



Technical Description

Robust aluminium frame in automotive quality, safe and ergonomic weather protection cladding

Cargo bike with full-suspension, seat post suspension

Approved as a pedelec 25 (no driving licence, no insurance, no registration required)

Vehicle designed according to DIN 79010- transport and cargo bicycles-requirements and test methods for single and multi-track bicycles

High flexibility due to open loading bay in standard Euro pallet dimension (1,200 x 800 mm)

Electric lifting system for adaption of interchangeable boxes or pallets

Front carrier for usage of 2 x Euro boxes (400 x 300 x 220 mm), optional adaptation for usage of letter boxes type 2

Batteries and charging infrastructure with very high safety and long lifetime (LiFePO₄, approx. 80% residual capacity after 6-8 years of use)

Optional telematics in the vehicle as well as fleet management tools and interfaces to logistics systems

Illustrations: Chassis with weather protection

Technical Data

Type	Three-wheel cargo bike	Bodywork	Weather protection cladding, gelcoat white (more colors on request), windscreen
Weight	Tare weight approx. 237 kg (cargo bike without box)	Frame	Aluminium alloy AlMg3, quality and precision at automotive level
Load	Total load 373 kg, of which 257 kg on the transport fork in the rear incl. container (box or Euro pallet)	Frame Data	Height: 460 mm Mounting height: 280 mm Mounting width: 350 mm
Dimensions	Approx. 2,700 (A) x 1,300 (B) x 1,980 mm (C) (L/W/H), with attached Box: 3,100 mm (L)	Loading Edge	Lifted box: 380 mm, set off box: 250 mm
Front Carrier	Dashboard with cup-holder and compartment Holder for 2 x Euro standard boxes (e.g. 400 x 300 x 220 mm), each 15 kg load Lockable driver's compartment, small luggage net	Lighting	Front: 2 x Supernova Mini 2 headlights (2 x 235 lm) Rear: 2 x Supernova M99 rear light with brake light, 4 x LED indicator (of which 2 x in the side mirror) Parking light
Drive	2 x Heinzmann dual back hub motor RN111 Cargo Power, Reinforced axle Nominal power: 2 x 125 W, Peak-Power: 1,350 W Torque: nominal 2 x 31 Nm, maximum 2 x 113 Nm 5 selectable electrical assistance levels Starting aid up to 6 kph, adjustable via twist grip Rear gear, cargo control (display) optional	Brakes	4 x Magura Big hydraulic disc brakes (Twin variant) 1 x parking brake
Speed max	Electrical assistance up to 25 kph	Wheels	Rims: 3 x Motorcycle 18" Spokes: WWS 2,6/M3, Niro Tyres: Michelin Pilot Street , 90/90 TT, 57P Tyres pressure: 2.6 - 2.8 bar (41 psi)
Battery	2 x / 4 x exchangeable batteries AES eBike Classic LiFePO ₄ , nominal Voltage 36V, CE / UL certified 90% rest capacity > 1,600 charging cycles 80% rest capacity > 2,500 charging cycles	Damper	Front (suspension fork): 2 x springdamper 2.500 lbs. Rear (swingarms): each springdamper 3.000 lbs.
Range	Approx. 20 to 50 km (depending on battery configuration)	Saddle	Selle Royal Torx unisex Premium, including seat post suspension
		Lifting System	Electric, 36V, max. load weight 257 kg, steel pallet fork for load pick-up