works with gloves !
- **Dynamic load charts on the screen**
Real-time monitoring of load position. On-board diagnostic system.
- **Exceptional visibility**
Exceptional visibility thanks to the new panoramic cab design.
- **Pressurised cab**
Guarantees a healthy working environment and additional sound insulation.
- **Choose your environment**
Position the new interchangeable "DSB" buttons in the desired position on the 2 integrated armrests.
- **Electrically adjustable rear view mirrors** (optional)
A great comfort that allows you to enjoy optimal visibility at all times.

New remote control

The remote control with integrated display allows precise control of your load. You always have an optimal view of the environment and the load to be handled !



Secure the operators and their environment

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

- **An intelligent and secure machine**
Dual "capacitive" joysticks with integrated detection sensors to secure movement and limit risk.
- **State of charge monitor (SOC)**
The SOC continuously analyses the position of the load in the space and the working configuration of the machine. The system restricts the working area according to the attachment and the load being handled.
- **Automatic parking brake**
The standard automatic parking brake ensures safe manoeuvring on all terrains.
- **Determine your working area**
You can determine the maximum working height for the 400° models. And for the 360° models, determine your complete working area (height, offset and right/left side).

Locking of hydraulic functions

- Tilt lock for safe handling and all hydraulic functions, including stabilisers.



Discover the new cab

Simply scan the QR code with your smartphone !

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



Manitou is committed to reducing your total cost of ownership (TCO)

Throughout the project, 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 reduced service time.
- **Optimised resale value**
The MRT range brings you high resale value thanks to its performance, quality and long life of its components.
- **Easy access to the main engine components**
The engines of our machines are mounted on the right hand side with a full opening engine bonnet giving you access to all components.
- **LED working and road lights**
All lighting is LED to increase brightness and reduce power consumption.

ECO-STOP

The optional ECOSTOP system limits engine use and therefore wear and fuel consumption. The hour meter is based on actual working hours.



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.

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 parts and reduce response time.
- **Analyse performance**
View the performance of your machines in a graphical format that is easy to follow and interpret.

Working height :
from **16** to **25** m

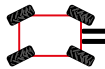
Maximum capacity :
4500 kg

Working reach up to :
19,4 m

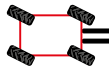
3 steering modes



2 WHEEL STEERING



4 WHEEL STEERING



CRAB MODE

Alignment
automatic
wheels

HYDRAULIC SPEED

You can set the maximum speeds for all hydraulic movements of the machine.



New mini-joystick for easy and precise control of stabiliser movements



The cab with Easy Step and the large handles make getting in and out even easier



Stabilizers



Simple
MRT 1645 and 1845



Spider
MRT 2145 and 2545

Maximum productivity
thanks to the new hydraulic system and the Load Sensing pump.



Easy stabilisation
Automatic stabiliser movements and automatic levelling.

Rapid deployment of stabilisers
Equipped on all models, it will allow you to reduce stabilisation time thus increasing productivity.

Integration with the design
The folded skids automatically fit into the machine's frame. No loss of ground clearance. The cylinders are perfectly protected.

Which engine to choose ?

In order to best meet its customers' expectations, Manitou offers 2 engines (75hp and 116hp). This choice allows you to adapt the power of your machine to your real needs. But which one to choose?

Choose the 75hp engine for optimal use and performance on the job site. The 116 hp engine offers more power and will allow you to drive up to 40 km/h for your road trips

Did you know ?

VISION MRTs are equipped with the new engine heat system, reducing cabin noise.

High strength frame structure
The MRT VISION chassis is the backbone of your machine, ensuring that it remains rigid in any position.



Hydrostatic transmission
The hydrostatic transmission ensures flexibility and ease of use. Coupled with a two-speed gearbox, it allows you to adapt the travel speed to the traction effort. It allows precise and progressive handling of your loads.





3 in 1

One machine for 3 modes : telescopic / basket / suspended loads

Manitou telescopic handlers are true tool carriers on which you can quickly and easily attach the Manitou-approved accessory specifically adapted to your application.

Fork carriages

Tilting fork carriage using ISO forks or floating fork carriage for handling palletised loads on uneven ground.



Jib with Winch

Gain more outreach while turning your MRT into a mobile crane with this extension jib with a hydraulic winch. Direct hook mounting for more speed.



Basket

Open/close in less than 50s. (up to 1000 kg, three people). Easy access with three entry points.



Jib

The indispensable tool for suspended load placement.



Hydraulic winch

Significantly increases suspended load applications. Moulded hook for greater stability. Capacity from 3 to 5t.



Aerial JIB 2

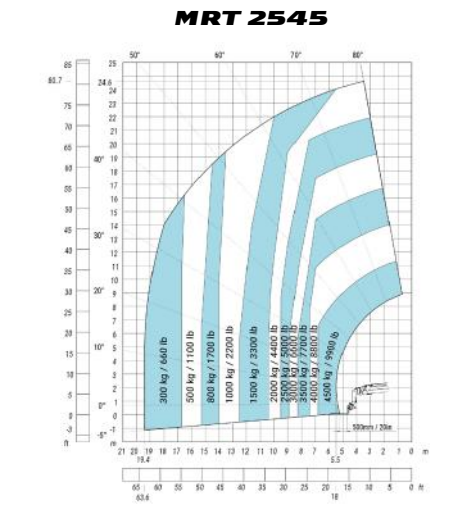
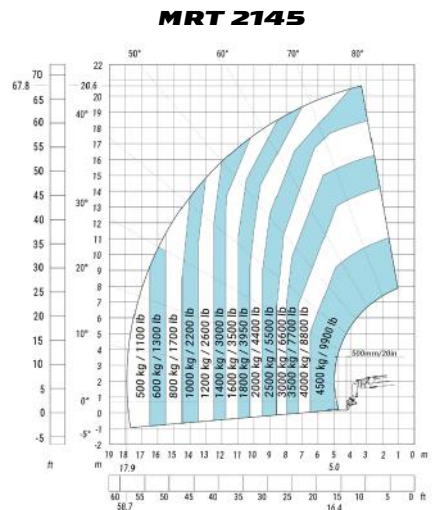
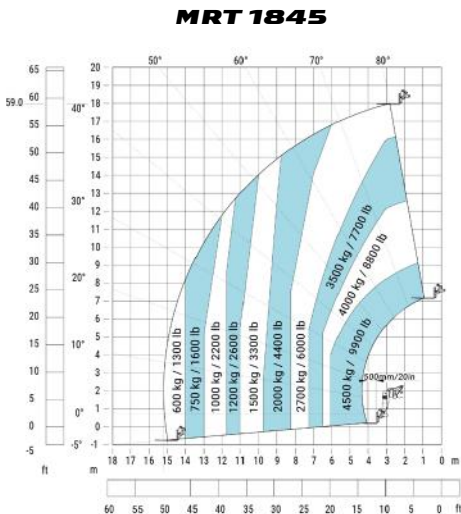
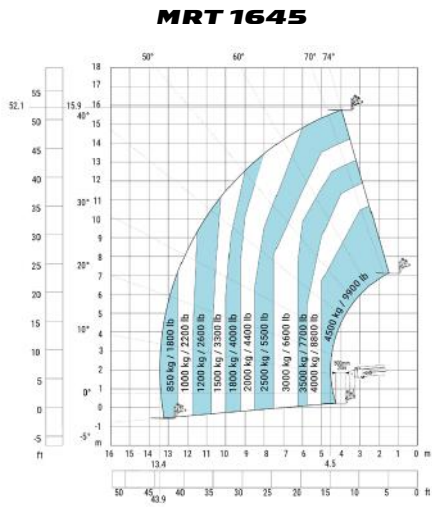
360 rotating & telescopic lifting solution allows work in positive (+9.3m) as well as in negative (-6.4m) with a 200kg capacity including 2 people.



The MRT range is equipped as standard with the **E-RECO** attachment recognition system. It detects and analyses the attachment in place to propose **the corresponding work envelope** and thus help you optimise the machine's working parameters.



	MRT 1645	MRT 1845	MRT 2145	MRT 2545
Max. capacity	4500 kg	4500 kg	4500 kg	4500 kg
Max. lifting height	15.9 m	18 m	20.6 m	24.6 m
Max. Reach	13.4 m	15.2 m	17.9 m	19.4 m
Engine norm	Deutz EU Stage V / US EPA Tier 4	Deutz EU Stage V / US EPA Tier 4	Deutz EU Stage V / US EPA Tier 4	Deutz EU Stage V / US EPA Tier 4
I.C. Engine power rating (ch)	75 hp / 55.4 Kw 116 hp / 85 Kw	75 hp / 55.4 Kw 116 hp / 85 Kw	116 hp / 85 kW	116 hp / 85 kW
Overall width	2.45 m	2.45 m	2.5 m	2.5 m
Overall height	3.04 m	3.04 m	3.04 m	3.04 m
Length to face of forks	6.38 m	6.06 m	6.73 m	7.72 m
Outer turning radius	3.60 m	3.60 m	4.13 m	4.13 m
Ground clearance	0.37 m	0.37 m	0.37 m	0.37 m
Overall weight	13305	14100	14900	15910



A tailor-made solution adapted to your needs

Discover a wide range of options. To access all the options, ask your Manitou contact.

Boom suspension

The system absorbs involuntary movements of the boom while driving, improving driving comfort.

Cameras, boom head and side,

are available to secure your manoeuvres on construction sites.

Heated seat and carpet

for working in difficult situations.

Air conditioning with automatic control

Select your ideal temperature and the air conditioning does the rest.



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.

Your dealer



Scan and discover
more information
on **manitou.com**



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