PKGVEF-160

160 kVA GRP Genset

A 160 kVA CPCB IV+ diesel genset in Pai Kane's patented GRP composite enclosure, with a VECV (Volvo Eicher) E694 engine and gull-wing service doors.



Technical specifications

Genset

Prime rating (kVA / kWe)	160 kVA / 128 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	PKGVEF-160

Alternator

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

Enclosure

Construction	3 mm GRP composite, acoustic foam lining (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)	275
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)	3,960 × 1,760 × 2,430
Dry weight (kg)	2,200

Key features

Patented GRP enclosure
A glass-reinforced plastic shell that does not rust, is UV stable and weather resistant, and insulates thermally and electrically.

Gull-wing service doors
Doors lift on gas springs to open the whole set for service.

Low vibration, super silent
Composite enclosure with acoustic foam lining; below 75 dB(A) at 1 m.

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

275 L fuel tank
Runs about 10 hours at 75% load on a full tank (28.08 L/h). CRCA steel, removable tank.

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

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