MRT PRIVILEGE+ Rotating telehandlers

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MANITOU

MANITOU

Handling your World Founded over 60 years A world-leader in all-to

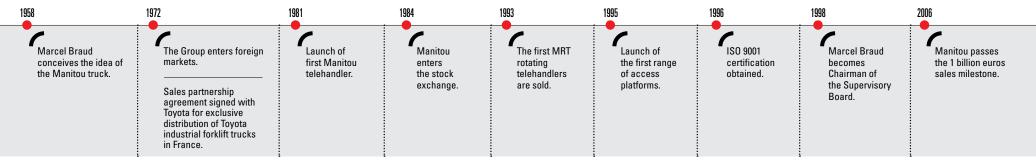
Founded over 60 years ago by the Braud family, the Manitou Group now operates worldwide. A world-leader in all-terrain material handling, the Group designs, manufactures, distributes and services equipment for construction, agriculture and the industrial applications.

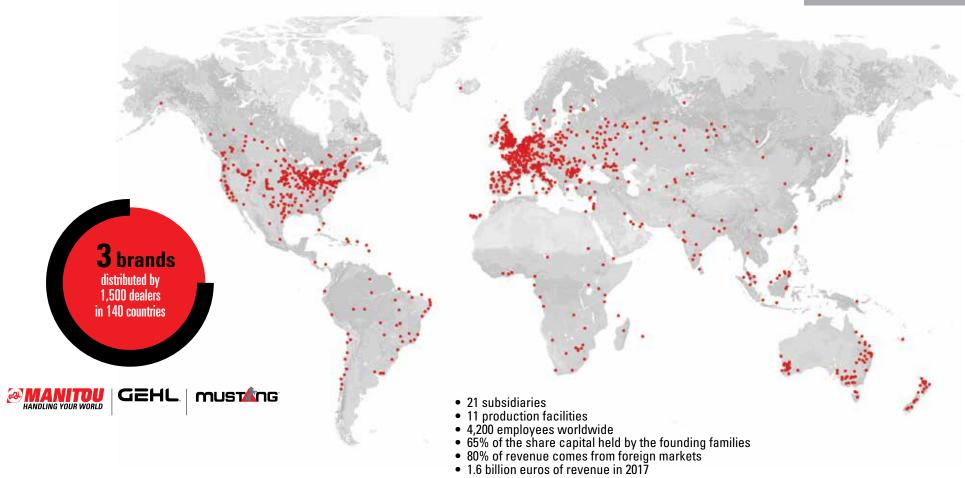
The Group's product ranges include: all-terrain fixed, rotating and heavy-load telehandlers; all-terrain, semi-industrial and industrial masted forklift trucks; wheel or track skid-steer loaders; backhoe loaders; articulated loaders; access platforms; truck-mounted forklifts; warehousing equipment; and attachments.

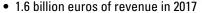
Through its iconic brands - Manitou, Gehl and Mustang - and its worldwide network of 1,500 dealers, the Group offers the best solutions to create optimum value for its customers.

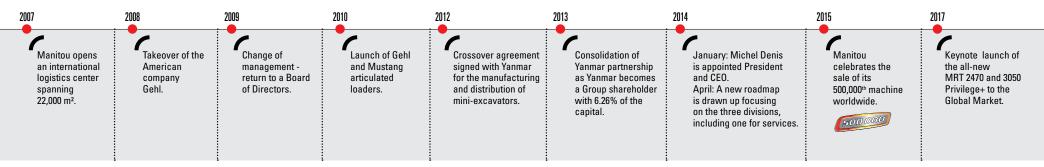
Headquartered in France, the Group registered a revenue in 2017 of 1.6 billion euros in 140 countries and employs 4,200 people, all committed to delivering customer satisfaction.













Manitou's rotating telehandlers a great technological advantage

The Manitou brand presents a new technologic advancement in equipment with the Manitou Rotating Telehandler, better known as MRT.

In 1982, Manitou makes its debut to the world of rotating telehandlers after entering into a distribution agreement with Italy-based manufacturer Fargh.

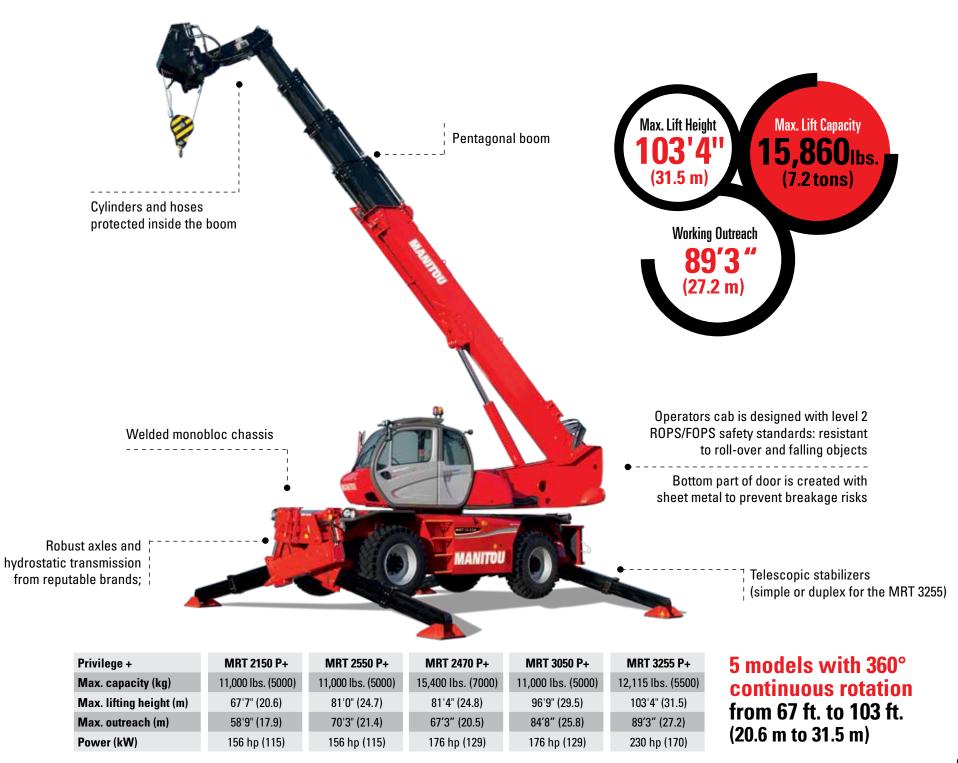
Then, in 1983, Manitou starts trading the 5500 Fargh RTL under the Manitou brand and enjoys great success in the United States. Over the following years, Manitou introduces new models, creating an entire product line.

In 1986, Manitou creates Manitou Costruzioni Industriali S.R.L. in Bologna. The Province of Modena is already well-known for manufacturing sports cars and motorcycles. In 1993, Manitou's first rotating telescopic is created on Manitou premises in Italy building the MRT 1540 (15 m / 4 tonnes) with over 10 years of technical expertise.

Since then, Manitou continues to develop and improve the rotating telehandler. In 2007, the MRT 2150 becomes the world's best-selling rotating telehandler! The Privilege + range brings the best of Manitou technology thanks to world-class load chart performance.

WHAT IS A MANITOU MRT ?

MRT Privilege + machines are all-terrain telehandlers with four-wheel drive and steering and full 360° turret rotation. MRTs are perfectly adapted to operate quickly and efficiently on any work site, maintaining impressive load capacities without the need to move the machine. **Maximize your profits by working with a highly versatile MRT**.





Perfect for all construction applications

Manitou MRT rotating telehandlers are effective tool-carriers with specific attachments that easily adapt for multiple working environments.

Manitou offers a wide range of attachments, specially validated for the MRT machines.

The MRT Privilege+ allows for: precise control of your load, transporting and lifting heavy/bulky loads, and efficient loading and material distribution. Achieve peak operational performance in minimal time from a fixed point.

VERSATILE MACHINES

The MRT concept combines the functions of three machines in one, operating in Telehandler, Winch and Platform modes. These functions can be performed on tires or stabilizers, while providing impressive lift heights and optimal visibily.

Telehandler mode

- Positioning on stabilizers or tires
- Precise load control
- Strong pentagonal boom

Winch mode

• Winch from 6,613 lbs. (3.0 tons) to 15,860 lbs. (7.2 tons) at the boom head (capacity depends on the model)

Platform mode

- Extendable and adjustable man basket with up to 2,200 lbs. (1,000 kg) capacity
- Man basket options up to 19 ft. (6 m) wide
- Up to 142 ft. (43 m) working height with the 3D man basket
- Both positive and negative work positions

Continuous rotation makes your machine more efficient, increasing productivity on the jobsite. Regardless of the attachments used, the MRT Privilege + demonstrates excellent maneuverability and remains completely stable on the ground.





Use the remote control to get a better handle on loads

You can remotely control the machine as if you were in the cab. The remote control has a display screen which shows the state of the machine.

All the functions of the boom and its attachments **can be guided by the radio control** on the ground. The box is also used to control the work platforms.

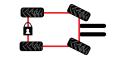






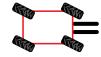


An ultra manageable machine with 3 steering modes



2 WHEEL FRONT STEERING to ensure greater safety on the road

4 WHEEL STEERING to manuever in tight areas



CRAB MODE for sideway operation

HIGH-PERFORMANCE MACHINES FOR MANY SOLUTIONS

The MRT product line has been designed to easily adapt to any situation. Thanks to their hydrostatic transmission, chassis and engine power, the MRTs deliver outstanding performance and precision on all types of terrain.

Hydrostatic Transmission

The hydrostatic transmission ensures effective maneuverability and ease of operation. Combined with a two-speed gearbox, the hydrostatic transmission adapts machine travel speed to the tractive effort. This ensures progressive operation with high precision to safely move and place the load.

Shift-On-The-Fly Transmission

This optional "shift-on-the-fly" transmission will automatically change gear ratios for extra operator comfort. Only available on the MRT 2470 and MRT 3050 Privilege+.

CVT Transmission

The MRT 3255 uses Continuously Variable Transmission (CVT) technology, providing a high level of flexibility when accelerating from 0 to 25 mph (40 kph).

MRT 2470, 3050 and 3255 are equipped with speed control for ease of transport.

Standard Inching Function

The inching function is standard on all MRT models, allowing the operator to increase the speed of boom movements while progressively reducing the machine's forward movement.

Low boom position for greater safety

The bottom position of the boom has been lowered to ensure better visibility on the right side of the machine. This allows the operator to drive the machine safely and more easily on the site.

Chassis designed for maximum strength

The MRT Privilege+ sits on three types of chassis, acting as the main core structure of your machine. Due to the tubular frame design, the chassis allows for maximum strength and rigidity whatever the position of the machine.

The MRT 2470 and 3050 Privilege+ integrates **all electrical and hydraulic lines for full protection and high reliability.** This allows the operator to work in the most challenging environments.

The MRT 3255 Privilege+ chassis provides ultimate operator comfort with hydro-pneumatic suspension.



Pentagonal robust boom built for higher precision

The pentagonal boom offers greater precision and robustness due to the V shape on the bottom of the boom.

The load moment indicator sensors are located at the rear of the boom and completely protected in the event of falling objects.

The MRT Privilège+ models ensure high precision of the boom movements while maintaining lateral rigidity, an essential feature when working in elevated conditions.

Boom movement speeds adapt to the telescopic extension length.





MACHINE CONTROL FOCUSED

Automatic parking brake

The battery-powered automatic parking brake provides **secure operation on all jobsites**. Your machine will not move ... unless you tell it to!

Control of load status

The MRT Privelege+ is fitted with the Manitou Load Management System. It continuously analyzes the position of your load within the working zone and the machine's work configuration. The system manages the working area according to the accessory and the load being handled.

Limitation of movement speeds

According to the working situation, the operator is able to set and store various movement speeds of all active parts of the jib. The machine can also store up to four sets of parameters, which can be useful based on load capacities and heights of the jobsite.

Restrictive working zone

To ensure the safety of repeated handling movements in congested sites, the operator is able to set limits on the working zone to stay within restricted parameters and remain consistant.



Intuitive attachment changing

The MRT Privilege+ range comes standard with the E-RECO attachment recognition system. The system detects and analyzes the attachment to apply the corresponding working range and optimizes the working parameters of the machine. With the various working modes of the MRT Privilege+ jobsite constraints are no longer an obstacle.







MRT 3255 23' 3.5" x 21' 3.5" (7.10 m x 6.49 m)

MRT 3050-2470 20' 6" x 17' 3.5" (6.25 m x 5.27 m)



18' 3" x 17' (5.55 m x 5.19 m)



Quick extension of the stabilizers

All MRT models come complete with Manitou technology which ensures complete stability to work in a safe manner.

- Quick lowering of the stabilizers.
- The MRT Privilege+ stabilizers are long and boost load chart capacity.
- Control the length movement directly on the dashboard.
- The load chart adapts in proportion to the lowered length of the stabilizers.

Save time and increase productivity

Standard stabilizers: 35×35 cm. Optional 60 x 60cm stabilizer composite pads provide 3.5 kg / cm² of ground pressure. You can move the machine without needing to lower the stabilizers.

Adjustable stabilization surface

The stabilizers have a telescopic scissor design enabling the legs to be only partly or fully deployed based on the operating terrain. The machine's capacities are automatically adjusted in this configuration.

Strain gauges

MRT 2470 and 3050 models sit on stabilizers equipped with strain gauges for greater precision in all surfaces.





ASSURED COMFORT

The MRT Privilege+ cab offers a comfortable and safe driver's cab.

All MRT controls are visible and within reach. The attachment and load are completely visible, including through the protective roof. The optional electric tilting seat offers greater comfort when the boom is in the raised position.

The rounded windshield guarantees panoramic views over the upper section.

MRT 2470 and 3050 models are equipped with a new heating system that uses engine heat, reducing cabin noise while increasing visual comfort in the front of the cabin.







Level 2 ROPS/FOPS compliant

The MRT Privilege+ cab is ROPS/FOPS Level 2 certified providing high resistance to rollover accidents and heavy falling objects.

The steps to the cab are wide and evenly spaced. There are several access points around the machine whatever the position of the turret (left and right hand steps, front and rear access ladders).



Machine functions are centralized on the dashboard

All machine functions are centralized on the dashboard for simple and efficient use. All controls and menus are illustrated by icons to make it easier to remember their function and sequence.

The LCD screen (7 or 9 inches according the model) is positioned to the right of the operator to easily read machine information. The screen is intuitive with just a few easy-to-remember menus. Driver assist messages, on-board diagnostics, and dynamic load charts are available on the screen to monitor load position in real time for each model.

Turret rotation

Attachment controls

Driver assistance system and easy control

In case of an operation warning, a message will appear at the bottom of the display screen to alert the attention of the operator.

The cab contains two easy-to-use joysticks to simultaneously control all machine movements including transmission with the integrated F-N-R on the right-hand control.

Each joystick comes with an enabling button. All movements are completely under control with an operator present.



- · Lifting of the load
- Fork angling
- Reversing shift



Easy access to engine components

The MRT engines are mounted on the right side of the chassis. This provides easy access to the main engine components from the ground. The engine hood can be fully opened for quick access to all components.



Easy and safe access to tanks

Fuel, DEF solution and hydraulic oil tanks are easy to access and identify.







A complete range of MRT compatible tools, adapted for the construction market

Simple and rapid coupling

To save you time, the coupling system for Manitou attachments (TS: simple fork carriage with manual or hydraulic locking), is reliable, quick and easy to use.

You can attach and detach your attachments easily.



Re-handling Bucket

Perfect for handling sand, dirt or gravel, the CBR bucket can handle material up to 1.3 cu. yards (990 L) with a width of 96" (2450 mm).



ITA Forks

Tilting fork carriage using ISO forks. Optional backrest and side shift available.



360° Rotating Carriage

Continuous rotation carriage for unmatched flexibility. Constant communication with the machine ensures optimum safety and capacity. 8,800 lbs. (4000 kg) in the front-facing position and 5,500 lbs. (2500 kg) when rotating 360°, up to 15° angle of the boom.



Jib

Tubular extension jib offers the perfect compromise between front outreach and lightness. This is the essential tool for placing suspended loads. The jib offers 3,300 lbs. (1500 kg) capacity with outreach of 9'10" (3m). 1,323 lbs. to 4,400 lbs. (600 to 2000 kg) capacity jibs are also available for the MRT units.



Jib with Winch

The direct hook assembly offers greater speed. 1,323 lbs. to 4,400 lbs. capacities (600 to 2000 kg) are available as well as hook block versions. Hook capacity: 3,300 lbs. (1500 kg).



Hydraulic Winch

The hook block assembly offers greater stability. Designed with a double-line pull winch for improved pulling effort. Includes self-locking hook and standard cable guide for easy operation. 6,600 lbs. to 15,860 lbs. (3T to 7.2T) capacities are available.

MRT PRIVILEGE+ RANGE



Quick Attach Mounted Hook

The compact size standard hook is available for suspended load handling offered at 8,818 lbs (4000 kg) or 13,200 lbs. (6000 kg). Includes self-locking hook.



Fast Expandable Work Platform

Fast opening platform: **opens/closes in less than 50 seconds**. Guaranteed safety and maximum efficiency for all work heights, handling capacites up to 2,200 lbs. (1000 kg). Easy access with three entry points (rail or door depending on the model) and options go up to 19 ft. (6 m) wide.



Two Hook Jib

A popular MRT attachment, the two hook jib offers two separate lifting points, handling capacities at 8,818 lbs. (4000 kg) and 13,227 lbs. (6000 kg). This attachment includes self-locking hooks.



Platform Winch

For panel installation and maintenance of industrial facilities, the platform winch ensures safe elevation of personnel **and also allows suspended loads to be lifted and handled directly from the platform without returning to the ground**. Platform capacity is 1,320 lbs. (600 kg) and winch capacity at 660 lbs. (300 kg).



3D Platform

360

ROTATING CARRIAGE

Personnel elevation solution suitable for work at heights 38'0" (11.6 m) and depths 34'1" (-10.4m) below grade and for performing inspections under bridges using the principal telescopic vertical component, 360° rotation of the secondary arm and a pendular basket. 440 lbs. (200 kg) capacity, approved for up to two people.

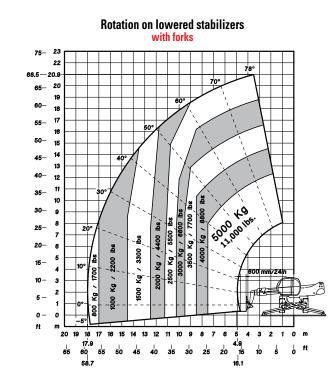
Discover more attachments on manitou.com

MRT 2150

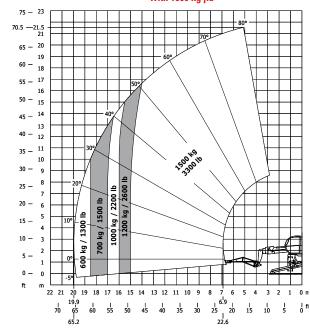


MRT 2150 Technical Data				
Max. capacity / with 7.2 t winch	11,000 lbs. (5000 kg)			
Max. lifting height	68'7" (20.90 m)			
Max. outreach	58'9" (17.90 m)			
Engine brand	Mercedes stage IV / Tier IV			
Power	156 hp / 115 kw			
Laden drawbar pull	18,434 lbf. (8200 daN)			
Overall width	8'2" (2.49 m)			
Overall width (with stabilizers lowered)	18'3" (5.55 m)			
Overall height	10'0" (3.05 m)			
Overall length to carriage	22'6" (6.87 m)			
Ground clearance	13.8" (350 mm)			
Turning radius (over tires)	16'0" (4.88 m)			
Unladen weight (with forks)	39,529 lbs. (17930 kg)			

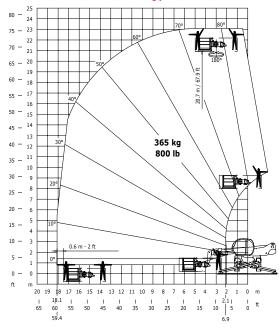
Rough-terrain load chart Standard ANSI/ITSDF B56.6







Rotation on lowered stabilizers with 365 kg platform

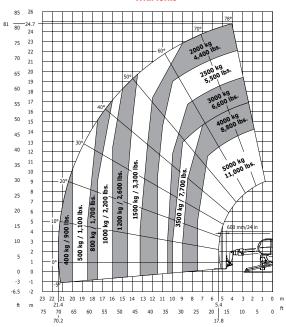




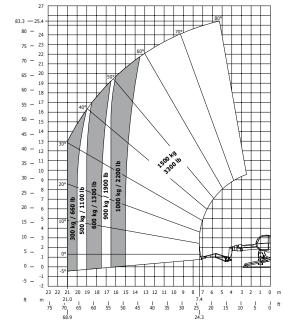
MRT 2550 Technical Data				
Max. capacity / with 7.2 t winch	11,000 lbs. (5000 kg)			
Max. lifting height	81'0" (24.70 m)			
Max. outreach	70'3" (21.40 m)			
Engine brand	Mercedes stage IV / Tier IV			
Power	156 hp (115 kW)			
Laden drawbar pull	18,434 lbf. (8200 daN)			
Overall width	8'2" (2.49 m)			
Overall width (with stabilizers lowered)	18'3" (5.55 m)			
Overall height	10'0" (3.05 m)			
Overall length to carriage	25'9" (7.84 m)			
Ground clearance	13.8" (350 mm)			
Turning radius (over tires)	16'0" (4.88 m)			
Unladen weight (with forks)	41,667 lbs. (18900 kg)			

Rough-terrain load chart Standard ANSI/ITSDF B56.6

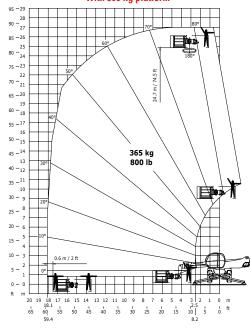
Rotation on lowered stabilizers with forks







Rotation on lowered stabilizers with 365 kg platform

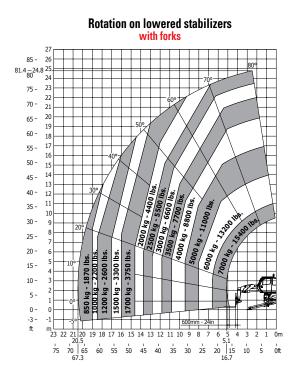


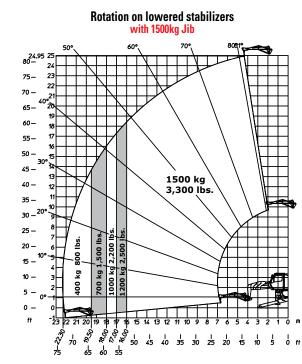




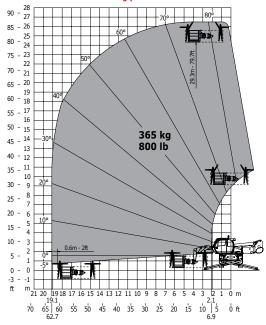
MRT 2470 Technical Data			
Max. capacity / with 7.2 t winch	15,400 lbs. (7000 kg)		
Max. lifting height	80'4" (24.80 m)		
Max. outreach	67'3" (20.50 m)		
Engine brand	Mercedes stage IV / Tier IV		
Power	176 hp (129 kW)		
Laden drawbar pull	21,357 lbf. (9500 daN)		
Overall width	8'2" (2.49 m)		
Overall width (with stabilizers lowered)	20'6" (6.25 m)		
Overall height	10'0" (3.05 m)		
Overall length to carriage	24'9" (7.55 m)		
Ground clearance	14" (350 mm)		
Turning radius (over tires)	21'3" (6.50 m)		
Unladen weight (with forks)	47,972 lbs. (21760 kg)		

Rough-terrain load chart Standard ANSI/ITSDF B56.6





Rotation on lowered stabilizers with 365 kg platform

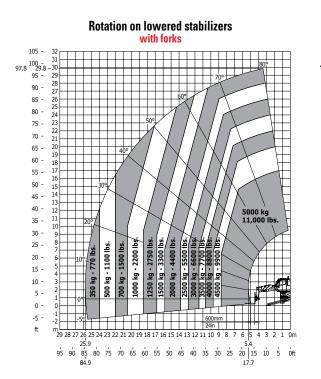


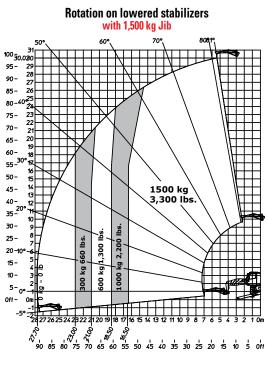
MRT PRIVILEGE+ RANGE



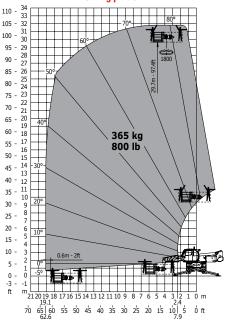
MRT 3050 Technical Data				
Max. capacity / with 7.2 twinchl	11,000 lbs. (5000 kg)			
Max. lifting height	97'9" (29.80 m)			
Max. outreach	84'8" (25.80 m)			
Engine brand	Mercedes stage IV / Tier IV			
Power	176 hp (129 kW)			
Laden drawbar pull	21,357 lbs. (9500 daN)			
Overall width	8'2" (2.49 m)			
Overall width (with stabilizers lowered)	20'6" (6.25 m)			
Overall height	10'0" (3.05 m)			
Overall length to carriage	25'8" (7.82 m)			
Ground clearance	14" (350 mm)			
Turning radius (over tires)	21'3" (6.50 m)			
Unladen weight (with forks)	48,082 lbs. (21810 kg)			

Rough-terrain load chart Standard ANSI/ITSDF B56.6





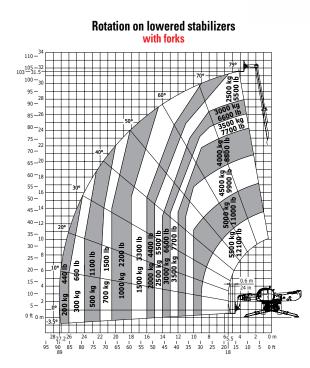
Rotation on lowered stabilizers with 365 kg platform



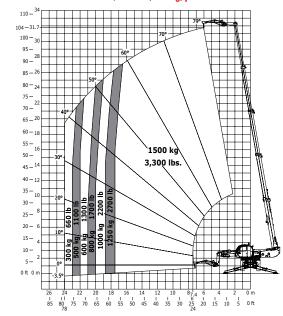


Technical data sheets			
Max. capacity / with 7.2 t winch	12,100 lbs. (5500 kg) / 15,860 lbs. (7200 kg)		
Max. lifting height	103'4" (31.50 m)		
Max. outreach	89'3" (27.20 m)		
Engine brand	Mercedes stage IV / Tier IV		
Power	231 hp (170 kW)		
Laden drawbar pull	23,605 lbf. (10 500 daN)		
Overall width	8'3" (2.50 m)		
Overall width (with stabilizers lowered)	23' 3.5" (7.10 m)		
Overall height	10'6" (3.20 m)		
Overall length to carriage	27'11" (8.50 m)		
Ground clearance	16" (420 mm)		
Turning radius (over tires)	16'1" (4.91 m)		
Unladen weight (with forks)	52, 880 lbs. (23 986 kg)		

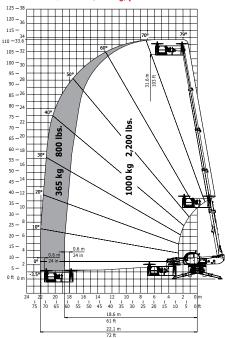
Rough-terrain load chart Standard ANSI/ITSDF B56.6



Rotation on lowered stabilizers with 3,300 lbs. (1500 kg) jib



Rotation on lowered stabilizers with 2,200 lbs. (1000 kg) platform



MRT MODEL FEATURES Standard & Optional













	MRT 2150 / 2550	MRT 2470 / 3050	MRT 3255
General			
Battery cut-off	S	S	S
24 V start-up platform	S	S	S
Internal rear-view mirror	S	S	S
Electric window	S	S	S
Roof screen wiper	S	S	S
Automatic leveling	S	S	S
Automatic stabilization		S	
Restriction of work areas	S	S	S
Reduction in movement speeds	S	S	S
Speed control		S	S
Platform predisposition and radio-control	S	S	S
Comfort			
Air-conditioning	S	S	S
Pneumatic fabric seat	S	S	S
Tilting seat	0	-	0
MP3 car radio	0	0	0
Hydraulics			
Attachment line	S	S	S
Return to tank	S	S	S
Dual function on boom head	-	0	0
Triple function on boom head	0	0	0
Chassis suspension			S
Electricity / Security			
E-Reco	S	S	S
Reverse alarm	S	S	S
Front work lights	S	S	S
Rear work lights	S	S	S
Work lights on the boom	S	S	S
Camera on the boom head	S	S	S
Side camera	S	S	S
Rear camera	S	S	S
Electrical Plug 220V to Boom Tip	0	0	0

Manitou is here to help

Manitou offers a wide range of products and services that cover all your specific needs to maintain a high performing machine throughout the years.



1,500 dealers at your service

The Manitou network **operates in more than 140 countries.** In total, we employ more than 2,000 expert technicians, specially trained in Manitou technology, who are ready to assist you with everything from purchasing to after-sales.





Daily expertise and service

Your **Manitou** dealer offers a complete range of services at all stages of your machine's lifecycle. The dealer will support and adapt to your needs in order to provide the best solution for your requirements.

A CONNECTED MACHINE

Easy MANAGER is a simple and flexible tool to maximize the operational monitoring of your equipment. The option is available at the time of order or an after-sales basis.

Management

See the machine's geographical location and use in real time. **Increase the machine**'s availability by allowing your dealer to carry out remote diagnostics. **Control your budget** by ensuring optimum machine maintenance. Maximize the machine's resale value.

Optimization

Trust the maintenance of your equipment to your dealer, who can access the machine usage data and arrange maintenance operations to suit you. Analyze your equipment's performance using the dashboard and activity reports to optimize its use and fuel consumption.

Security

Protect your equipment against theft and fraudulent use by setting up warnings. **Control access** to your equipment to authenticate users and ensure their safety.









Dealership network

A network of experts at your service, for multiple applications (agriculture, construction, industry).

Maintenance contracts

We offer three levels of contract to meet your needs: Initial, Advanced and Excellence. Rest easy and leave the maintenance to your official Manitou dealer.

Financing

Lease or buy? Manitou Finance helps you choose the most suitable financing solution for your activity. Why look any where else?

Warranty extension

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

The connected solution

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

Second-hand equipment

In the market for second-hand equipment? The Manitou network is here to help. Just visit manitou.used.com, our dedicated reference site for second-hand Manitou machines.

Original spare parts

With more than 70,000 products available, your Manitou dealer offers daily expertise and service!





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