

ELECTRIC ROOFTOP BUS AIR CONDITIONER

CC205-E



BEST THERMAL COMFORT IN E-BUSES

CC205-E complements our range of air conditioning for electric vehicles, approved for the demands of global markets. As main characteristics are: better relationship weight x performance, reliability, thermal comfort and easy maintenance



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HIGHLIGHTS



Low life-cycle costs

- Low power consumption in the vehicle due to low weight of equipment
- Small dimensions allowing space in the roof for the battery system
- Long life due to intelligent control of the electronic fans
- Practically maintenance free



Comfort

- Cooling capacity with intelligent variable control up to 25 kW



Autonomy

- Greater autonomy due to the low weight of the equipment
- Optimization of energy consumption
- Artificially intelligent control system for Autonomous control for blower, condenser fan and compressor



Sustainability

- Safety against leakage due to the gas circuit hermetically sealed refrigerant
- Quiet operation



Others

- Integrated compressor, without installation of refrigerant gas
- Better interface with all OEM bus assemblers
- Designed for R 134a

TECHNICAL DATA

		CC205-E
Cooling Capacity (kW)		25
Evap. Airflow (m³/h)		4400
Cond Airflow (m³/h)		5400
Cut-Off Temperature (°C)		55
Current	26V DC	**Nominal- 50A
Consumption	600V DC (626V DC)	***Max.: 13A *Regulated: 5A
Weight (kg)		180
Dimension (mm)		2,646 x 1,500 x 269
Fresh Air		Optional
Roof Radius		5,500-8,000
Refrigerant		R134a
Converter 24V dc Integrated		24V DC/380V DC
Frequency Inverter		450-850 VDC
Integrated converter		24V DC/ 380 VAC
Controller		SC620 with 10 Speed adjustment

*Regulated (temperature in the passenger compartment in set-point 27°C and ambient 35°C)

**Maximum rotation (100% condenser / 100% evaporators)

***Rotation of compressor at 90Hz