MANITOU, the world’s largest manufacturer of rough terrain forklift trucks, has its roots in a family tradition of innovation and imaginative power. For generations, the Braud family has dedicated themselves to creating innovative products for the lifting and handling markets.

Manufacturing its first truck in 1953, MANITOU is a pioneer in the rough terrain forklift market. By responding to market trends, MANITOU offers a complete line of rough terrain handling equipment adapted to the specific needs and challenges of each industry.

The long history of reliable, relevant equipment has led to more than 300,000 MANITOU rough terrain forklifts operating daily in more than 120 countries. This worldwide presence is backed up by a MANITOU dealer network staffed with trained mechanics and sales specialists to help you with your material handling requirements.

### SUCCESS THROUGH IMAGINATIVE POWER

The MANITOU MRT Series rotating telescopic handlers bring complete versatility to any jobsite. These all-terrain machines combine practicality and performance with their impressive lift heights, optimal visibility, powerful diesel engines and 3-in-1 capabilities with telehandler, winch and platform modes. Paired with a wide variety of attachments, the MRT Series are the right machines for the job.

<table>
<thead>
<tr>
<th>Model</th>
<th>Lift Capacity</th>
<th>Lift Height</th>
<th>Horsepower</th>
</tr>
</thead>
<tbody>
<tr>
<td>MRT 1840</td>
<td>8,800 lbs. (4000 kg)</td>
<td>58'9&quot; (17.9 m)</td>
<td>101 hp (74.5 kW)</td>
</tr>
<tr>
<td>MRT 2150</td>
<td>11,000 lbs. (5000 kg)</td>
<td>67'7&quot; (20.6 m)</td>
<td>150 hp (110 kW)</td>
</tr>
<tr>
<td>MRT 2540</td>
<td>8,800 lbs. (4000 kg)</td>
<td>80'9&quot; (24.6 m)</td>
<td>150 hp (110 kW)</td>
</tr>
</tbody>
</table>

**TRIPLE PERFORMANCE**

- **MRT 1840 EASY 360°**
  - 8,800 lbs. (4000 kg) lift capacity
  - 58’9” (17.9 m) lift height
  - 101 hp (74.5 kW)

- **MRT 2150 PRIVILEGE PLUS**
  - 11,000 lbs. (5000 kg) lift capacity
  - 67’7” (20.6 m) lift height
  - 150 hp (110 kW)

- **MRT 2540 PRIVILEGE PLUS**
  - 8,800 lbs. (4000 kg) lift capacity
  - 80’9” (24.6 m) lift height
  - 150 hp (110 kW)

When utilized as rough terrain telescopic handlers, the MRT Series machines are capable of moving a variety of heavy and loose materials with forks or buckets. A stable platform provided by outriggers, combined with select attachments, allows MRT Series telescopic handlers to lift and place heavy loads. Work platforms provide secure access at elevation with impressive capacity and precise control. A choice of work platforms, using arm or 3D system, offers increased flexibility.
**PERFORMANCE**

- **POWER and PRECISION**

- **TURBOCHARGED**
  150-hp (110 kW) on the Privilege Plus models with 101-hp (74.5 kW) Interim Tier IV engine on the MRT 1840 Easy 360°

- **HYDROSTATIC TRANSMISSION**
  Coupled with a two speed gearbox, this system provides optimum power and control of travel for precise placement of the machine.

- **ECOLOGICAL MODE**
  Engine system automatically adapts itself to the needs of the transmission system, allowing you to significantly reduce fuel consumption during movements.

- **STORE UP TO 4 SPEED PARAMETERS WITH HYDRAULIC FUNCTION SPEED MEMORY**

- **LIFT CAPACITIES UP TO 11,000 lbs (5000 kg)**

- **LIFT HEIGHTS UP TO 80 ft (24 m)**

- **FORWARD REACH TO 60 ft (18 m)**

- **INDUSTRY-LEADING ATTACHMENT RECOGNITION SYSTEM WITH ADAPTIVE LOAD CHARTS**

- **SPACIOUS, ERGONOMIC CAB WITH DUAL-JOYSTICK CONTROLS**

- **HYDROSTATIC TRANSMISSION**
  Coupled with a two speed gearbox, this system provides optimum power and control of travel for precise placement of the machine.

- **STORE UP TO 4 SPEED PARAMETERS WITH HYDRAULIC FUNCTION SPEED MEMORY**

- **INDUSTRY-LEADING ATTACHMENT RECOGNITION SYSTEM WITH ADAPTIVE LOAD CHARTS**

- **HIGH-STRENGTH ALLOY STEEL BOOM**

- **4-WHEEL DRIVE AND OSCILLATING REAR AXLE**

- **360° ROTATION ON ALL MODELS**
STABILITY

**SYSTEMS and STABILIZERS**

**FRAME LEVELING SYSTEM**
Tackle rough or sloping terrain with ease. Simply push a lever to keep your load horizontal.
*Not available on MRT 1840 Easy 360°*

**ADAPTABLE CALCULATOR**
Adjusts the load chart and lifting zones based on the stabilizer position.
*Not available on MRT 1840 Easy 360°*

**FULLY PROTECTED CYLINDERS**

**ADJUSTABLE STABILIZATION**
Telescopic scissor design on the stabilizers enables the legs to be partially deployed when obstacles are present or space is limited.
*Not available on MRT 1840 Easy 360°*

**OPTIMUM SUPPORT**
Enjoy excellent stability on all terrain. The stabilizers form a square when fully deployed, guaranteeing uniform stability regardless of upper structure position.

**QUICK TO POSITION**
Deploy the stabilizers simultaneously or individually at the simple flick of a switch in the cab. To reposition the machine on the site, simply raise the stabilizers and move.

**COMPACT SETUP**
When the pads are retracted, they are automatically integrated into the machine’s body, resulting in no loss of ground clearance.

**EXTRA LARGE BEARING SURFACES ON THE PADS**
*Not available on MRT 1840 Easy 360°*

**LEVEL CORRECTION ON THE FRONT AXLE**

**OSCILLATING AXLE LOCK-OUT SYSTEM**
When the machine is standing on its wheels and the upper structure is rotated by more than 15°, rear axle oscillation is locked out. You can work in safety and retain maximum capacity.
**CONTROLS and ERGONOMICS**

- **LCD WORKING DATA DISPLAY**
  Keep informed on the state of your machine. Identification of the machine’s operating mode (stabilized, frontal on tires, rotation etc.), attachment recognition, hydraulic movement speed selection and more are on an alphanumeric LCD display.

- **STORE UP TO 4 SPEED PARAMETERS**

- **HYDRAULIC FUNCTION SPEED MEMORY**
  According to the working situation and type of work, you are able to store the maximum movement speeds of the boom lift, extend, fork tilt, turret rotation and auxiliary hydraulic function.

- **SHIFTING MADE EASY**
  The drive control is integrated into the right-hand joystick so your hands do not need to leave the wheel to shift the machine.

  *New on the MRT 1840 Easy 360°!*

- **2 JOYSTICKS ARE STANDARD FOR SIMULTANEOUS CONTROL OF ALL MOVEMENTS**

- **COMPLIES WITH ROPS/FOPS SAFETY STANDARDS**

- **ADJUSTABLE SEAT AND STEERING WHEEL**

- **CAB OPTIONS**
  Self-cleaning step, wide door for easier access, tilting seat, clear comprehensive dashboard and electric windows.

- **INTUITIVE HANDLING**
  Two electro-hydraulic joysticks are fitted to the armrests and are always within reach, regardless of seat position.

- **REMOTE CONTROL**
  Machine can be controlled from a distance to provide additional versatility. It can also be used to work with your machine in platform mode.

- **FULL VISIBILITY**
  The contoured design of the windscreen provides a panoramic view through the upper part of the cab. Front, rear and roof wipers are fitted as standard for optimal visibility in wet weather.

- **CAMERA VIEW (OPTIONAL)**
  Perform close maneuvers without compromising safety. Lateral and rear cameras are also available to increase visibility to areas of the machine that are difficult to view.
PROTECTION

SAFETY and SERVICEABILITY

RESTRICTIVE WORKING AREA
To ensure the safety of your repeated handling movements in congested sites, you can limit the operational area of the machine, restricting the lift height and front and side distance.

AUTO DIAGNOSIS
Displays the state of the machine on the screen. In the event of a problem, this device switches to safe state and prevents all movements. The faulty component is displayed on the screen in order to minimize machine downtime.

MANITOU LOAD SYSTEM
Continuously analyzes the position of your load in accordance with the machine’s work configuration. The system restricts the working area based on the accessory used and load being handled.

CHAIN TENSION BALANCER
Tension is split equally between the chains. A hard-wired sensor system continuously checks the state of the chains.

SAFE, RELIABLE BRAKING
Oil-bath multiple-disc brakes are integrated into the axles for precise machine stopping.

SIMPLIFIED ACCESS
The engine positioned to the side of the chassis allows easy access from three sides. The air filter and battery are accessible through a hood at the rear of the chassis.

EXTERNAL HYDRAULIC HOSES
Hydraulic hoses are positioned on the outside of the boom for quicker maintenance access.

SAFE, RELIABLE BRAKING
Oil-bath multiple-disc brakes are integrated into the axles for precise machine stopping.

AUTO DIAGNOSIS
Displays the state of the machine on the screen. In the event of a problem, this device switches to safe state and prevents all movements. The faulty component is displayed on the screen in order to minimize machine downtime.

ELECTRICAL CIRCUIT PROTECTION
The entire electrical installation and all components (printed circuit boards, fuse boxes and connections) are rated IP67, ensuring that they are dust free and watertight.
**VERSATILITY**

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**TELEHANDLER**  **WINCH** &  **PLATFORM**  **MODES**

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**ITALIAN FORK CARRIAGE**
Equipped with forks that meet the FEM classification (ISO2328), it suits all pallet load handling tasks. Options include load backrest, fork extension and side shift carriage.

**FLOATING FORK CARRIAGE**
Designed for placing materials on uneven surfaces, its integrated backrest optimizes the stability of the load.

**BUCKETS**
Ideal for bulk handling, specifically sand, gravel and other light materials, various buckets are available to suit your applications.

**JIBS**
With short lift hook or longer jibs with hooks to choose from, you are sure to find the jib to meet your requirements for lifting, positioning, or placing loads.

**WINCH**
Providing additional flexibility, the single winch can be mounted on the boom tip for transportation and storage on your worksites.

**STANDARD PLATFORM**
Available in 805 lbs. (365 kg) or 2,205 lbs. (1000 kg) versions. Rotating and extendable.

**AERIAL JIB PLATFORM**
With an extra telescopic rotating arm, it allows you to extend the platform 21 feet (6.4 m) horizontally or vertically, or to work below wheel level (for example, working below grade).

**SPECIAL PLATFORM**
3D platform or raised platform for working inside buildings.

**OTHER ACCESSORIES**
Concrete Buckets
I-Beam Clamps

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**RECOGNITION OF ACCESSORIES**
The MRT Series machines are fitted, as standard, with a recognition system which identifies and analyzes the accessory tool fitted and assigns the appropriate load chart.

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**MRT SERIES FEATURES**

<table>
<thead>
<tr>
<th>Feature</th>
<th>MRT 1840 EASY 360°</th>
<th>MRT 2150 PRIV. +</th>
<th>MRT 2540 PRIV. +</th>
</tr>
</thead>
<tbody>
<tr>
<td>360° Continuous Rotation</td>
<td>●</td>
<td>●</td>
<td>●</td>
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<tr>
<td>Return to Tank</td>
<td>●</td>
<td>●</td>
<td>●</td>
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<tr>
<td>Enclosed Cab with Heat &amp; A/C</td>
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<tr>
<td>Front/Rear Wipers and Washers</td>
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<td>●</td>
<td>●</td>
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<tr>
<td>Roof Wiper</td>
<td>●</td>
<td>●</td>
<td>●</td>
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<tr>
<td>Cloth Seat</td>
<td>●</td>
<td>●</td>
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<tr>
<td>Rear View Mirror</td>
<td>●</td>
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<td>●</td>
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<tr>
<td>Front/Rear Work Lights</td>
<td>●</td>
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<tr>
<td>Road Lights</td>
<td>●</td>
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<tr>
<td>Rotating Light</td>
<td>●</td>
<td>●</td>
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<tr>
<td>Boom-mounted Work Lights</td>
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<tr>
<td>Audio Warning Back-up Alarm</td>
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<tr>
<td>Sunscreen Roof and Windshield</td>
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<tr>
<td>Boom Angle</td>
<td>●</td>
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<tr>
<td>Frame Level Indicator</td>
<td>●</td>
<td>●</td>
<td>●</td>
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<tr>
<td>Boom Extension Decals A-B-C-D-E</td>
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<tr>
<td>Battery Cut-Off in Engine Compartment</td>
<td>●</td>
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<td>●</td>
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<tr>
<td>Automatic Stabilizer Leveling</td>
<td>●</td>
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<td>●</td>
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<tr>
<td>Work Platform Predisposition</td>
<td>●</td>
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<td>●</td>
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<tr>
<td>Remote Boom Control</td>
<td>●</td>
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<tr>
<td>Remote Boom Control - Battery Charger</td>
<td>●</td>
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<tr>
<td>E-RECO Attachment Recognition System</td>
<td>●</td>
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<tr>
<td>7” (178 mm) Color Control Display</td>
<td>●</td>
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<tr>
<td>Restrictive Work Zone System</td>
<td>●</td>
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<tr>
<td>Hydraulic Function Adjustment System</td>
<td>●</td>
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<tr>
<td>F-N-R Directional Control on Joystick</td>
<td>●</td>
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<tr>
<td>Windshield Protector - Front Window</td>
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<tr>
<td>Emergency Brake</td>
<td>●</td>
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<tr>
<td>Cold Weather Package</td>
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<td>●</td>
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<tr>
<td>Radio/CD</td>
<td>●</td>
<td>●</td>
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<tr>
<td>Stabilizer Pads (4)</td>
<td>●</td>
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<td>●</td>
</tr>
<tr>
<td>Tool Box</td>
<td>●</td>
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<td>●</td>
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<tr>
<td>Telma Brake System</td>
<td>●</td>
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<tr>
<td>Video Camera System</td>
<td>●</td>
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</tr>
</tbody>
</table>

- ● Standard
- ○ Optional
MRT 2540 PRIVILEGE PLUS ROTATING TELESCOPIC HANDLER LOAD CHARTS

Frontal Position on Tires with Forks

Rotation on Partial Stabilizers with Forks

Frontal Position on Tires with 3 Ton Winch

Rotation on Partial Stabilizers with 3 Ton Winch

Rotation on Stabilizers with Forks

Rotation on Tires with Forks

Rotation on Stabilizers with 3 Ton Winch

Rotation on Tires with 3 Ton Winch
### Lift Capacity (kg)
- MRT 2150 Privilege Plus: 11,000 lbs (5000)
- MRT 2540 Privilege Plus: 8800 lbs (4000)

### Max. Lift Height (m)
- MRT 2150 Privilege Plus: 67’7” (20.6)
- MRT 2540 Privilege Plus: 80’8.5” (24.6)

### Capacity at Max. Lift Height (kg)
- MRT 2150 Privilege Plus: 5500 lbs (2500)
- MRT 2540 Privilege Plus: 3800 lbs (1750)

### Max. Forward Reach (m)
- MRT 2150 Privilege Plus: 59’5” (18.11)
- MRT 2540 Privilege Plus: 60’8” (18.5)

### Cap. at Max. Forward Reach (kg)
- MRT 2150 Privilege Plus: 1320 lbs (600)
- MRT 2540 Privilege Plus: 800 lbs (400)

### Engine
- Manufacturer: Mercedes-Benz
- Power (kW): 150 hp (110)
- Aspiration: Turbocharged
- Model: OM 904 LA
- Rated Speed: 2200 rpm
- Torque (Nm) @ rpm: 428 ft.-lbs (580) @ 1200 to 1600

### COMPONENTS
- Transmission: Hydrostatic with Automatic Power Regulation (variable displacement pump and motor with control inching)
- Max Travel Speed (km/hr): 22.4 mph (36)
- Selective Steering: 2-Wheel, 4-Wheel, Crab
- Service Brake: Multiple disc brakes hydraulic front and rear axles
- Parking Brake: Hydraulic Front Axle
- Axles: Automatic Rear Axle Locking System at a Rotation Over 15°

### Hydraulic System
- Pump Type: Gear Pump
- Total Capacity (L/min): 42 gpm (160)
- System Pressure (bar): 3916 psi (270)

### General Specifications
- Approximate Weight (kg): 35,483 lbs (16095)
- Length - Less Forks (m): 21′3.5″ (6.49)
- Width (m): 8′0" (2.43)
- Ground Clearance (m): 15° (0.37)
- Wheelbase (mm): 9′0" (2750)
- Turning Radius - Outside Tire (m): 13′3″ (4040)
- Overall Height (m): 10′4" (3.11)
- Standard Tires: 18 x 22.5 16PR
- Drawbar Pull (daN): 18,434 lbf (8200)

### Fluid Capacities
- Cooling System (L): 4.75 gal. (18)
- Engine Oil (L): 4 gal. (15)
- Hydraulic Oil (L): 55.5 gal. (210)
- Fuel Tank (L): 58 gal. (220)

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This publication in no way constitutes an offer and the company reserves the right to alter specification without notice.