PKGEK-IV-10

10 kVA Diesel Genset

A 10 kVA single-phase CPCB IV+ diesel genset with an Escorts Kubota G15-IV engine, in an acoustic canopy below 75 dB(A) at 1 m.



Technical specifications

Genset

Prime rating (kVA / kWe)	10 kVA / 8 kWe
Power factor	0.8
Phase and voltage	1-phase, 230 V
Frequency	50 Hz
Noise	Less than 75 dB(A) at 1 m
Emission norm	CPCB IV+
Model code	PKGEK-IV-10

Alternator

Make and model	Leroy-Somer LSA 40 VS1
Type	Brushless, self-excited
Insulation class	Class H
Protection	IP23
Voltage regulation	±0.5% (R220) or ±0.25% (D350)

Enclosure

Construction	1.2 mm sheet steel, 25 mm acoustic foam lining (28 kg/m³)

Electrical

Controller	DEIF SGC 120 MKII
Battery (V)	12
Battery capacity	100 Ah

Engine

Make	Escorts Kubota
Model	G15-IV
Gross power (bHp)	14.8
Cylinders	2
Aspiration	Naturally aspirated
Displacement (L)	1.39
Speed (rpm)	1,500
Cooling	Liquid cooled
Governing class	Mechanical

Fuel

Tank capacity (L)	40
Tank	LLDPE, removable, bunded
Consumption at 100% load (L/h)	2.56
Consumption at 75% load (L/h)	1.96

Dimensions and weight

L × W × H (mm)	1,750 × 900 × 1,250
Dry weight (kg)	690

Key features

Escorts Kubota G15-IV engine
2-cylinder, naturally aspirated, 14.8 bHp at 1,500 rpm, 1.39 L displacement. Mechanical governing.

Acoustic canopy below 75 dB(A) at 1 m
1.2 mm sheet steel, 25 mm acoustic foam lining (28 kg/m³).

40 L fuel tank
Runs about 20 hours at 75% load on a full tank (1.96 L/h). LLDPE, removable, bunded tank.

Leroy-Somer LSA 40 VS1 alternator
Brushless and self-excited, with Class H insulation and IP23 protection; voltage regulation ±0.5% (R220) or ±0.25% (D350).

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.

CPCB IV+ compliant
Meets India's CPCB IV+ emission norms for gensets up to 800 kW.

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