

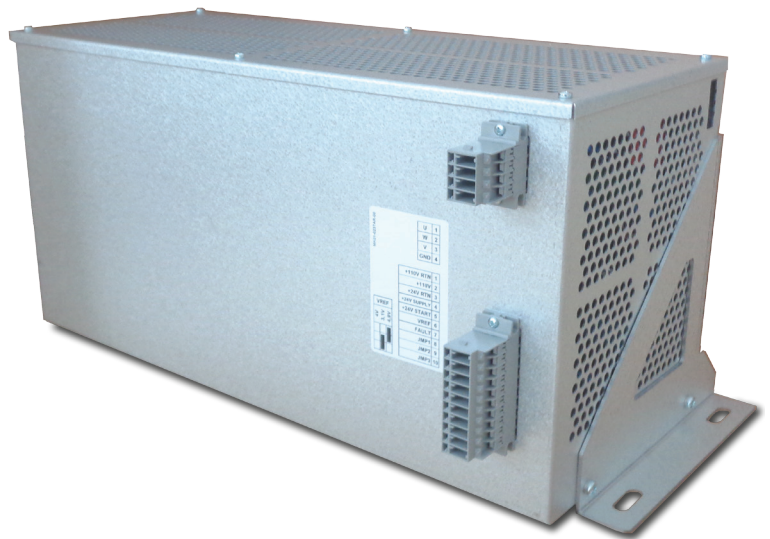


0,4kW Inverter for emergency ventilation

for railway passenger cars

0,4kW Inverter P/N: MK01-001DAF

- **IN: 110 VDC**
- **OUT: 400 VAC 50Hz, 3Ph**
- **Full digital control, DSP based**
- **Inverter status by Leds**
- **Remote monitoring control via CAN**



WHAT'S IN IT FOR YOU:

- **Various kind of fans and loads management capability**
- **Embedded motor speed reference (3-5 V / 30 Keps)**
- **Robust design according to EN50155 and EN45545**
- **Maintenance free**
- **Provides a 3 phases supply to an emergency fan plus a reference signal to the embedded inverter in the fan assembly**

MK01 Inverter meets "Caravaggio" roof-installed HVAC systems requirements.

Caravaggio, also called Rock, is the newest regional commuter train designed for Trenitalia (primary train operator in Italy).

MK01 Inverter fulfills a safety requirement:

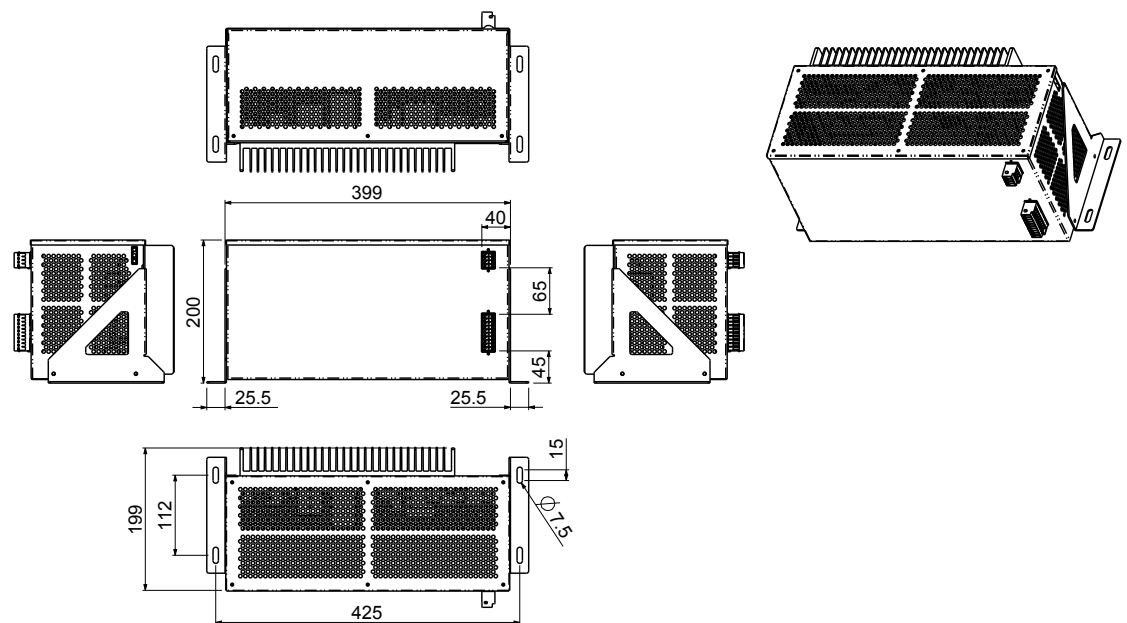
In case of black-out or auxiliary power converter failure, MK01, fed by the train batteries, powers the HVAC emergency fan, providing air to the passenger cabin.

MK01 is available in different power sizes and adjustable for different type of fans or loads – please ask directly RGM Sales or Agents for additional details.

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TECHNICAL SPECIFICATIONS

Device Type	0.4 kW Digital Inverter for inside HVAC installation
Power technology	Soft switching input stage, SVM (Space Vector Modulation) inverter
Control technology	Full digital, DSP based
VIN	110 VDC (66-154 VDC)
Nominal VOUT	400 VAC 3 Ø (380-420 VAC), 50Hz
Nominal output power	0,4 kW
Cooling	Natural convection in closed environment
Working temperature	-25°C / +70°C
Overall dimensions	400 x 200 x h 200 (mm)
Weight	7.5 (kg)
Standards	EN 50155, EN 50125, EN 61373
Fire Protection	Comply with the standard CEI EN 45545
Protection Category	IP 20



Mechanical layout (dimensions in mm.)