PKGBN-IV-200

# 200 kVA Diesel Genset

A 200 kVA CPCB IV+ diesel genset with a Baudouin 6M12G4D4/5 engine, in an acoustic canopy below 75 dB(A) at 1 m.



## Technical specifications

### Genset

| | |
|---|---|
| Prime rating (kVA / kWe) | 200 kVA / 160 kWe |
| Power factor | 0.8 |
| Phase and voltage | 3-phase, 415 V |
| Frequency | 50 Hz |
| Rated current per phase at 415 V (A) | 278.24 |
| Noise | Less than 75 dB(A) at 1 m |
| Emission norm | CPCB IV+ |
| Model code | PKGBN-IV-200 |

### Alternator

| | |
|---|---|
| Make and model | Leroy-Somer LSA 44.3 VL14 |
| Type | Brushless, self-excited |
| Insulation class | Class H |
| Protection | IP23 |
| Voltage regulation | ±0.5% (R250) or ±0.25% (D350) |

### Enclosure

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

### Electrical

| | |
|---|---|
| Controller | DEIF SGC 120 MKII |
| Battery (V) | 24 |
| Battery capacity | 2 × 150 Ah |

### Engine

| | |
|---|---|
| Make | Baudouin |
| Model | 6M12G4D4/5 |
| Gross power (bHp) | 292 |
| Cylinders | 6 |
| Aspiration | Turbocharged, aftercooled |
| Displacement (L) | 7.47 |
| Speed (rpm) | 1,500 |
| Cooling | Liquid cooled |
| Governing class | Electronic (ECU) |

### Fuel

| | |
|---|---|
| Tank capacity (L) | 480 |
| Tank | CRCA steel, removable, bunded |
| Consumption at 100% load (L/h) | 55.13 |
| Consumption at 75% load (L/h) | 40.89 |
| Urea (DEF) tank | 35 L |

### Dimensions and weight

| | |
|---|---|
| L × W × H (mm) | 4,500 × 1,520 × 2,103 |
| Dry weight (kg) | 3,250 |

## Key features

**Baudouin 6M12G4D4/5 engine**
6-cylinder, turbocharged, aftercooled, 292 bHp at 1,500 rpm, 7.47 L displacement. Electronic (ECU) governing.

**Leroy-Somer LSA 44.3 VL14 alternator**
Brushless and self-excited, with Class H insulation and IP23 protection; voltage regulation ±0.5% (R250) or ±0.25% (D350).

**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**
35 L urea tank for the CPCB IV+ exhaust after-treatment system.

**480 L fuel tank**
Runs about 12 hours at 75% load on a full tank (40.89 L/h). CRCA steel, removable, bunded tank.

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