



# FischerPanda

## Panda 12x PVMV-N

### Overview

- Ultra-quiet operation for onboard comfort
- Compact & lightweight design for vehicles and off-grid applications
- High efficiency with water-cooled alternator
- Complete monitoring and safety system

### Engine & Alternator

- Engine: 3-cylinder water-cooled Kubota diesel, 719 cm<sup>3</sup> (Type: D722)
- Alternator: Water-cooled Fischer Panda
- Frequency: 230 V / 50 Hz, single-phase
- Nominal Output: 10.2 kW (12.0 kVA,  $\cos \varphi = 0.85$ )
- Continuous Output: 9.0 kW (11.2 kVA,  $\cos \varphi = 0.85$ ) @ 3000 RPM
- Rated Current: 44.0 A per phase
- Continuous Current: 39.0 A per phase

### Sound & Insulation

- Capsule: GRP sound-insulated capsule 4DS
- 2 layers heavy lining + 2 layers special sound insulation foam
- Noise Levels:
  - 53 dB @ 7 m
  - 63 dB @ 3 m
  - 67 dB @ 1 m

### Dimensions & Weight

- Capsule Dimensions
- (L × W × H): 950 × 515 × 629 mm
- Weight: 253 kg

### Complete Set Features Electrical & Controls

- 12 V start system
- 12 V / 10 A alternator for battery charging
- Remote control panel with: on/off, preheat, start, LCD hour meter
- Automatic generator shutdown in case of alarm
- Fuses for 12 V system



### Safety & Monitoring

- Exhaust and engine temperature switch
- Oil pressure switch
- Oil temperature switch
- Winding temperature switch

### Fuel & Engine Management

- Fuel shut-off solenoid for engine stop
- 12 V fuel pump with inline filter and hose connectors
- Engine-driven cooling water pump
- X-Control voltage regulation for 230 V with actuator
- Integrated automatic start booster (ASB) for inductive loads

### Exhaust & Air

- Water-cooled exhaust manifold
- Integrated silencer (no external silencers needed)
- Air filter

### Mounting & Accessories

- External rubber mounts for vehicle installation
- Roof-Mounted Radiator RD 3.3 Tropical
  - Aluminium radiator net, 2 fans (230 V / 50 Hz), aluminium air housing
  - Integrated and/or external expansion tank with filler caps
  - Fan controller with switch, temperature switch
  - **Dimensions:** 1055 × 515 × 393 mm
  - **Weight:** 42 kg
- **Installation:** Through-roof fitting, includes two 25 mm stainless steel pipes with 90° elbows and SS plate

### Additional Accessories

- Fuel filter with water separator
- Exhaust elbow & silicon hoses (40 mm diameter, 70 mm length)

