E1400

Multipurpose transporter

The LADOG E1400 is a powerful electric transporter that impresses with an environmentally-friendly drive and up to 90 kW peak power. The virtually maintenance-free drive reduces operating costs, while the low driving noise and vibrations increase working comfort. With fast charging options and a high degree of flexibility, it is ideally suited for municipal tasks.

Highlights

- Powerful electric drive with **high torque and stepless acceleration**
- Powerful **70 kWh lithium-ion battery** for long operating times
- **Can be used all year round** for tasks such as green space maintenance, winter service and cleaning
- Powerful **all-wheel drive, two self-locking axle differentials and a lockable centre differential** for perfect traction
- Type 2 plug with 22 kW and fast charging option with **up to 125 kW charging power**

Your benefits

- **Environmentally friendly working:** Electric drive with zero emissions for clean and healthy working environments.
- **Versatile use:** Suitable for various applications, from winter maintenance to green space maintenance.
- **Low operating costs:** Reduced expenditure thanks to the low-maintenance electric drive.
- **High working comfort:** Spacious cab for comfortable working, even on longer jobs.
- **Low noise emission:** Enables use in noise-sensitive areas.

Performance features

Electric drive

The LADOG E1400 is equipped with a permanently engaged synchronous motor that delivers 60 kW continuous and 90 kW peak power. The energy comes from two lithium-ion battery packs with a total capacity of 70 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 and a selectable longitudinal lock ensure high traction on any terrain. The stepless acceleration and high torque from the first revolution enable 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.

Frame

The torsion-resistant double frame construction made of closed rectangular tube profile ensures maximum stability. The electric motor is positioned between the axles under the platform, which ensures an optimum centre of gravity. Before assembly, the frame is sandblasted and powder-coated to withstand even the toughest conditions. The chassis, which is manufactured in-house, is based on a sturdy ladder frame that easily absorbs high forces and payloads.

Device drive

The LADOG E1400 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.

Workplace

The ergonomically designed cab offers a high level of driving comfort, optimum visibility and intuitive operation.

- Spacious interior with excellent all-round visibility, especially of front implements
- Clearly arranged controls
- Multifunctional display with warning signals
- Compact external dimensions, yet plenty of room to manoeuvre

Flushing and watering

The LADOG E1400 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 2,500 litres supply the system via pipes laid in the frame. A watering system enables targeted watering of plants directly from the vehicle.

Winter service

The LADOG E1400 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 E1400 contributes to year-round utilisation.

Gallery

Related products

E1250

Multipurpose transporter

T1400

Multipurpose transporter

Technical data

Electric motors	
Power traction drive (rear axle)	60 - 90 kW
Battery	
Total capacity	70 kWh / 400 V
Charging time ca.	1 h
Brakes	
Brakes	Dual circuit disc hydraulic brake system with load control on the rear axle
Dual-circuit brake system	yes
Steering	
Front steering	yes
All-wheel steering	option
Rear steering	option
Front-wheel steering turning circle radius	4,900 mm
Four-wheel steering turning circle radius	3,150 mm
Equipment	
Air conditioning	option
Multifunctional control lever	yes
Speed	
Transportation speed	30 / 40 / 50 / 60 km/h
Dimensions	
Width by tyres	1,490 mm
Width by cabin	1,400 mm
Height by cabin (dependent on tire & load)	2,280 mm
Length	4,030 mm
Wheelbase	2,400 mm
Weights	
Empty weight without mounting	2,800 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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