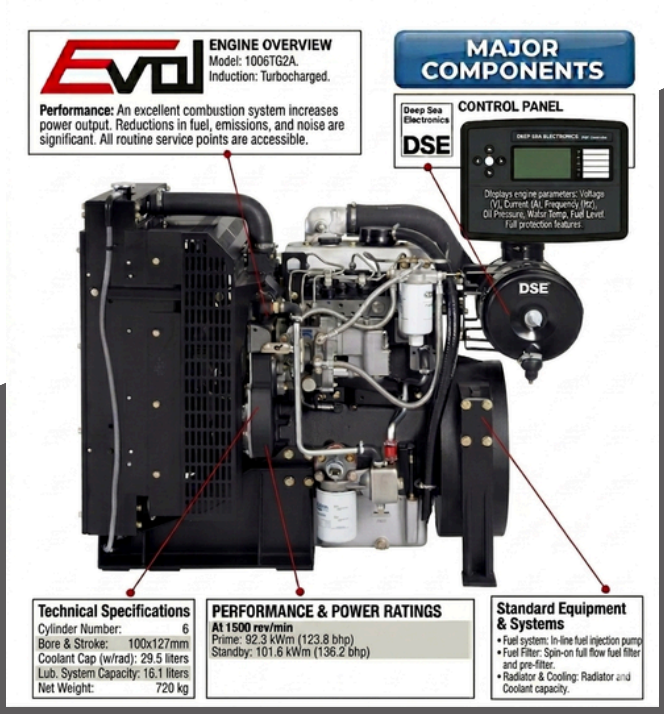
SMART POWER GENERATION

100 KVA

INHERITING FROM THE WORLD'S LEADING TECHNOLOGY

1006TG2APOWER PACKIN-LINE PUMP

GENSET POWER	
92.3 kWm	1500 rev/min
108.4kWm	1800 rev/min



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) kVA	Typical Generator Output (Net) kW	Engine Power Gross kWm	Engine Power Gross bh	Engine Power Net kWm	Engine Power Net bh
1500	prime power	103.9	83.1	94.4	126.6	92.3	123.8
	standby power	114.3	91.4	103.8	139.2	101.6	136.2
1800	prime power	121.9	95.7	112.4	150.7	108.4	145.4
	standby power	134.1	107.3	123.6	165.7	119.2	159.8

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 filterOil 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

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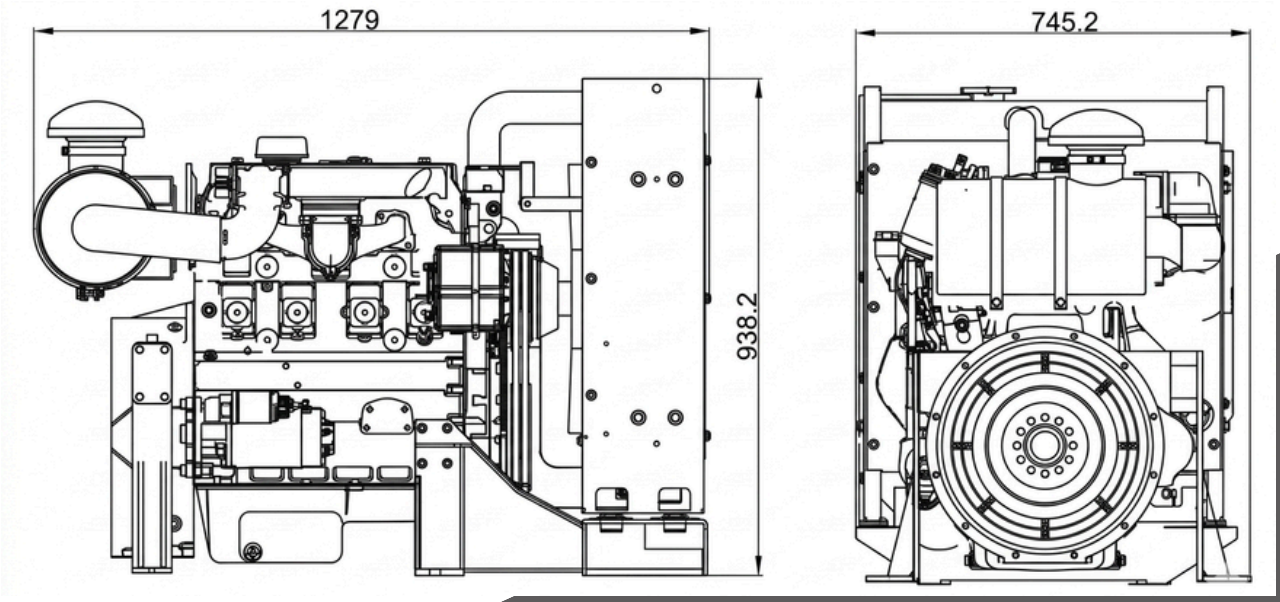

GENERAL SPECIFICATION

SPECIFICATION	DETAILS
Cylinder number	6
Cylinder arrangement	Vertical, in-line
Bore / stroke	100mm / 127mm
Displacement	5.99 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	16.1 liters
Coolant capacity (inc. radiator)	29.5 liters
Length	1546 mm
Width	759 mm
Height net	1106 mm
weight	710 kg
Final weight and dimensions will depend on final specification.	