

Manitou Introduces New, Updated Telehandlers in North America



Manitou's rotating MRT 1840 Easy Telehandler

Manitou's MRT Series is designed to meet the needs of rental companies and contractors in construction applications with space constraints. The updated MRT Series includes the MRT 1840 Easy 360-degree, MRT 2150 Privilege Plus and MRT 2540 Privilege Plus.

The MRT 1840 Easy 360 is powered by a 101-HP Perkins Interim Tier IV-certified turbocharged engine while the MRT 2150 Privilege Plus and MRT 2540 Privilege Plus are powered by 150-HP Mercedes-Benz EPA Tier III turbocharged engines. The engine automatically adapts itself to the needs of the transmission system. This design reduces fuel consumption by matching engine output to the machine's operation, Manitou said. The two-speed hydrostatic transmission in all models provides power and control for precise placement of the machine. The MRT Series models feature 4-wheel drive and oscillating rear axles.

With a lift height of 80 feet and 8.5 inches on the MRT 2540 Privilege Plus, operators can move materials to high buildings and structures and elevate work. Lift capacities are 11,000 pounds (5,000 kg) on the MRT 2150 Privilege Plus and 8,800 pounds (4,400 kg) on the MRT 1840 Easy 360 and MRT 2540 Privilege Plus models.

The new E-RECO – Automatic Attachment Recognition – system comes standard on the MRT Series. The system automatically senses the attachment when correctly installed and assigns the correct load chart and safe operation zones. This allows the operator to know the lift capacities of the attachments he/she is using around the jobsite.

Front and rear stabilizers come standard on the MRT Series. A telescopic scissor design on the Privilege Plus models allows the legs to be partially deployed when obstacles are present or space is limited. When the stabilizers and pads are retracted, they are integrated into the machine's body. There is no loss of ground clearance or addition to machine width, Manitou said. An adaptable calculator adjusts the load chart and lifting zones based on the position of the stabilizers.

For increased safety, an oscillating axle lock-out system engages when the machine is standing on its wheels and the upper structure is rotated by more than 15 degrees, allowing work to be completed with a larger area of stability for the machine.

The SEAA ENews Newsletter



401 E. 4th St., Suite 204
Winston-Salem, NC 27101

336-294-8880

www.sea.net

A spacious, ergonomic cab is equipped with two electro-hydraulic joysticks that control boom extension, turret swing, accessories, load lifting and fork tilting. The two joysticks allow simultaneous control of all machine movements. The armrests, steering wheel and seat are fully adjustable. An optional incline seat on the Privilege Plus models reclines the seat up to 13 degrees for operator comfort as the boom rises. Air conditioning and a full light package--work lights, road lights and beacon--are all included.

All machine information is incorporated into an alphanumeric LCD control display that monitors axle alignment, steering selection, load levels, working zone limits, stabilizer mode and more. Hydraulic-function speed memory allows an operator to store maximum movement speeds of the boom lift, extend, fork tilt, turret rotation, and auxiliary hydraulic function. This allows the operation of the machine to be tailored to the working conditions and application.

The optional remote control feature allows the MRT Series Telescopic Handlers to be controlled from a distance for additional versatility. For additional operator visibility, the optional video camera view allows visibility to areas of the machine that are difficult to view. The engine positioned to the side of the chassis allows for easy access from three sides. The air filter and battery are accessible through a hood at the rear of the chassis. External hydraulic hoses are positioned on the outside of the boom for quick maintenance access. Periodic maintenance and diagnosis display allows an operator to easily monitor machine maintenance.

“The MRT Series Rotating Telescopic Handlers provide a unique solution to congested, urban jobsites where traditional telescopic handler use is difficult,” said Steve Kiskunas, Manitou Americas Telescopic Handler Product Manager. “With the telehandler, winch, and platform modes, the MRT Series provide exceptional versatility to customers. One machine can complete the work of many. With the new E-RECO attachment recognition system and hydraulic speed memory features, operation by multiple users is easy.”