

TECHNICAL DATA

DIESEL GENERATING SET

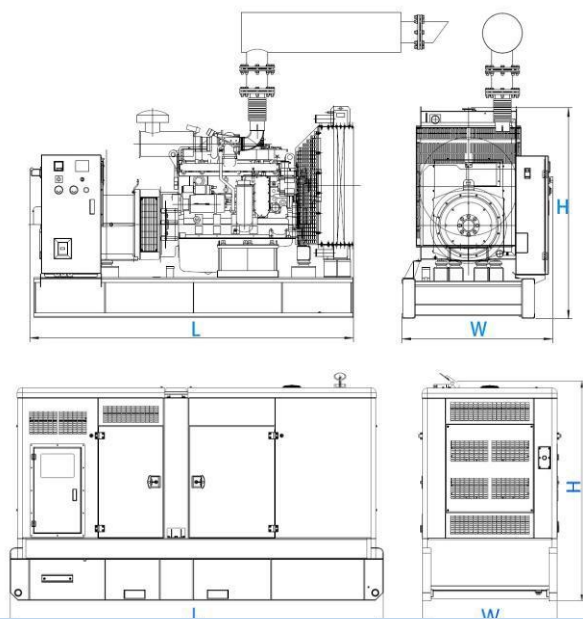


50HZ

VG60P

Standard Features

- Compact structure with high-strength chassis;
- Easy operation and maintenance, Low cost;
- Excellent performance damping system;
- Compliance with international electrical safety standards of electrical system;
- 8 hours base tank;
- High-performance maintenance-free batteries with isolation switch;
- 50°C Radiator;
- Top lifting, Forklift bottom hole design, easy to transport;
- Industrial muffler;
- Noise reduction structure, Low noise;
- Convenient power output interface;
- Deepsea Genset Control Module;
- Customized desing for usir;
- Manual & Operation Book for User



Dimension and Weight

Generating set model	Open Type	Silent Type
Length(L) (mm)	1740	2400
Width(W) (mm)	820	1050
Height(H) (mm)	1300	1350
Dry weight (k g)	969	1285
Tank capacity (L)	140	140

Genset Technical Data

Output frequency	50 HZ
Rated speed	1500 Rpm
Prime power	60 KVA / 48 kW
Standby power	66 KVA / 52.8 kW
Rated voltage	380/220 V
Phase	3
Noise dB(A) @7m	78 (Max)
Fuel consumption of 100% load	14.60 Litres/h
Fuel consumption of 75% load	10.80 Litres/h

Engine Specifications	
Engine manufacturer	PERKINS
Number of cylinders	3
Cylinder arrangement	Vertical in-line
Cycle	Four stroke
Aspiration	Turbocharged and Aftercooled
Bore Stroke (mm mm)	105 x 127
Displacement (Liter)	3.3
Compression Ratio	17.25 : 1
Prime power/speed	53.8 KW / 1500rpm
Standby power/speed	59.3 KW / 1500rpm
Speed governor	Electrical Governor
Cooling system	Water Cooled
Steady speed droop (%)	N/A
Total lubrication system capacity (L)	8.3
Coolant capacity (L)	10.2
Fuel consumption at 100% load(Ltr/H)	14.60 (at 1500RPM)
Starter motor	DC 12V
Alternator	DC 12V
Alternator Specifications	
Rated output prime power	60 kVA
AVR Type	SX440
Rated speed	1500 RPM
Rated frequency	50 Hz
Phase	3
Rated voltage	380/220 V
Exciter type	Self excitation, Brushless
Power factor	0.8
Voltage adjust range	≥5%
Voltage regulation	± 1.0 %
Insulation grade	H
Protection grade	IP23
Winding Stator	Double Layer Lap
Winding Pitch	Two Third
Winding Leads	12
Waveform Distortion	No Load < 1.5% Non Distorting Balanced Linear Load < 5.0%
Maximum Overspeed	2250 rev/min
Optional	
Optional Alternator brand	N/A
Optional Alternator model	N/A
Rated output prime power	N/A

Control System

Deepsea

Main Features

- AMF and ATS and communication and expansion function
- Designed to work with electronic or non-electronic or gas engine simultaneously. (support many kinds of engines ECU).
- Manual, Automatic, Test and remote control mode selectable.
- Monitoring and measuring operational parameters of the mains supply and genset.
- Indicating operation status, fault conditions, all parameters and alarms
- Multiple protections and multiple parameters display.
- Includes 12 inputs and eight outputs. 8 inputs are configurable and 4 outputs are configurable.
- Can be programmed using the front panel or by using the PC software.
- Support twelve languages. The language was edited by customer.
- Graded protection: pre-alarm, shutdown and electrical trip, flexible setting.
- The module can be pre-set for four operating modes and protecting parameters.
- The firmware can be updated automatically, so customer can have the latest version.



Protecting Functions

- Over frequency / under frequency
- Over voltage / under voltage
- Over current
- Over speed /under speed
- Emergency stop
- Low oil pressure
- High water temperature
- Failure to start/Failure to stop
- Battery charger failure
- Comprehensive shutdown or warning on fault condition

Contact Us

VGEN by Rajawali Diesel reserves the right to make changes in model, technical specification, color, configuration and accessories without prior notice. Please contact the salesman before ordering.

DISTRIBUTED BY:

© Manufactured by VGEN, All right reserved.