



ECU 8000



SPECIFICATIONS	
ECU Model	ECU 8000 Environmental Control Unit
ECU Type	Split System ECU
Cooling Performance	8 kW
Heating Performance	5 kW
Operating Voltage	400 V AC / 50 Hz (60Hz also available)
Operating Temperature Range	-32°C - +55°C (-25°F - +130°F)
Control	Operator panel mounted on evaporator
Operation	Temperature and fan speed controlled in automatic mode (1°C steps)
Area of Application	Civil and defense applications
Area of Operation	Vehicle, container and shelter-based installations
EMC Compliance	Designed to meet MIL-STDs concerning EMC
Compressor	Scroll Compressor
Refrigerant	R134a
Connections	Electrical cables and cooling hoses are available in various lengths. Hoses can be supplied without plugs and connectors.
Installation	Must be externally mounted under a covered area
Options	Design, position of air outlets, color, ABC/NBC filter and operational features
CONDENSER	
Approx. Weight	113kg (250lbs)
Dimensions (L x W X H)	850mm x 500mm x 525mm (33.5" x 19.7" x 20.7")
EVAPORATOR	
Approx. Weight	39kg (86lbs)
Dimensions (L x W X H) [mm]	740 x 293 x 670

Due to our policy of continual product development, we reserve the right to alter these specifications without notice.

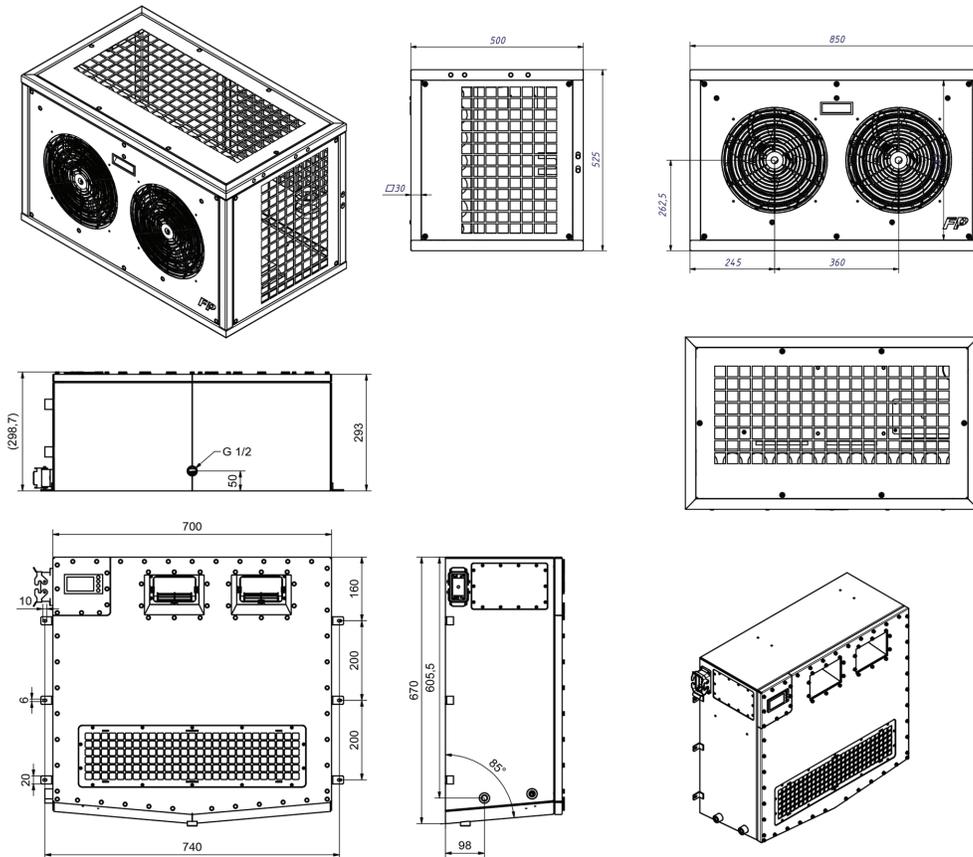


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FISCHER PANDA GENERATORS AND APUS FOR MILITARY APPLICATIONS:

With ease of maintenance in mind, Fischer Panda has designed a diverse selection of diesel power solutions, meeting a wide range of MIL-STD requirements especially concerning EMI levels and IR signatures, exhaust emissions and operating sound levels.

Fischer Panda has a comprehensive internal design engineering staff which is highly qualified and experienced in unique and custom designs. Fischer Panda is fully export compliant.

FISCHER PANDA TECHNICAL SERVICE AND SUPPORT:

Fischer Panda is fully staffed with qualified and experienced engineers as well as highly trained technicians to ensure customer assistance should the need arise. In most cases, our support team is able to resolve issues via phone and/or email/ photos by interacting with the technician.

DC LIQUID COOLED GENERATORS/AUXILIARY POWER UNITS (APU)

Fischer Panda DC Generators enhance vehicle systems with powerful charging capabilities and enabling silent running. The AGT5000 PE-150 Series, for example, is perfect for automatically maintaining battery systems onboard M113 and M577 tracked vehicles. Fischer Panda has DC APUs in use on a number of other vehicles among which include the LAV, AAV and M88.

AC LIQUID COOLED GENERATORS

Fischer Panda AC generators supply power with a very clean sine wave suitable for sensitive electrical equipment. They are also capable of providing sufficient power for starting heavier equipment such as environmental control units (ECUs). The Asynchronous generators can load switch but not load share. The SST 25 PMG's permanent magnet technology allows paralleling/load sharing with up to eight generators. This function facilitates the management of peak power demands. The SST 25 Generator is capable of running at variable speed while maintaining constant frequency and voltage. The engine speed adjusts to match the load with

significant fuel savings, reduced wear and lower exhaust emissions.

COMBINED GENERATORS AND ENVIRONMENTAL CONTROL UNITS AND SPECIALIZED ENVIRONMENTAL CONTROL UNITS

Although Environmental Control Units are not our main product line, we do have the capability of meeting the customer's needs when it comes to designing and building ECUs.

In one case, the customer wanted to put the generator and the ECU in the tunnel and we were able to deliver the prototype in 6 months.

It is a 10kW single phase generator and the 2-ton ECU on the same framework, yet the ECU is able to operate from either generator or shore power.

In another case, the customer had a mobile lab which tested fuel samples and needed to be able to purge the interior air supply of their shelter prior to technicians entering. We designed in the purge feature and we were also able to make the 6-ton ECU NBC ready.



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