

70 KVA

INHERITING FROM THE WORLD'S LEADING TECHNOLOGY

1004TGPOWER PACKIN-LINE PUMP

GENSET POWER	
65.7 kWm	1500 rev/min
75.6 kWm	1800 rev/min

ENGINE OVERVIEW
Model: 1004TG POWER PACK

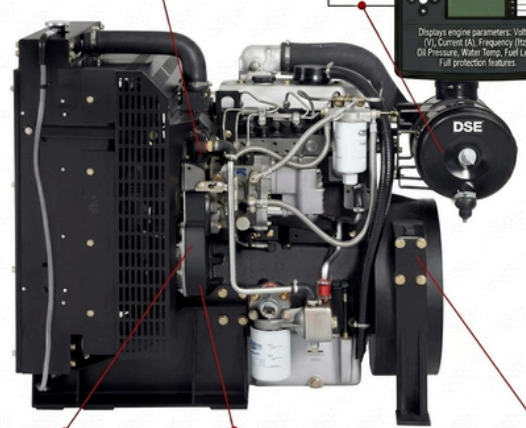
Performance: An excellent combustion system increases power output. Reductions in fuel, emissions, and noise are significant. All routine service points are accessible.

MAJOR COMPONENTS

CONTROL PANEL

Deep Sea Electronics
DSE

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



Technical Specifications

Cylinder Number 4
Bore & Stroke 100x127mm
Coolant Cap (w/rad)
Net Weight 550 kg

PERFORMANCE & POWER RATINGS

At 1500 rev/min
Prime: 65.7 kWm
Standby: 72.3 kWm

At 1800 rev/min
Prime: 75.6 kWm
Standby: 83.2 kWm

Standard Equipment & Systems

- Air inlet
- Fuel system
- Electrical: 12v starter & shutdown.

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	Typical Generator Output (Net)	Typical Generator Output (Net)	Engine Power Gross	Engine Power Gross	Engine Power Net	Engine Power Net
		kVA	kW	kWm	bh	kWm	bh
1500	prime power	73.9	59.1	67.4	90.4	65.7	88.1
	standby power	81.3	65	74.2	99.5	72.3	97
1800	prime power	85	68	78.2	104.9	75.6	101.4
	standby power	93.6	74.8	86	115.3	83.2	111.6

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

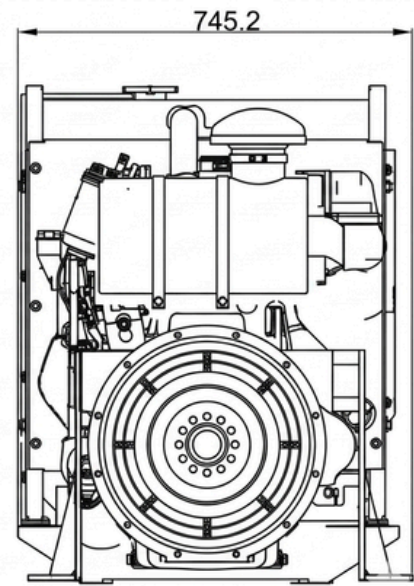
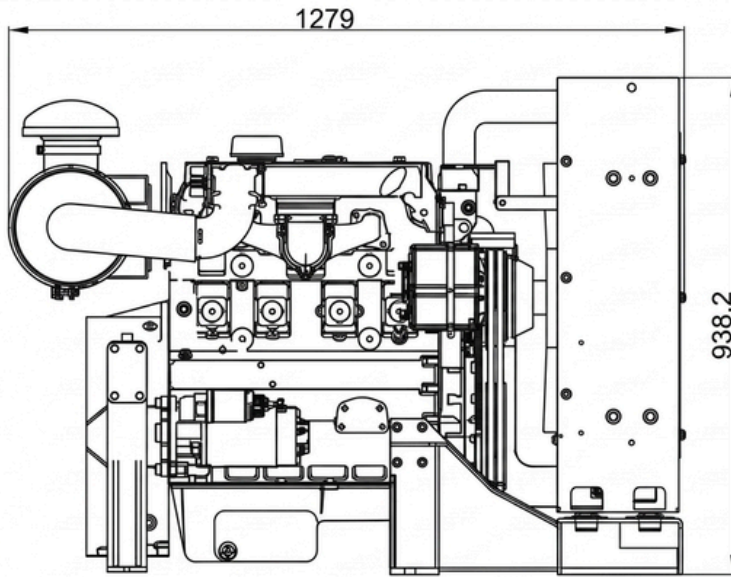
12 volt shut down solenoid

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 / 127mm
Displacement	3.99 liters
Induction	Turbocharged
Cycle	4-stroke
Combustion system	Direct injection
Compression ratio	17.5:1
Direction of Rotation	Clockwise viewed from fan
Lub. System Capacity	8.5 liters
Coolant capacity (inc. radiator)	20.6 liters
Length	1279 mm
Width	745.2 mm
Height	938.2 mm
Net weight	550 kg

Final weight and dimensions will depend on final specification.