

Built-in Power Supply Unit 10 kW VESTA

Power Supply Unit VESTA is an independent electric power source of a new concept. It is designed to be integrated and operated in a close space (for example container cabinet, combat vehicle, mobile workshop, etc.). Control of this power supply unit is done outside its build-up using a control unit. This enables to control the power supply unit operation for example while the vehicle is moving.

In a switchboard, which is a part of the power supply unit, there is a customer terminal block designed for connection of powered electric devices (switchboard with sockets, lighting, drive, etc.)

The power supply unit complies with the requirements of STANAG and MIL-STD-461E.



Unit cabinet with switchboard

BASIC PARAMETERS

Voltage:	3x400 V/230 V AC
Power:	10 kW
Power system:	isolated voltage system
Generator:	synchronous
Cooling:	water-cooled
Degree of protection:	IP 23
Weight:	500 kg
Engine:	Kubota
Fuel:	diesel
Consumption:	4.7 liters per hour
Fuel tank:	external, customer's
Starting:	electrical, 24 V DC

OPERATING CONDITIONS

Ambient temperature:	-32 °C to +49 °C
Altitude:	up to 1 000 m above s.l.
Relative humidity:	60 % at 30 °C
Tilt:	up to 20°

TYPE SPECIFICATION

Č-ED 10-T 400/230-3K-VESTA-M1

THE POWER SUPPLY UNIT CONSISTS OF

- ★ cabinet of the unit with switchboard (size 1 393 x 550 x 721mm including outputs)
- ★ control unit (size 300 x 300 x 200 mm)
- ★ cooling unit including fans (size 1 000 x 990 x 415 mm)



Control unit K187



Cooling unit including fans

POSSIBLE MODIFICATIONS OF MAJOR COMPONENTS

Particular major blocks of power supply unit can be modified according to the customer requirements. It is possible for example to choose direction of fuel and cooling outputs from the cabinet, design of the control unit, different colours, the length of connecting cables etc. or to choose a new customer solution according to the possibilities of building-up of the power supply unit.

PRACTICAL APPLICATION

Combat vehicles, mobile workshops, specialized containers (topography, treatment rooms, pyrotechnical, command and control, communication).

