PKGVE-IV-140

# 140 kVA Diesel Genset

A 140 kVA CPCB IV+ diesel genset with a VECV (Volvo Eicher) E694 engine, in an acoustic canopy below 75 dB(A) at 1 m.



## Technical specifications

### Genset

| | |
|---|---|
| Prime rating (kVA / kWe) | 140 kVA / 112 kWe |
| Power factor | 0.8 |
| Phase and voltage | 3-phase, 415 V |
| Frequency | 50 Hz |
| Rated current per phase at 415 V (A) | 222 |
| Noise | Less than 75 dB(A) at 1 m |
| Emission norm | CPCB IV+ |
| Model code | PKGVE-IV-140 |

### Alternator

| | |
|---|---|
| Make and model | Leroy-Somer LSA 44.3 L10 |
| Type | Brushless, self-excited |
| Insulation class | Class H |
| Protection | IP23 |
| Voltage regulation | ±1% with 4% engine governing |

### Enclosure

| | |
|---|---|
| Construction | 1.5 mm sheet steel, acoustic foam lining (26–28 kg/m³) |

### Electrical

| | |
|---|---|
| Controller | DEIF SGC 120 MKII |
| Battery (V) | 12 |
| Battery capacity | 150 Ah |

### Engine

| | |
|---|---|
| Make | VECV (Volvo Eicher) |
| Model | E694 TCIC |
| Gross power (bHp) | 200 |
| Cylinders | 6 |
| Aspiration | Turbocharged, intercooled |
| Displacement (L) | 5.65 |
| Speed (rpm) | 1,500 |
| Cooling | Liquid cooled |
| Governing class | Electronic, class A1 |

### Fuel

| | |
|---|---|
| Tank capacity (L) | 310 |
| Tank | CRCA steel, removable |
| Consumption at 100% load (L/h) | 37.44 |
| Consumption at 75% load (L/h) | 28.08 |
| Urea (DEF) tank | 27 L |

### Dimensions and weight

| | |
|---|---|
| L × W × H (mm) | 4,000 × 1,400 × 2,285 |
| Dry weight (kg) | 2,200 |

## Key features

**VECV E694 engine**
6-cylinder, turbocharged, intercooled, 200 bHp at 1,500 rpm, 5.65 L displacement. Electronic, class A1 governing.

**Leroy-Somer LSA 44.3 L10 alternator**
Brushless and self-excited, with Class H insulation and IP23 protection; voltage regulation ±1% with 4% engine governing.

**Acoustic canopy below 75 dB(A) at 1 m**
1.5 mm sheet steel, acoustic foam lining (26–28 kg/m$^3$).

**DEIF SGC 120 MKII controller**
Automatic start and stop, run-hour and energy counters, and protections for over- and under-voltage, over-current, over-speed, lube oil pressure, coolant temperature and fuel theft.

**Urea (DEF) tank for after-treatment**
27 L urea tank for the CPCB IV+ exhaust after-treatment system.

**310 L fuel tank**
Runs about 11 hours at 75% load on a full tank (28.08 L/h). CRCA steel, removable tank.

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