PKGBN-IV-450

450 kVA Diesel Genset

A 450 kVA CPCB IV+ diesel genset with a Baudouin 6M21G4D4/5 engine, in an acoustic canopy below 75 dB(A) at 1 m.



Technical specifications

Genset

Prime rating (kVA / kWe)	450 kVA / 360 kWe
Power factor	0.8
Phase and voltage	3-phase, 415 V
Frequency	50 Hz
Rated current per phase at 415 V (A)	626
Noise	Less than 75 dB(A) at 1 m
Emission norm	CPCB IV+
Model code	PKGBN-IV-450

Alternator

Make and model	Leroy-Somer LSA 46.3 L11
Type	Brushless, self-excited
Insulation class	Class H
Protection	IP23
Voltage regulation	±0.5% (R250) or ±0.25% (D350)

Dimensions and weight

L × W × H (mm)	5,600 × 1,900 × 2,480
Dry weight (kg)	6,400

Engine

Make	Baudouin
Model	6M21G4D4/5
Gross power (bHp)	550
Cylinders	6
Aspiration	Turbocharged, aftercooled
Displacement (L)	12.54
Speed (rpm)	1,500
Cooling	Liquid cooled
Governing class	Electronic (ECU)

Fuel

Tank capacity (L)	990
Tank	CRCA steel, non-removable, bunded
Urea (DEF) tank	70 L

Enclosure

Construction	1.5 mm sheet steel, rockwool lining (96 kg/m³)

Electrical

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

Key features

Baudouin 6M21G4D4/5 engine
6-cylinder, turbocharged, aftercooled, 550 bHp at 1,500 rpm, 12.54 L displacement. Electronic (ECU) governing.

Leroy-Somer LSA 46.3 L11 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, rockwool lining (96 kg/m³).

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

990 L fuel tank
CRCA steel, non-removable, bunded tank.

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