



ABO
Deman



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HEAVY-DUTY SNOW BLOWER VEHICLE

Design Philosophy



Smart Design – Zero Clogging

The MAK 540-30 eliminates one of the key problems in snow removal. Where conventional snow blowers clog due to excessive snow volume, the MAK maintains uninterrupted operation thanks to the Automatic Load Control System (ALC).



Adaptive Cruise Control – Automatic Load Control

The operator focuses solely on steering, while the ALC system automatically manages load and speed. The auger load is monitored in real time, dynamically adjusting the vehicle's forward motion so that the snow blower consistently operates at its optimal power point, ensuring maximum performance and uninterrupted operation.

Certification & Manufacturer's Warranty



As the **OEM manufacturer** of the complete vehicle, we ensure full compatibility and reliability across all subsystems. Our build quality is backed by a **2-year manufacturer's warranty**.



Full Compliance: The machine is equipped with an official **ME Type Approval** issued by the Ministry of Infrastructure & Transport, along with all required **CE Declarations of Conformity** for both the vehicle and the snow blower.

"See the MAK 540-30 in action"

Scan the QR code to watch the video





MOBILITY & MANEUVERABILITY

- ✓ **Chassis:** ABO-DEMAN 4x4x4 (permanent all wheel drive, active four wheel steering, and crab steering).
- ✓ **Turning Circle Radius:** 6.2 m (measured curb-to-curb with the snow blower attached), delivering exceptional maneuverability.
- ✓ **Track Width:** 1860 mm for maximum stability.
- ✓ **Tires:** 400/70R20 type, with a load capacity of 6700 kg per axle at 50 km/h.

POWER & DRIVETRAIN OPERATIONAL SAFETY

- ✓ **Engine:** IVECO CURSOR Euro-3, delivering a maximum output of 540 HP.
- ✓ **Drivetrain System:** Fully hydrostatic transmission for both wheel propulsion and snowblower operation, featuring DANFOSS precision control.
- ✓ **Intermediate Gearbox:** 2-speed unit with gear ratios of 1:1 and 3.628:1 (High/Low range).
- ✓ **Axes:** Heavy-duty 6700 kg front and rear axles, equipped with differential locks for maximum traction.
- ✓ **Cabin:** Capacity for 6 occupants (Driver, Co-driver, and 4 additional seats).
- ✓ **Braking System:** Modern disc brakes on both front and rear axles.
- ✓ **Weights:** Unladen weight 8900 kg, with a maximum Gross Vehicle Weight of 13400 kg.
- ✓ **Heating System:** 4 kW capacity, Eberspächer Airtronic D4 type.

SNOW-REMOVAL SYSTEM

- ✓ **Snow Blower:** WESTA 1050 / 3000 (Made in Germany).
- ✓ **Technology:** 2-stage cutting and discharge system.
- ✓ **Working Width:** 3000 mm.
- ✓ **Snow-Clearing Capacity:** Impressive throughput of 4000 t/h.



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