

# INHERITING FORM THE WORLD'S LEADING TECHNOLOGY LOVOL ENGINES



## 1006TG1A GENSET POWER

**84.3 kWm 1500 rev/min**

**97.6 kWm 1800 rev/min**

### Power Generation Application

#### High Power Density

More power output than competing products with close displacement, the power of 3-cylinder engine can reach the same level as 4-cylinder ones of competitor.

#### Low Fuel Consumption

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

#### Easy maintenance

Single side servicing for reduced service time and cost.

#### Durability & Reliability

Start normally at -10°C without preheated device, start smoothly at -25°C through flame glow plug 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	kWe	kWm	bhp	kWm	bhp
1500	Prime Power	94.8	75.8	86.3	115.7	84.3	113.1
	Standby Power	104.3	83.4	94.9	127.3	92.7	124.3
1800	Prime Power	109.8	87.8	101.6	136.2	97.6	131.0
	Standby Power	120.7	96.6	111.7	149.8	107.3	144.0

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# INHERITING FORM THE WORLD'S LEADING TECHNOLOGY

## LOVOL ENGINES

### 1000 Series 1006TG1A

#### Standard Specification

##### Air inlet

- ✘ Mounted air filter and turbocharger

##### Fuel system

- ✘ In-line fuel injection pump
- ✘ Spin-on full flow fuel oil filters and pre-filter

##### Lubrication system

- ✘ Flat bottomed aluminium sump
- ✘ Spin-on full flow oil filters
- ✘ Oil cooler

##### Cooling system

- ✘ Thermostat controlled cooling system with gear driven water pump
- ✘ 22" belt-driven pusher fan and guards

##### Electrical system

- ✘ 12 volt starter motor and alternator
- ✘ 12 volt oil Pressure and coolant temperature switches
- ✘ 12 volt shut down solenoid

##### Flywheel and housing

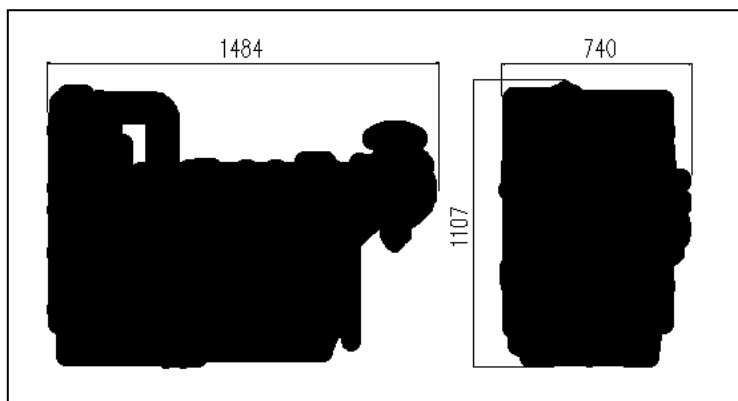
- ✘ High inertia flywheel to SAE3 size 10/11½

##### Mountings

- ✘ Front engine mounting bracket

#### Optional Equipment

- ✘ 24 volt alternator
- ✘ 24 volt starter motor
- ✘ Rear engine mountings
- ✘ Workshop manual



#### General Data

Cylinder number	6 in-line
Cylinder arrangement	Vertical in-line
Bore×stroke	100 mm×127 mm
Displacement	5.99 liters
Induction	Turbocharged
Cycle	4-stroke
Combustion system	Direct injection
Compression ratio	17.5:1
Direction of Rotation	Anti-clockwise viewed on flywheel
Lub. System Capacity	16.1 liters
Coolant capacity (inc. radiator)	29.5 liters
Length	1484mm
Width	740 mm
Height	1107 mm
Dry weight	710 kg

Final weight and dimensions will depend on final specification.



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