



TREEMME MM350X

 **TREEMME**
MERLO GROUP

MM350X - FEATURES

ENGINE

Deutz 6 -cylinder turbo diesel intercooler common rail, 250 kW, 2300 rpm, displacement 7.8 l, Stage V, liquid-cooled, electronic rpm control, on silent blocks.
Air flow inversion for dust removal from the radiator grille.

TRANSMISSION

Hydrostatic, with variable displacement pump and motor, electronic control, two-speed gearbox with electro-hydraulic engagement control.

Two displacement systems:

- 1) Automotive road type. Combined variation of engine rpm and forward speed through accelerator pedal;
- 2) Work. Engine rpm control by hand accelerator and forward speed control by accelerator pedal or potentiometer on joystick.

Speed:

1st speed (hare): 0-40 km/h forward/reverse;

2nd speed (turtle): 0-15 km/h forward/reverse;

3rd speed (duble turtle): 0-5 km/h forward/reverse in Work mode only.

STEERING

Four different steering modes:

- on front wheels
- pivot steering
- crab steering
- on the rear wheels (OPT)

DRIVE

Permanent 4-wheel drive

AXLES

Front axle: Dana 223 type, fixed with reducers, built-in steering cylinders and planetary gearboxes.

Rear axle: Dana 223 type, oscillating with reducers, built-in steering cylinders and planetary gearboxes.

Full lock of the two electro-hydraulically controlled differentials.

SERVICE BRAKE

Wet discs, acting outside the differentials.

Foot pedal control, with double pump in the cab for dual circuit brake booster control.

PARKING BRAKE

Negative type, with hydraulic control, acting outside the differential of the front axle.

CHASSIS

High-resistance steel

TANKS

Hydraulic oil 280 l, with cooling.

Diesel 350 l.

Coolant 50 l.

Engine oil 19 l.

Urea 50 l.

SERVICE HYDRAULIC SYSTEM

No. 1 "Load Sensing" pump for auxiliary controls.

Operating pressure: 230 bar. Flow and return filters.

Handler and 3rd point boom on proportional control distributor.

No. 1 Service line on ON-OFF control distributor.

FRONT TOOLBOX TRANSMISSION

Hydraulic with closed loop variable displacement pump.

Maximum flow rate 500 l/min.

Maximum valve calibration pressure 420 bar.

CAB

ROPS/FOPS and OPS type-approved structure, insulated with anti-noise and anti-heat internal linings, fitted on silent blocks and hydraulically tiltable. 360° panoramic visibility. Continuous display of machine tilt angles. Joystick-type controls, with capacitive manipulator positioned on the right armrest of the seat. Courtesy LED light. Automatic air conditioner. Heating and ventilation. Pneumatic seat, adjustable in height and longitudinally, equipped with safety belts and armrests. Anti-shutter windscreen, transparent side windows in anti-shatter polycarbonate. Built-in LED work lights (4 at the front and 4 at the back). External removable rear-view mirrors. Removable bayonet mount rotating beacon. Front wiper. Radio. Safety hatch integrated in roof and rear window.

ELECTRIC SYSTEM

Voltage = 24 VDC - Batteries = no. 2 12VDC x 75 Ah (975 CCA minimum) - Generator = 100 A.

STANDARD TYRES

600/55-26.5 Trelleborg Twin Forestry T440, forest profile, reinforced discs, inflation valve protection.

FRONT TOOLBOX

Hydraulically operated handler, selectable in D.A/S.A. function, rigid with category 3 articulated couplings, Lifting force 4500 kg.
No. 1 double acting proportional service line, no. 1 ON/OFF service line.
Lift height: 1100 mm.

DEVICES AND ACCESSORIES ON REQUEST

Rigid rear handler, category 2 automatic couplings, lifting force: 3.500 kg.
Rear pull winch with towing force of 12.5 tonnes.
Rear pull winch + blade with towing force of 12.5 tonnes.
Rear axle oscillation lock.
Hydraulic trailer braking 20 tonnes.
Floating function and S/A of the front handler that can be operated by means of a push button on joystick.
Right side wiper.
Double-layer glass windscreen and Right and rear side windows, heated. External heated rear-view mirrors.
Second removable beacon.
Arctic climate starting device (engine coolant preheating).
Use of biodegradable hydraulic oil, type Panolin HP46.
Air compressor for cleaning radiators.
Cab pressurisation.
Automatic fire extinguishing system.
Rear-view camera.

UNLADEN WEIGHT

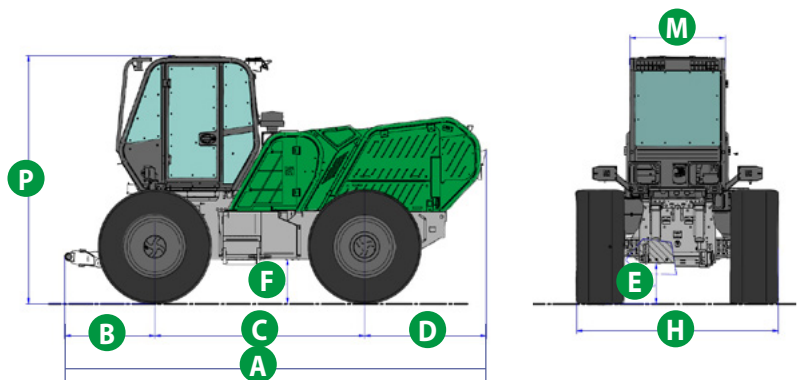
MM350X: 9.500 kg.

TYPE APPROVALS AND CERTIFICATIONS

Tractor according to Directive 167/2013-Mother Regulation.
Forestry machine according to ISO 11850.

DIMENSIONS

	MM350X	
A (mm)	5690	
B (mm)	1140	
C (mm)	2800	
D (mm)	1750	
E (mm)	465*	
F (mm)	490*	
H (mm)	2470*	
M (mm)	1200	
P (mm)	3070*	



* dimensions E, F, H, P with TRELLEBORG 600/55-26,5 TWIN FORESTRY T440 wheels.



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