

A WORLD OF COMFORT

 Eberspächer



CLIMATE CONTROL SYSTEM / AC135

COMPACT ROOF-MOUNTED ALL-ELECTRIC AND HEAT PUMP FOR HEATING AND COOLING OF ELECTRIC BUSES

ALL BENEFITS AT A GLANCE



Modular:

- Modular interface for all buses for all performance classes
- Aerodynamic profile with reduced roof footprint
- Reduced installation time due to parallel system with one-piece unit including both condenser, evaporator, compressor and battery cooling heat exchanger
- For use in all climate zones
- For use with side or centre return air grilles
- Available with options for water heating, fresh air (max 25%), inverter and battery cooling all within the same unit
- Excellent high ambient operations using R134a refrigerant



Energy efficiency:

- Refrigerant reverse cycle with increased efficiency in heating conditions (COP of up to 3)



Life cycle costs:

- Easy serviceability with 3-piece cover design
- Serviceable high voltage compressor



Lightweight construction:

- Lightweight all plastic construction
- Simplified refrigerant circuit and components
- Fin and tube heat exchangers
- Reduced roof footprint



Environmental protection:

- Lightest system in its market for reduce energy consumption
- Refrigerant reverse cycle with increased efficiency
- Reduced refrigerant quantity



TECHNICAL DATA

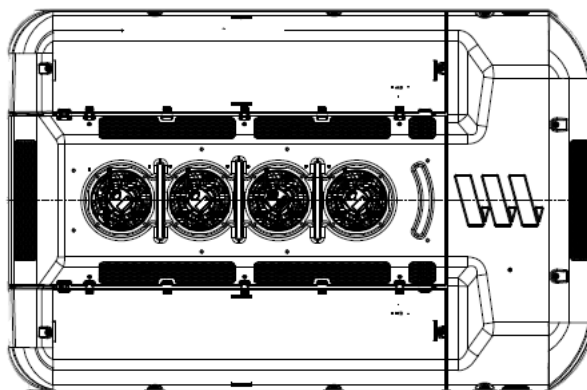
PARAMETER****	AC135-230AE	AC135-240AE	AC135-230HP	AC135-240HP
Capacity Class	30 kW	40 kW	30 kW	40 kW
Heating performance** (heat pump)				12.0 kW / 14.0 kW 22.0 kW / 24.0 kW
Heating Performance*** (hot water – option)	36 kW	36 kW	36 kW	36 kW
Length	2944 mm	2944 mm	2944 mm	2944 mm
Width	1905 mm	1905 mm	1905 mm	1905 mm
Height	295 mm	295 mm	295 mm	295 mm
Weight	210 kg	220 kg	215 / 220 kg	225 kg
Evaporator air capacity	4400 / 6600 m ³ /hr	6600 m ³ /hr	4400 / 6600 m ³ /hr	6600 m ³ /hr
Max current consumption (24VDC)*	72 / 91 Amps	97 Amps	75 / 89 Amps	97 Amps
Current consumption – 400 VAC (A)	12.1	25.1		21
Compressor power consumption	7.5 kW	15.4 kW		12.8 kW
Voltage (VAC)	380	380	380	380
Refrigerant	R407C	R407C	R134a	R134a
Roof radius	10 m	10 m	10m	10m
Battery chiller (option)	10 kW	10 kW	10kW	10 kW

* With brushless evaporator blowers

** -5°C ambient, 16°C saloon / 10°C ambient, 20°C saloon

*** Q80, 2500m³/h airflow, 1500 litres per hour water flow

**** Please contact Eberspaecher for further details



AC135-230AE/240AE/230HP/240HP