

GeneratorSet.cn Product Datasheet

500kVA Open Type Perkins Generator Set

Core specifications

Generator type: Diesel Generator Sets
Rated power: 500 kVA
Standby power: 550 kVA
Engine: Perkins PER-5001
Alternator: Mecc Alte
Controller: SmartGen HGM6120N
Voltage: 220/380V, 230/400V, 240/415V optional
Frequency: 50Hz / 60Hz configurable
Fuel consumption: 105-125 L/h at 75% load
Noise level: Open type, site enclosure recommended when required
Dimensions: 2500 x 1040 x 1425 mm
Weight: 2280 kg
Fuel tank: 600 L base tank or external tank optional
Cooling: Water-cooled radiator system

Dimension notes

Overall reference size: 2500 x 1040 x 1425 mm.
Approximate operating weight: 2280 kg.
Confirm final base frame drawing, lifting point position and service clearance before production.
For indoor rooms, reserve maintenance access around the engine, alternator, radiator and control panel.

Brand and control notes

Perkins engine selection should be checked against local service access, fuel quality and required emissions documents.
Mecc Alte alternator configuration should be confirmed with voltage, frequency, insulation class and protection needs.
SmartGen HGM6120N control system should be matched with ATS, remote monitoring, alarm output and language requirements.

Optional configurations

- Automatic transfer switch integration
- Battery charger and jacket water heater
- External fuel tank or larger base tank
- Remote monitoring and alarm output
- Export packing with loading photos and test report

Recommended spare parts package

- Perkins oil filter set
- Perkins fuel filter and water separator elements
- Air filter element matched to intake system
- Fan belt, radiator hose and clamps
- Starting battery, battery cable and charger fuse
- SmartGen HGM6120N controller backup settings and wiring diagram
- AVR, sensors and emergency stop switch for remote projects

Important note

This PDF is a standardized sourcing datasheet generated from the public product record. Final supplier datasheet, certificate, drawings and photos should be confirmed before order.