PKGBN-IV-650

650 kVA Diesel Genset

A 650 kVA CPCB IV+ diesel genset with a Baudouin 6M33G2D4/5 engine, in an acoustic canopy below 75 dB(A) at 1 m.



Technical specifications

Genset

Prime rating (kVA / kWe)	650 kVA / 520 kWe
Power factor	0.8
Phase and voltage	3-phase, 415 V
Frequency	50 Hz
Rated current per phase at 415 V (A)	904
Noise	Less than 75 dB(A) at 1 m
Emission norm	CPCB IV+
Model code	PKGBN-IV-650

Alternator

Insulation class	Class H
Protection	IP23
Voltage regulation	±1% with 4% engine governing

Enclosure

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

Dimensions and weight

L × W × H (mm)	6,800 × 2,400 × 2,670
Dry weight (kg)	6,800

Engine

Make	Baudouin
Model	6M33G2D4/5
Gross power (bHp)	771
Cylinders	6
Aspiration	Turbocharged, aftercooled
Displacement (L)	19.6
Speed (rpm)	1,500
Cooling	Liquid cooled
Governing class	Electronic (ECU)

Fuel

Tank capacity (L)	990
Tank	CRCA steel, removable, bunded
Consumption at 100% load (L/h)	129.88
Consumption at 75% load (L/h)	101.12
Urea (DEF) tank	90 L × 2

Electrical

Controller	DEIF SGC 120 MKII
Battery (V)	24
Battery capacity	2 × 180 Ah

Key features

Baudouin 6M33G2D4/5 engine
6-cylinder, turbocharged, aftercooled, 771 bHp at 1,500 rpm, 19.6 L displacement. Electronic (ECU) governing.

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.

990 L fuel tank
Runs about 10 hours at 75% load on a full tank (101.12 L/h). CRCA steel, removable, bunded tank.

Acoustic canopy below 75 dB(A) at 1 m
1.5 mm sheet steel, rockwool lining (96 kg/m^3).

Urea (DEF) tank for after-treatment
90 L × 2 urea tank for the CPCB IV+ exhaust after-treatment system.

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