

# AC136 G4 AE (ALL-ELECTRIC) ROOF-MOUNTED AIR CONDITIONER COMPACT UNIT FOR HYBRID AND ELECTRIC BUSES



MODULAR

- Uniform interface for all buses for all performance classes
- Reduced installation costs
- For use in all climate zones



LIGHTWEIGHT  
CONSTRUCTION

- Flat-tube heat exchanger technology (MCHX)
- Aluminium heat exchangers
- Lightweight aluminium construction
- Aluminium tubes and components



ENERGY EFFICIENCY

- MCHX condenser covers a wide cooling capacity range with minimal refrigerant quantity
- Large diameter fans with optimised blade geometry enable a high airflow with a low power consumption
- Variable cooling performance
- 100% fresh air for optimal ventilation and 'free-cooling' possibilities in Spring and Autumn seasons



ENVIRONMENTAL  
PROTECTION

- Low weight for reduced fuel consumption
- High efficiency condenser fans produce less noise and power consumption

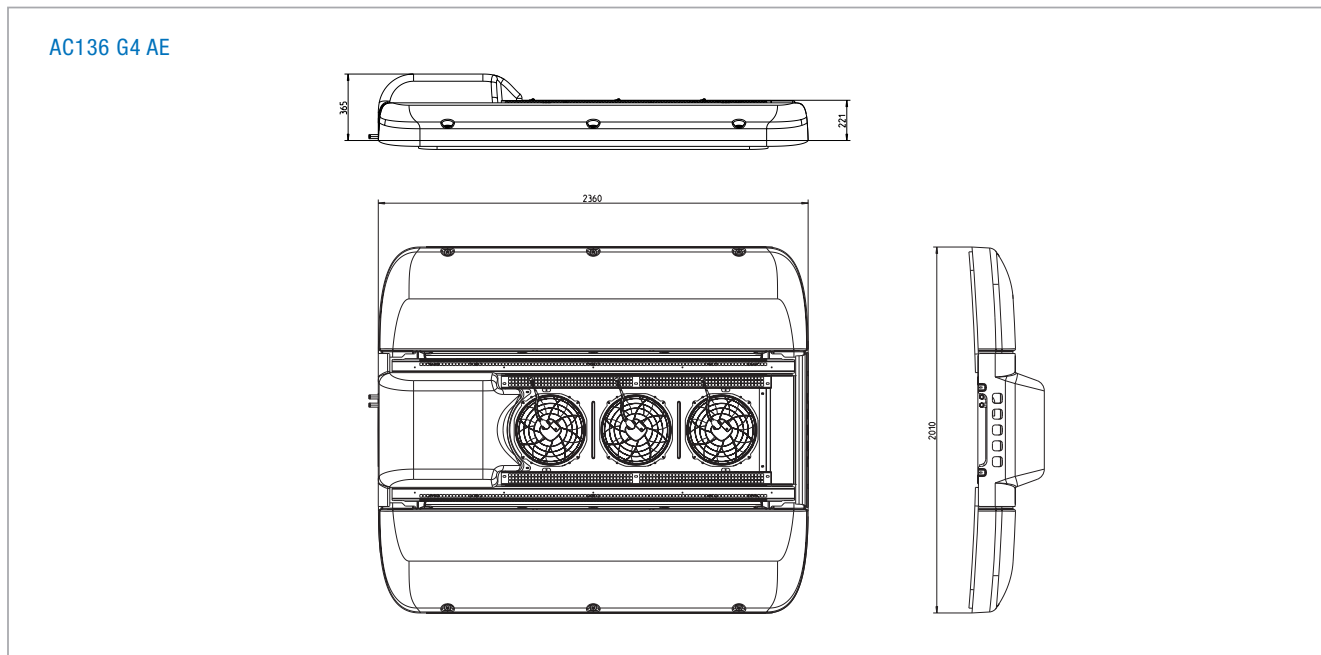


LIFE-CYCLE COSTS

- Brushless motors ensure long running times for condenser fans and evaporator blowers
- Block connections as per automotive standards ensure high refrigerant tightness

TECHNICAL DATA\*

	AC136 G4 AE I	AC136 G4 AE II	AC136 G4 AE III
Nominal cooling performance (50/65 Hz)	18 / 21 kW	21 / 24 kW	25 / – kW
Max. cooling performance (50/65 Hz)	26 / 29 kW	29 / 32 kW	35 / – kW
The nominal cooling performance was determined under the following conditions: exterior temperature 35 °C, interior temperature 27 °C. The max. cooling performance was determined under the following conditions: exterior temperature 35 °C, interior temperature 40 °C.			
Heating performance	37 kW	42 kW	42 kW
Length	2,360 mm	2,360 mm	2,360 mm
Width	2,010 mm	2,010 mm	2,010 mm
Height	380 mm	380 mm	380 mm
Weight	approx. 219 kg	approx. 225 kg	approx. 225 kg
Evaporator air capacity	4,200 m³/h	6,100 m³/h	6.100 m³/h
Current draw at 24 V DC	66 A	87 A	91 A
Nominal power consumption at 400 V AC (50/65 Hz)	5.1 / 7.4 kW	5.0 / 7.5 kW	9.2 / – kW
Max. power consumption at 400 V AC (50/65 Hz)	6.4 / 8.8 kW	6.1 / 8.7 kW	11.7 / – kW
Refrigerant	R134a	R134a	R134a



\*Please contact Eberspächer for further details