



INHERITING FROM THE WORLD'S  
LEADING TECHNOLOGY

**1004G**  
POWER PACK  
IN-LINE PUMP

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

- **High Power Density**  
Power output and torque per liter are superior to normal level with optimized structure strengthening.
- **Low Fuel Consumption**  
The excellent combustion system can reduce fuel consumption, emission and noise, meanwhile increase engine power output.
- **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 10°C without preheated device, start smoothly at -25°C through flame glowplug cold start aid. Maximum cooling efficiency is provided by a gear driven water pump and independent fan 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)		Engine Power			
				Gross		Net	
		KVA	kW	kWm	bh	kWm	bh
1500	prime power	44.4	35.5	42	56.3	40	53.6
	standby power	48.4	38.7	46	61.6	44	59
1800	prime power	48.7	39	47	63	44	59
	standby power	53.3	42.6	51	68.3	48	64.3

Rating Base: ISO 8528, GB/T2820  
Lubricating oil: API CF



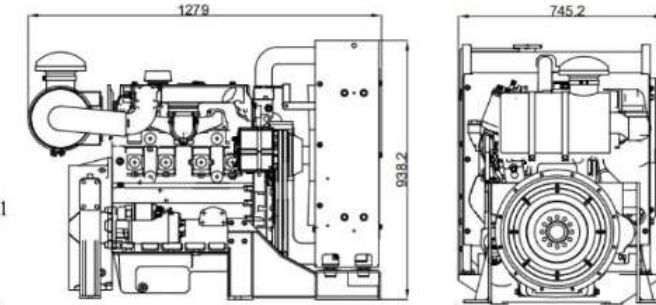
INHERITING FROM THE WORLDS  
LEADING TECHNOLOGY

**1004G**  
POWER PACK  
IN-LINE PUMP

**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 Data**

Cylindernumber	4
Cylinder arrangement	Vertical, in-line
Bore*stroke	100 mmx127 mm
Displacement	3.99 liters
Induction	Naturally aspirated
Cycle	4-stroke
Combustion system	Direct injection
Compression ratio	165:1
Direction of Rotation	Clockwise viewed from fan
Lub. System Capacity	8.5 liters
Coolant capacity (inc. radiator)	17.6 liters
Length	1279mm
Width	745 mm
Height	938 mm
net weight	520 kg

Final weight and dimensions will depend on final specification.