



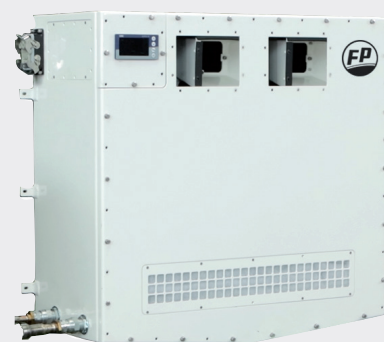
PANDA "FP" ECU 8000 ENVIRONMENTAL CONTROL UNIT



ECU Model	Panda „FP“ 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
Operating Temperature Range	-32°C - +55°C
Control	Operator panel mounted on evaporator
Operation	Temperature and fan speed controlled in automatic mode (1°C steps)
Area of Application	Civil and defence 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, colour, ABC/NBC filter and operational features
Condenser	
Approx. Weight [kg]	113
Dimensions (L x W X H) [mm]	850 x 500 x 525
Evaporator	
Approx. Weight [kg]	39
Dimensions (L x W X H) [mm]	740 x 293 x 670

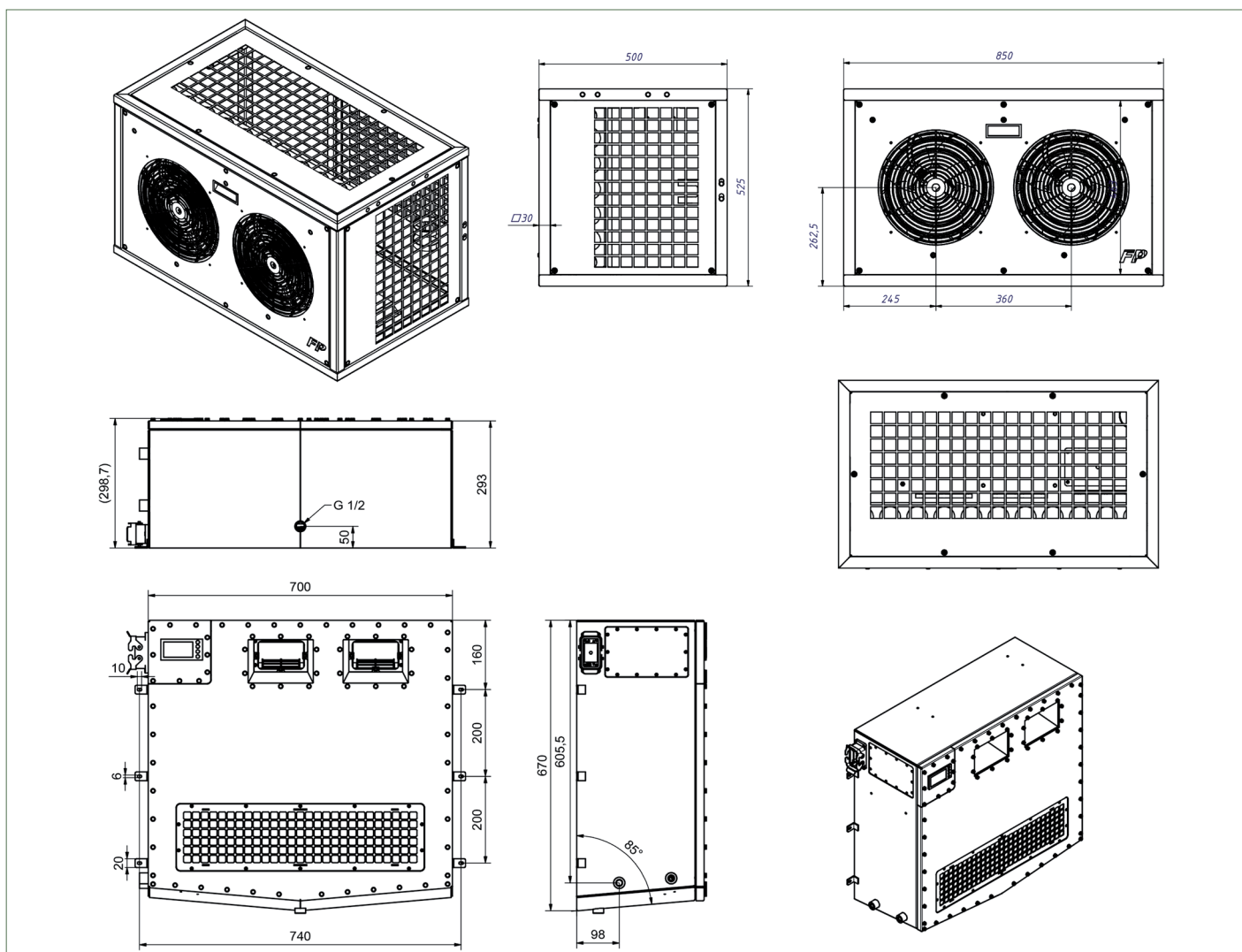


Panda ECU - Condenser



Panda ECU - Evaporator





Fischer Panda Generators and APUs for Military Applications

Fischer Panda has a full military specification for its generators, meeting a wide range of **MIL-STD** requirements especially concerning EMI levels and IR signatures, exhaust emissions and operating sound levels. They are designed with fast and easy maintenance in mind, whatever the conditions or circumstances, which is essential for the military operator. Custom-built generators can be constructed as practically all the main components are manufactured by Fischer Panda. Effective use of water-cooling and installed within a sound-insulated housing, they operate quietly, are practically vibration-free with a minimal thermal signature.

Fischer Panda DC generators enhance lighter vehicle systems with powerful charging capabilities and enables silent running. The DC PE150 Series, for example, is perfect for automatically maintaining battery systems onboard M113 tracked vehicles.

The Fischer Panda AC generators supply electricity 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). With parallel load switching and parallel load sharing options available, the generators can function as decentralised power assets to manage peak demands for power during operations. They can then combine power output or swap the load to sustain a supply. The latest range of SST Generators feature engines capable of running at variable speed while maintaining a constant frequency. They can adjust the speed to match the load with significant fuel savings, reduced wear and lower exhaust emissions. These generators can also offer full load sharing capabilities.

Fischer Panda builds specifically for vehicles with dedicated generator tunnels. These have been enhanced to form a **Combo Generator**, featuring an AC generator and high efficiency ECU in a single unit.

FP Combined Air-Conditioner and Power System (CAPS) for container-based applications

CAPS is a highly sophisticated system for container-based applications requiring electrical power, advanced ECU heating and air-conditioning. CAPS can maintain an optimal environment for sensitive electronic equipment and personnel to operate.

The CAPS system is designed for command units maintaining a heightened "battle readiness" and who are expecting disruption or total loss of the mains power grid. Upon loss grid power, the generator is automatically started and the supply switched over.

FP Enviromental Control Units ECUs

Fischer Panda "FP" ECUs specially designed to provide a controlled environment for applications operating in harsh conditions.

Disclaimer: The information contained here is to the best of our knowledge accurate at the date of publication. Please note that the data in this publication reflects the technical state at time of print. Due to our policy of continual product development, we reserve the right to alter technical specifications without notice.

Stand: 07.2020

Ref: Panda_ECU_8000



Fischer Panda GmbH
Otto-Hahn-Str. 40
D-33104 Paderborn
Germany

Tel. : +49 (0)5254 9202-0
Fax : +49 (0)5254 9202-550
Hotline : +49 (0)5254 9202-767
Email : info@fischerpanda.de
Web : www.fischerpanda.de

