GENERATING SET POWERED BY VOLVO PENTA

KVP450GENSET

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

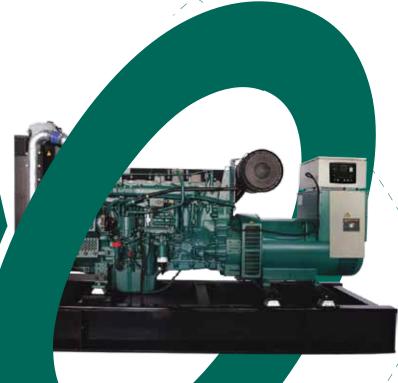
The state of the art,high-tech injection and charging system with low internal losses contributes to excellent combustion and low fuel consumption. Complies with EU stage 2 and TA-luft -50% exhaust emission regulation.

Alternator Control & Regulation

Continuous development of the automatic voltage regulators is to reach the ultimate reability 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.
- -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 pa/ds
- -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 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

KVP450GENSET

Fea





Naher El Mott- Beirut- Lebanon, Tel: + 961. 1. 87 00 78, Fax: + 961. 1. 87 47 95, P.O.Box: 70268 - Antelias;

Doha - Qatar, Tel: +974 445 030 86 Fax: +974 445 037 86, 441 61 944 P.O.Box: 11857;

Erbil - Iraq, Tel: +964 750 30 12 907, Tel: +964 770 04 44 466

Email: info@khonaysser.com, www.khonaysser.com