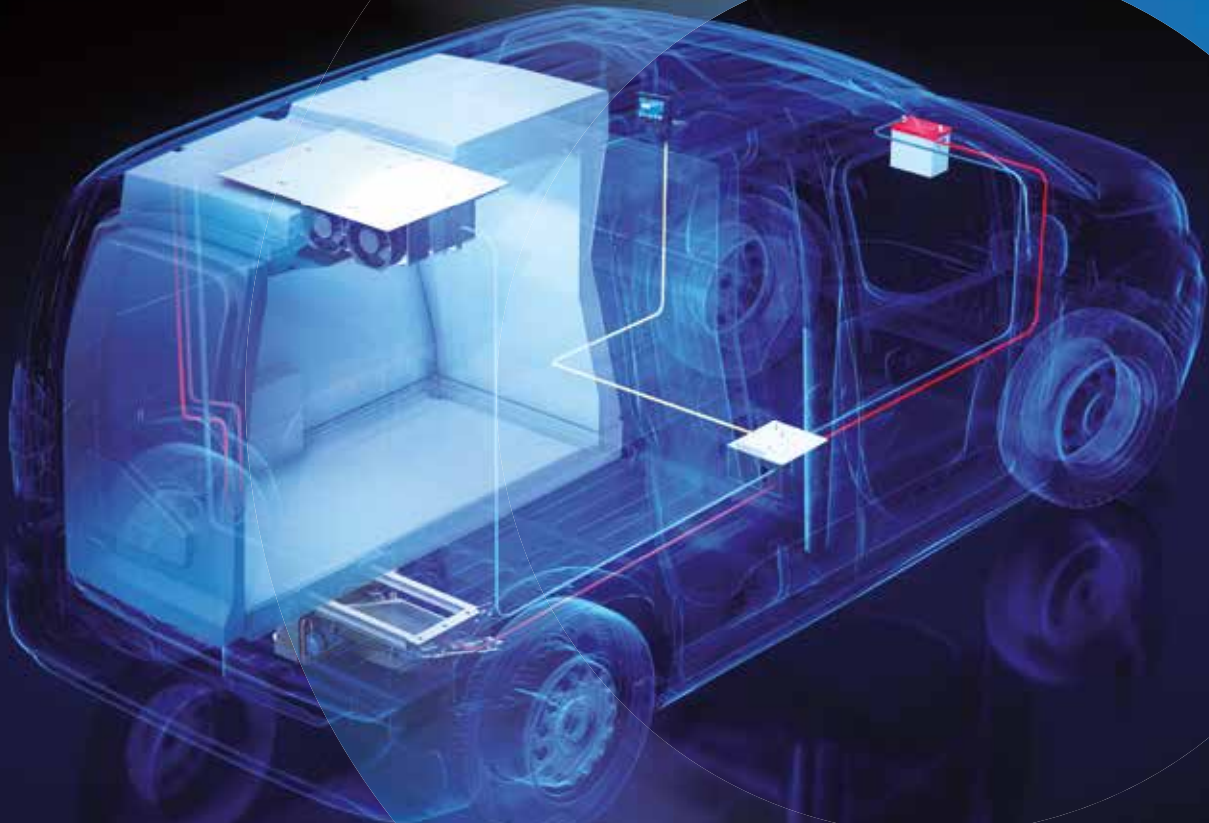


**e-COOJET
106**

Class A : 2 → 5m³

NEW COOLING UNIT
e-CoolJet 106 A



Partner to major utility vehicle brands

Over 30 years' experience

10 exclusive patents

**WORLD /
PREMIERE!**

The first **100%-integrated**
electric cooling unit
with ultra-low consumption

www.kerstner.com

Kerstner 

LAMBERET SAS Head Office
01380 - Saint-Cyr/Menthon, FRANCE
Tel. : +33 (0)3 85 30 85 30 - communication@lamberet.fr

The **first environmentally sound, 100%-integrated electric refrigeration unit**, specially designed for light and compact vans intended for controlled-temperature transport in ATP class A (above-zero cold) up to 5 m³.

USAGE

- **100%-integrated cooling unit:**
 - Compressor and condenser under the chassis, in the spare tyre compartment
 - Extra-flat evaporator built into the ceiling insulation
- **Multiple power sources:**
 - **Driving mode:** Vehicle alternator (standard)
 - **Mains mode:** 230V domestic outlet
 - **Autonomous mode:** Ultra-compact battery mode (custom option after review)
- **Best-in-class energy efficiency:**
 - Very high efficiency (COP/EER): 1.55
 - Maximum energy consumption 45 A, without peak

SAFETY & COMFORT

- Without changing the vehicle's structure/height: Ideal for underground parking
- Silent running, outside and in-cab
- Available cargo height maximized
- In-cab unit control on a 2.8" colour screen
- Battery monitoring: Voltage, low-voltage alert, and unit safe mode included

PERFORMANCE

- **Optimized above-zero cold refrigerant gas:**
 - Faster cooling
 - Stability around the setpoint
- **Specially designed airflow:**
 - Evaporator blowing forward
 - Maximum flow of air
- **Same original vehicle aerodynamics**
 - Compatibility with WLTP environmental standard
 - Reducing consumption and CO₂ emissions

EXCLUSIVE TECHNOLOGIES

- Variable-speed electric hermetic compressor
- «Microchannel» exchanger condenser with lamellar surface
- Variable-speed fan and «Longlife» bearings
- «Softstart» power management
- BUS-Can technology: two-way communication with the vehicle and telematics (optional with review)

EASY-MAINTENANCE

- Longer maintenance intervals (3000 hours or 12 months)
- 100% brushless motors, with no carbon or belt
- 100% protection from surges
- Maintenance computer and log from in-cab controls

TECHNICAL CHARACTERISTICS

e-CoolJet 106 REFRIGERATION UNIT	Road and mains
Weight of the unit (kg)	53
Form factor atop ceiling	0
Form factor under ceiling	75
ATP approval possible	FRAX / FRA
Power at 0°C / + 30°C (W per ATP test)	944
Defrosting	warm gas
Ventilation (m ³ /h) depending on mode	750 - 478
Refrigerant	R134a / 1 kg
Max power draw	45 A
Voltage	12 V / 230 V
Min power vehicle alternator with AC.	120 A



Condenser and compressor built in under chassis



Unit control with 2.8" colour screen



Evaporator built into insulation



* Hazard Analysis Critical Control Point