PKGES-IV-20

20 kVA Diesel Genset

A 20 kVA CPCB IV+ diesel genset with an Escorts Kubota G20-IV engine, in an acoustic canopy below 75 dB(A) at 1 m.



Technical specifications

Genset

Prime rating (kVA / kWe)	20 kVA / 16 kWe
Power factor	0.8
Phase and voltage	3-phase, 415 V
Frequency	50 Hz
Rated current per phase at 415 V (A)	27.82
Noise	Less than 75 dB(A) at 1 m
Emission norm	CPCB IV+
Model code	PKGES-IV-20

Fuel

Tank capacity (L)	40
Tank	LLDPE, removable
Consumption at 100% load (L/h)	4.83
Consumption at 75% load (L/h)	3.07

Dimensions and weight

L × W × H (mm)	2,048 × 930 × 1,220
Dry weight (kg)	805

Engine

Make	Escorts Kubota
Model	G20-IV
Gross power (bHp)	24.14
Cylinders	3
Aspiration	Naturally aspirated
Displacement (L)	2.34
Speed (rpm)	1,500
Cooling	Liquid cooled
Governing class	Mechanical

Alternator

Make and model	Leroy-Somer LSA 40 H
Type	Brushless, self-excited
Insulation class	Class H
Protection	IP23
Voltage regulation	±1% with 4% engine governing

Enclosure

Construction	1.2 mm sheet steel, 25 mm acoustic foam lining (28 kg/m^3)

Electrical

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

Key features

Escorts Kubota G20-IV engine
3-cylinder, naturally aspirated, 24.14 bHp at 1,500 rpm, 2.34 L displacement. Mechanical governing.

Leroy-Somer LSA 40 H alternator
Brushless and self-excited, with Class H insulation and IP23 protection; voltage regulation ±1% with 4% engine governing.

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

Single-phase version available
Also built as a single-phase 230 V set with a Leroy-Somer LSAP 42.3 C alternator.

40 L fuel tank
Runs about 13 hours at 75% load on a full tank (3.07 L/h). LLDPE, removable tank.

Power Engineering (India) Pvt. Ltd.
58/A Tuem Industrial Estate, Pernem, Goa 403512
+91 91752 22136 · sales@paikane.com · https://paikanegenerators.com/products/20-kva-diesel-genset