

SERIE X  
0820 EN



# TOOL CARRIERS X SERIES



**TREEMME**  
MERLO GROUP

# Tool carriers X Series

For all those who need versatile, high-performance, and user-friendly machines.

These machines are ideal in forestry and forest management.

Thanks to the wide range of attachments, these machines are extremely versatile and can endure the harshest working conditions. Due to their 360° visibility and their incredible manoeuvrability, they are ideal for those companies in which uncompromised quality is a priority.

Their compact size allows them to be used in narrow places, while their performance is really top class.

- ✓ **Front three-point linkage**
- ✓ **Front hydraulic PTO**
- ✓ **6-cylinder engines delivering up to 250 kW (335 HP) Tier IV Final**
- ✓ **Electronically managed hydrostatic transmission with 36 kph maximum speed**
- ✓ **Permanent four-wheel drive and four-wheel steering with three modes**
- ✓ **Cab compliant with Rops/Fops standards, with homologated shock-resistant transparent panels**
- ✓ **Hydraulic system with a Load-Sensing pump**





### Hydraulic winch or three-point linkage 2

A radio-controlled hydraulic winch can be fitted in the rear part of the machine. Its load capacity ranges from 7.5 tons to 12 tons depending on the models.



### Four steering modes

The four driving wheels are all steered with a hydraulic power steering system. The operator has a choice of four steering modes (front-wheel steer, all-wheel steer, crab steer, and rear-wheel-only steer, option).



Front-wheel steer



Rear-wheel-only steer



All-wheel steer



Crab steer

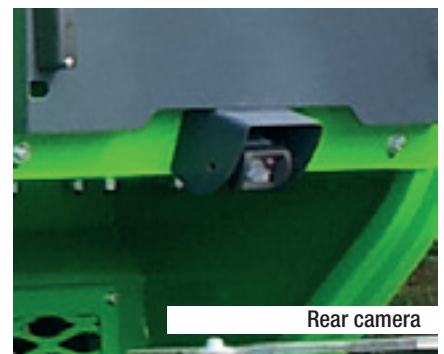
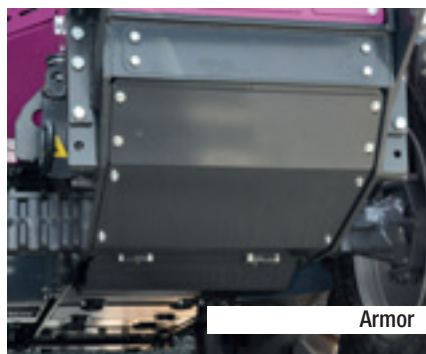
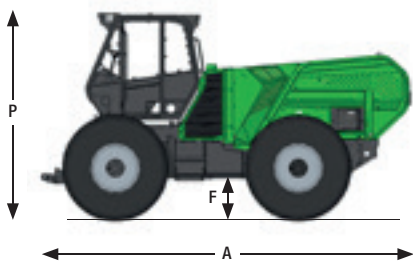
# Technical data

MODELS	MM 200 X	MM 250 X	MM 350 X
Weight (kg)	7800	7800	9200
Low-emission engine Tier IV Final	Deutz 6.1 Common rail	Deutz 6.1 Common rail	Deutz 7.8 Common rail
Power (kW/HP) – Cylinders (no.)	147/200 - 6	180/245 - 6	250/335 - 6
Maximum speed (kph)	40	40	36
Reversible cooling fans	●	●	●
Hydrostatic transmission	●	●	●
Diesel tank	260 l	260 l	340 l
Coolant tank	32 l	32 l	60 l
Engine oil tank	16 l	16 l	18 l
AD-blu tank	32 l	32 l	50 l
Main hydraulic system	Load Sensing pump	Load Sensing pump	Load Sensing pump
Electrical system	75 Ah - 24 V	75 Ah - 24 V	75 Ah - 24 V
Permanent four-wheel drive	●	●	●
Four-wheel steering	●	●	●
Oil-immersed disk service brakes	●	●	●
Automatically locking parking brake	●	●	●
ROPS/FOPS cab with air conditioning system	●	●	●
Grammer seat with pneumatic suspension	●	●	●
Grammer Actimo XXL seat	○	○	○
Cab shock-resistant transparent panels	●	●	●
Eight working lights on the cab (4 front + 4 rear)	●	●	●
Commande joystick proportionnel	●	●	●
Front three-point linkage (4,200 kg)	●	●	●
Rear rigid three-point linkage (3,500 kg)	○	○	○
VSS attachment plate	○	○	○
Front hydraulic PTO	285 l/min- 420 bar	285 l/min- 420 bar	500 l/min- 420 bar
Two rear hydraulic connections	○	○	○
Hydraulic winch with remote control	○	○	○
Rear-axle oscillation lockout	○	○	○
Front/rear differential locking device (100%)	●	●	●
24 V electrical service	●	●	●
Tyres	500/70-28 Nokian	500/70-28 Nokian	600/55-26.5 Nokian
Biological oil kit	○	○	○
Fire protection kit	○	○	○

● As standard. ○ On request.



## Dimensions



MEASURES	MM200X	MM250X	MM350X
A (mm)	5050	5050	5650
F (mm)	530	530	530
H (mm)	2400 - 2550*		
M (mm)	1200**		
P (mm)	3000	3000	3050



\* Tyres Nokian Forest Rider 600/60 R28

\*\* Useful interior width

# Technological advantages

The steel structure of these tool carriers is the indestructible framework on which a high-tech working system is built. The chassis is reinforced with high-efficiency armour platings in its most vulnerable areas, and it enhances both stiffness and strength thanks to its exclusive torsion-free design: this results in a range of machines that prove extremely efficient and robust in any application, particularly in the harshest conditions. The hydraulic operation of the attachments offers countless advantages over conventional systems in which mechanical devices are used.

The attachments can work in positions that are well beyond the maximum permissible angles ensured by cardan shafts, and there are no break-prone mechanical parts. As a consequence, any kickback effect on the kinematic chain is avoided. In addition to that, the driver can reverse the rotation direction of the attachment with a simple electro-hydraulic control in the cab.

- ✓ Innovative torsion-free chassis with high-efficiency armour platings
- ✓ High ground clearance for extreme off-highway applications
- ✓ Low centre of gravity for greater stability
- ✓ Wide range of attachments available





### Tool-holding system by Merlo: many machines in one

Countless hydraulically operated attachments allow these machines to be used in forestry, road and railroad maintenance ensuring great effectiveness and profitability.

Attachments include: mulchers for the creation and maintenance of fire barriers and of areas having a required minimum distance from high-voltage lines and gas pipes, systems for the reclamation of stony areas, tree stump removal systems to remove roots after cutting trees, chippers to crush biomass wood, machines for soil preparation and reconditioning, long-reach bush cutters for road verge cleaning and tree pruning, as well as many other cutting-edge implements.

All attachments can be equipped with quick-coupling hydraulic connections.





*The data, features and illustrations contained in this document are for indicative purposes only, and are not binding. Merlo Spa pursues a policy of continual research and development, and as such, our products may feature characteristics that differ from those described or may be subject to modification without prior notice. The products illustrated may include optional equipment.*



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