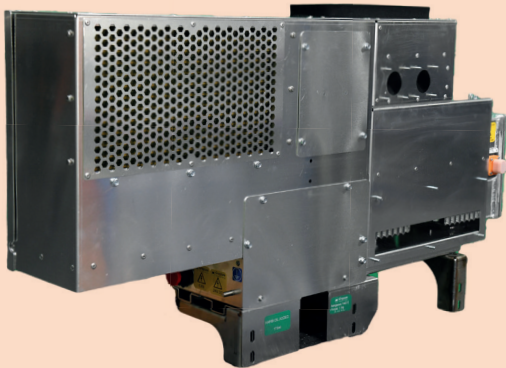


ALL-ELECTRIC DRIVER CABIN HVAC UNIT



PART NUMBERS:

3F-10002-0F01 - Heat pump only, 4kW PTC heating, recirculated air

3F-10009-0D01 - Reversible heat pump with AC, 2kW PTC, 95% fresh air

3F-10038-0D01 + 3F-10038-7000 - Reversible heat pump with AC, 2kW PTC, 100% recirculation, remote electrical box

SYSTEM OVERVIEW

Designed to provide you with advanced windscreen defrost and demist, alongside superior cabin climate control, the GTS All-Electric Driver Cabin HVAC unit keeps drivers comfortable while delivering outstanding efficiency.

Bringing together reversible heat pump technology for efficient heating in low ambient conditions with an integrated CAN J1939 controller, our plug-and-play solution can meet the HVAC needs of buses, coaches, off-highway vehicles and on-highway HGVs.

Packaged into a single assembly are the electric compressor, heat exchangers, controller and complete refrigeration system. This complete assembly enables the system to be supplied pre-charged with gas, removing the need and cost of an F-gas qualified engineer to install and commission.

KEY FEATURES:

- Single assembly refrigerant heat pump system for quick and easy installation
- Integrated box with compressor, heat exchangers, controller and complete refrigeration system
- PTC heaters installed for low ambient heating and defrost (down to -15°C)
- Available in heat pump only mode or heat pump & air conditioning mode
- Available in 95% fresh air or 100% recirculated air
- COP >2.0 in -5°C ambient with 95% fresh air supply. 100% recirculated air provides a higher COP
- Electric expansion valves for variable refrigeration circuit control
- Integrated CAN J1939 controller
- Only 600VDC, 24VDC and CAN connections required
- Brushless blowers (long life)
- Refrigerant R407C (1.3kg)
- Dashboard controller options supplied with the heat pump unit

TECHNICAL INFORMATION

Power information 24VDC for Blowers and control
600VDC (420-750VDC) for Compressor

Refrigerant R407C 1.3kg

Heating performance 8kW @ 0°C ambient, 40°C air-off temperature, COP 1.95
6kW @ -5°C ambient, 37°C air-off temperature, COP 1.98
Above values are at 95% fresh air and 5% recirculated air (greater COP & lower energy consumption with 100% recirculated air)

Cooling performance 3.5kW @ 40°C ambient, 18°C air-off temperature
Above values are at 95% fresh air and 5% recirculated air (greater COP & lower energy consumption with 100% recirculated air)

Dimensions (mm) 1155.5mm (L) x 288.5mm (W) x 544mm (H)

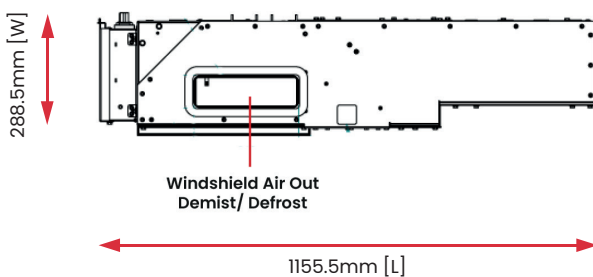
Weight (kg) 53kg

Minimum operating temperature -15°C with PTC heating as an assist

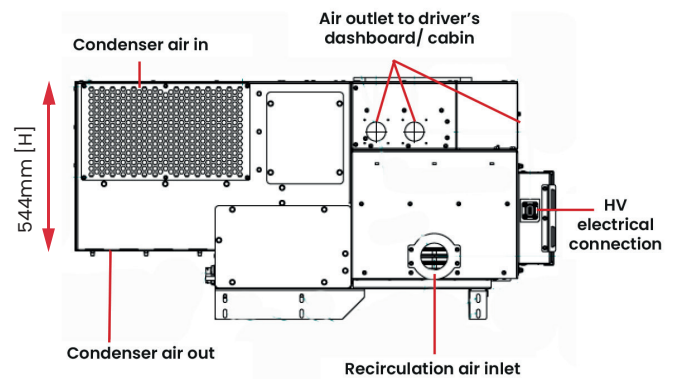
Maximum operating temperature +45°C

DIMENSIONS

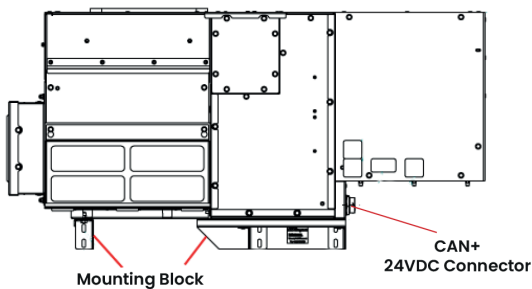
Top View



Front View



Back View



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