

## VibroPower Perkins Generator Sets

### Perkins Engine

Perkins industrial engines are designed to satisfy numerous requirements:

- Economic, durable and reliable
- Environmentally friendly
- Offers ideal characteristics for electric power generation
- Backed by worldwide service network

### Electrical System

12/24 volt starter motor and charging alternator complete with heavy duty lead acid batteries and interconnecting cables are standard supply.

### Available Options

- Weatherproof canopy
- Soundproof canopy
- Fuel tanks
- Trailer
- Manual start control panel
- Automatic mains failure panel
- Manual synchronizing panel
- Automated synchronizing and load sharing panel and sequence starting
- Remote radiator system
- Cooling tower system

### Alternator

The alternator of brushless excitation with IP21 standard enclosure. Stator and rotor are insulated with class H insulation. Optional features such as

air filters and anti-condensation heater can be fitted. Voltage regulation  $\pm 1.5\%$  at any p.f. between 0.8 lagging and unity and including speed drop of 4.5%.

### Engine instruments and protections

- Water temperature gauge with shutdown for high water temperature
- Oil pressure gauge with shutdown for low oil pressure
- Battery charging voltmeter
- hour run meter

Optional features such as tachometer, oil temperature gauge etc can be offered.

### Vibropower isolator

Neoprene anti-vibration mountings are installed between the engine/alternator and skidbase to ensure that vibration to the floor is minimized. Spring mountings can also be supplied for more critical installations.

### Exhaust System

Heavy duty industrial type silencer come with flexible expansion bellow as standard. Residential and critical silencer can also be offered

### Warranty

2000 hours or 12 months from date of starting or 18 months from date of delivery, whichever occurs first



**VibroPower range of Perkins powered diesel generating sets**  
1500RPM, 50HZ (25kVA ~ 2000 kVA)  
1800RPM, 60HZ (31kVA ~ 800 kVA)