

50 KVA

INHERITING FROM THE WORLD'S LEADING TECHNOLOGY 1004G POWER PACK IN LINE PUMP

GENSET POWER	
40kWm	1500rev/min
44kWm	1800rev/min

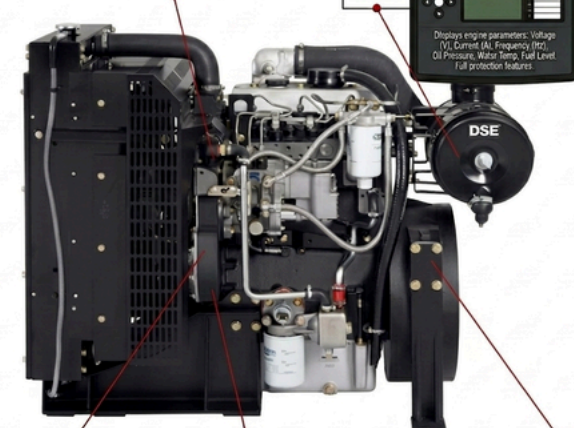
ENGINE OVERVIEW
Model: 1004G
Induction: Naturally aspirated

Performance: An excellent combustion system increases power output. Reductions in fuel, emissions, and noise are significant. All routine service points are accessible.

MAJOR COMPONENTS

Deep Sea Electronics
DSE

CONTROL PANEL
Displays engine parameters: Voltage (V), Current (A), Frequency (Hz), Oil Pressure, Water Temp, Fuel Level, Full protection features.



Technical Specifications

- Lub. System Capacity: 8.5 liters
- Coolant Cap (w/ rad): 17.6 liters
- Fan: 20" pusher fan
- Induction: Naturally aspirated

PERFORMANCE & POWER RATINGS

At 1500 rev/min
Prime: 40 kWm (53.6 bhp)
Standby: 44 kWm (59 bhp)

Standard Equipment & Systems

- In-line fuel injection pump
- Spin-on full flow fuel filter and pre-filter
- Lub. System Capacity: 8.5 liters
- Radiator
- 20" belt-driven pusher fan and guards

ENGINE KEY FEATURES & PERFORMANCE

High Power Density:

Power output and torque per liter are superrorto normal level with optimized structure strengthening.

Low Fuel Consumption:

The excellent combustion system can reduce fuel consumption, emrssion and noise, meanwhile increase engine power oulput.

Easy Maintenance:

All routine service items are situated on the right hand side of engine allowing easy maintenance and minimum machine downtime.

Durability & Reliability:

Start normally at -10c without preheated device, start smoothly at -25c through flame glow plug cold start aid. Maximum cooling efficiency is provided by a gear driven water pump and independentfan drive. Leak free operation is ensured by Viton crankshaft seals and sophisticated controlled swell joints, giving protection in the toughest conditions.

Engine Speed (rev/min)	Type of Operation	Gen Output KVA (Net)	Gen Output kW (Net)	Engine Gross (kWm)	Engine Gross (bh)	Engine Net (kWm)	Engine Net (bh)
1500	prime power	44.4	35.5	42	56.3	40	53.6
1500	standby power	48.4	38.7	46	61.6	44	59
1800	prime power	48.7	39	47	63	44	59
1800	standby power	53.3	42.6	51	68.3	48	64.3

STANDARD SPECIFICATION

Air inlet: Mounted air filter

Fuel system: In line fuel injection pump

Spin-on full flow fuel filter and pre-filter

Lubrication system: Flat bottomed aluminum sump Spin-on full flow oil filter Oil cooler

Cooling system: Thermostat controlled cooling system with gear driven water pump

Radiator: 20" belt-driven pusher fan and guards

Electrical system: 12 volt starter motor and alternator Oil pressure and water temperature switch & sensor

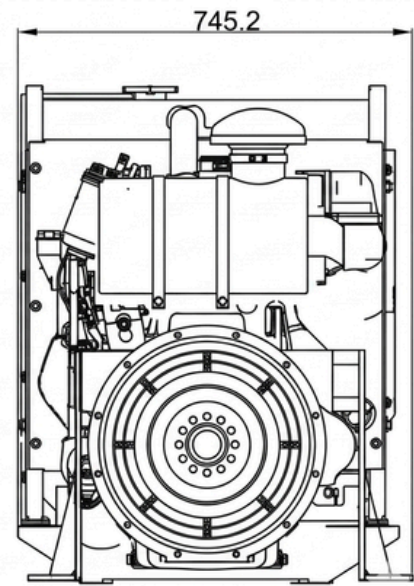
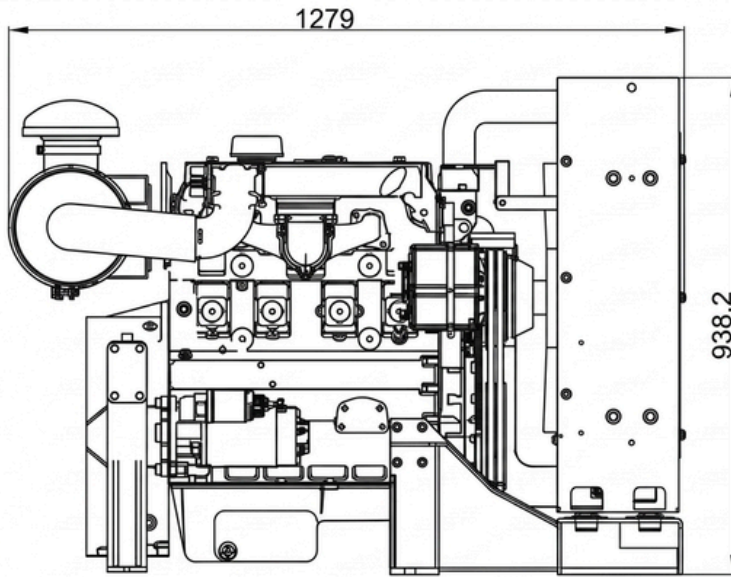
12 volt shut down solenoid

Flywheel and housing: High inertia flywheel, size : 10/11vz SAE3 flywheel housing

Mountings: Front engine mounting bracket

Optional Equipment

- 24 volt alternator
- 24 volt starter motor



GENERAL SPECIFICATION

SPECIFICATION	DETAILS
Cylinder number	4
Cylinder arrangement	Vertical, in-line
Bore / stroke	100mm / x127mm
Displacement	3.99 liters
Induction	Naturally aspirated
Cycle	4-stroke
Combustion system	Direct injection
Compression ratio	16.5:1
Direction of Rotation	Clockwise viewed from fan
Lub. System Capacity	8.5 liters
Coolant capacity (inc. radiator)	17.6 liters
Length	1279 mm
Width	745 mm
Height	938 mm
Net weight	520 kg

Final weight and dimensions will depend on final specification.