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Ladog E1250

Multipurpose transporter

The Schmidt Ladog E1250 combines the compact design and versatility of the Ladog T1250 with a powerful electric drive. The permanent all-wheel drive ensures optimum traction, while the high torque enables powerful, smooth acceleration. With quiet drive noise and a charging time of approx. 1 hour to 100%, it is the perfect solution for municipal tasks with a focus on sustainability.

Highlights

- Purely electrically powered transporter **for emission-free work**
- **Compact dimensions with high manoeuvrability** for tight urban areas
- Robust permanent all-wheel drive with **up to 90 kW peak power**
- Year-round use thanks to **versatile attachment options** such as washing systems, watering systems or front sweeping brushes
- A **wide range of equipment drives** for maximum flexibility when choosing attachments and mounted implements

Your benefits

- **Working sustainably:** Emission-free operation for environmentally conscious working
- **Flexible use:** Suitable for a wide range of municipal tasks, can be used anywhere
- **Quiet operation:** Ideal for use in noise-sensitive areas or at unfavourable times
- **Less maintenance:** Maintenance-free electric drive reduces downtime and costs
- **High efficiency:** Maximum performance with minimum effort and low energy consumption

Performance features

Electric drive

The Schmidt Ladog E1250 is equipped with a permanently engaged synchronous motor that delivers 60 kW continuous and 90 kW peak power. The energy comes from lithium-ion battery packs with a total capacity of 80 - 120 kWh. This means that even demanding jobs can be completed emission-free and almost silently.

Power is transmitted to all four wheels via the tried-and-tested Ladog transfer case. The permanent all-wheel drive with self-locking differentials on the front and rear axles, and a fully lockable central differential ensure high traction on any terrain. The stepless acceleration and high torque from the first revolution enables smooth, powerful driving behaviour - even under load.

An integrated onboard charger allows charging via a type 2 socket with up to 22 kW. A DC fast charging option with up to 125 kW is available for quick charging breaks. The liquid cooling of the battery, charger and drive unit ensures reliable performance and a long service life.

The virtually wear-free drive significantly reduces maintenance requirements - a noticeable advantage in daily operations.

Device drive

The Schmidt Ladog E1250 relies on an electric system for the implement drive. A compact hydraulic system supplies power to the steering, tipping cylinder and the lifting, lowering and swivelling functions. Attachments and mounted implements are driven via a PTO shaft, which is powered by a separate electric motor with identical performance data to the traction drive motor.

Frame

The torsion-resistant double-frame construction made from closed rectangular steel profiles provides the foundation for maximum stability and durability. The chassis, manufactured in-house, is based on a robust ladder frame capable of safely absorbing high forces and payloads. The electric motor is positioned between the axles under the platform. Before assembly, the frame is sandblasted and powder-coated to provide long-lasting protection against corrosion and harsh operating conditions.

Workplace

Applications

The Schmidt Ladog E1250 combines high power reserves, permanent all-wheel drive, and versatile attachment compatibility. Its compact design, balanced weight distribution, and wide range of attachments allow it to be quickly configured for a variety of tasks.

Winter Service

The Ladog E1250 can also be used for winter service - for example, for clearing and gritting pavements, cycle paths or parks. Thanks to its quiet, emission-free drive, the vehicle is particularly suitable for use in densely populated or noise-sensitive areas. With all-wheel drive and the option of attaching snow ploughs or front sweeping brushes and spreaders, the Ladog E1250 contributes to year-round utilisation.

Flushing & Watering
The Ladog E1250 can be equipped with washing and watering systems for various applications. Watering systems with laterally extendable rails offer a large working area, supplemented by spraying or high-pressure lances. Water barrels with a volume of up to 2,000 litres supply the system via pipes laid in the frame. A watering system enables targeted watering of plants directly from the vehicle.

Related products

Ladog E1400
Multipurpose transporter

Ladog T1150
Multipurpose transporter

Ladog T1250
Multipurpose transporter

Technical data

Electric motors	
Power traction drive	90 kW
Axle drive	Perm. four-wheel drive
Battery	
Total capacity	80 kWh / 400 V (option: 120 kWh / 400 V)
Charging time approx.	1 h
Brakes	
Brakes	Dual-circuit hydraulic disc brake system with load-sensing on the rear axle
Dual-circuit brake system	yes
Steering	
Front steering	yes
All-wheel steering	option
Front-wheel steering turning circle radius	5,170 mm
Four-wheel steering turning circle radius	3,200 mm
Equipment	
Air conditioning	option
Multifunction control lever	yes
Speed	
Transportation speed	30 / 40 / 50 / 60 km/h
Dimensions	
Width by tyres	1,300 mm
Width by cabin	1,250 mm
Height by cabin (dependent on tire & load)	2,200 mm
Length	3,605 / 3,735 mm
Wheelbase	2,300 mm
Weights	
Empty weight without mounting	2,600 kg
Permissible overall weight approx. (with corresponding standard equipment)	6,000 kg
Max. permissible front axle load	3,000 kg
Max. permissible rear axle load (tyre dependent)	3,000 kg

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