

GENERATING SET POWERED BY VOLVO PENTA **KVP450 GENSET**

KHONAYSSER S.A.R.L.
MOTORS

At 1500rpm Prime Power 329KWe/411KVA, Standby Power 362KWe/452KVA

At 1800rpm Prime Power 364KWe/455KVA, Standby Power 401KWe/501KVA

Reliable & Powerful

The **KVP450** Genset is a powerful, reliable and economical diesel Generating Set. This combination is built on dependable Volvo Penta engine and Stamford (CGT) first class alternator.

Durability & Low Noise

Designed for easiest, fastest, and most economical installation. Approved combinations with engines coupled to single bearing alternators produce a smooth vibration free operation and low noise. Engine-Alternator is mounted on rigid steel base frame using Volvo Original Rubber Cushion for optimal vibration isolation.

Engine Low Exhaust Emission

The state of the art, high-tech injection and charging system with low internal losses contributes to excellent combustion and low fuel consumption. Complies with EU stage 2 and TA-luft -50% exhaust emission regulation.

Alternator Control & Regulation

Continuous development of the automatic voltage regulators is to reach the ultimate reliability and control.

Warranty

One year against all defects in material and / or workmanship, subject to the terms and conditions of the Manufacturer's warranty.

Easy Service & Maintenance

Easily accessible service, maintenance points and terminals contribute to the ease of service of the genset.

Maintained Performance

The standard genset may operate up to 1000m altitude and 40°C ambient air temperature without derating. The engine is not derated under any further condition, while the alternator is affected and re-selected accordingly.

General

Engine

- Tropical cooling system (55°C)
- Fully electronic with Volvo Penta EDC III
- Turbo charged
- Emission compliant
- Low noise level
- CANBUS interface SAE J1939

Alternator

- 12 wire reconnectable stator / terminal arrangement
- 2/3 pitch windings avoid excessive neutral currents.
- Single bearing construction with dynamically balanced rotor and sealed for life bearings.
- Class "H" insulation with severe environmental protection as standard.
- Built to confirm with all leading industrial and marine standards.

General

- Digital controller with LCD display
- Auto Start
- 3 pole circuit breaker
- Battery disconnecter switch
- Manual oil drain pump
- Stainless steel flexible
- Standard silencer
- Rigid steel base frame with lifting eyes
- Anti-vibration pads
- Fuel filter water separator
- Coolant "Ready Mix" (Volvo original)
- Oil VDS (Volvo original)

Control Panel

- Deep Sea digital controller; (UK origin) CANBUS J1939
- Steel sheet enclosure with hinged and lockable cover
- Emergency push button
- Alternator mounted & fixed with anti-vibration rubber pads
- Warm up and cooling functions, with built in exerciser
- Readings: (LCD display)
 - AC volts, AC currents, DC volts, frequency, rpm, hour counter, power factor
 - Oil pressure, water temperature, boost pressure and temperature, KW, kWh, KVA, KVAR, fuel consumption, relative load
- Fault indications are presented in plain english messages, along with errors related to engine controller
 - Low oil pressure, high coolant temperature, low oil level, high oil temperature
 - DC alternator failure, overspeed, over under voltage, over under current, over crank (Fail to start), any sensor failure
 - Low coolant level
- Configurable inputs & outputs
- RS232 modem link to PC via GSM network, Signal SMS messages



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Fea



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