

Inheriting from the world's leading technology

LOVOL



FAMCO
هایپرمنعت

Leading technology, Strong power, Good fuel economy and environmental protection, Excellent manufacture

- **High Power Density**
More power than competitive models at close displacement, the power of 3-cylinder can reach 4-cylinder level of competitor.
- **Low Fuel Consumption**
Adopted European patent Quadram combustion chamber which can reduce fuel consumption, emission and noise, meanwhile Diesel Engine With In-line Pump For Gensets raises engine power.
- **Good Performance of Cold Start**
Started normally at -10°C without preheater, started smoothly at -25°C through flame preheating cold start device, meanwhile -40°C start solution is available.
- **Stability & Reliability**
Stable and reliable engine performance, good market feedback.



Lovol 1000 Series Diesel Engine for Generating Set



28 kWm 1500 rev/min

30 kWm 1800 rev/min

Power Generation Application

High Power Density

Power output and torque per liter are superior to normal level with optimized structure strengthening design.

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.

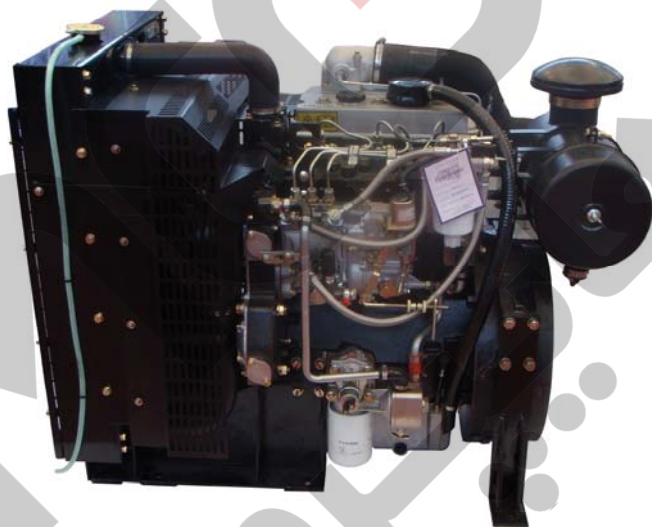
Durability & Reliability

Start normally at -10°C without preheated device, start smoothly at -25°C through flame 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.

1003G POWER PACK



Engine Speed (rev/min)	Type of Operation	Typical Generator Output (Net)		Engine Power			
		kVA	kWe	Gross		Net	
				kWm	bhp	kWm	bhp
1500	Prime Power	27.5	22.0	30.0	40.2	28.0	37.6
	Standby Power	32.5	26.0	32.8	44.0	30.8	41.3
1800	Prime Power	33.8	27.0	33.0	44.3	30.0	40.2
	Standby Power	37.5	30.0	36.0	48.3	33.0	44.3

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

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روبروی پالایشگاه نفت پارس، پلاک ۱۳

1000 Series 1003G

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
- ✘ 20" belt-driven pusher fan and guards

Electrical system

- ✘ 12 volt starter motor and alternator
- ✘ Oil pressure and coolant temperature switches & sensor
- ✘ 12 volt shut down solenoid

Flywheel and housing

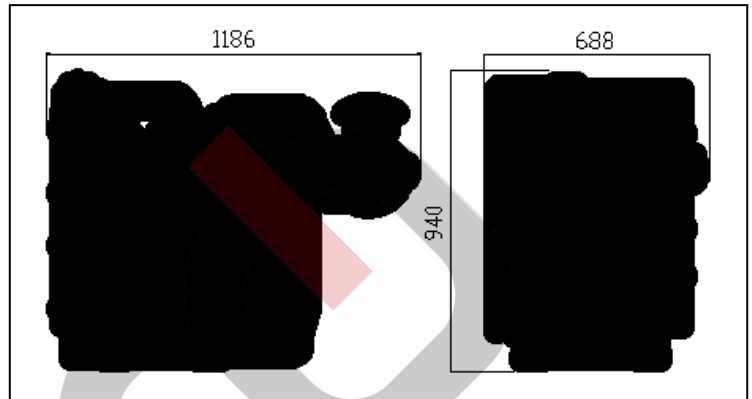
- ✘ High inertia flywheel to SAE3 size 10/11½

Mountings

- ✘ Front engine mounting bracket

Optional Equipment

- ✘ 24 volt alternator
- ✘ 24 volt starter motor



General Data

Cylinder number	3 in-line
Cylinder arrangement	Vertical in-line
Bore×stroke	100 mm×127 mm
Displacement	2.99 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	8.1 liters
Coolant capacity (inc. radiator)	15.9 liters
Length	1186 mm
Width	688 mm
Height	940 mm
Dry weight	410 kg

Final weight and dimensions will depend on final specification.



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All information in this document is substantially correct at the time of printing and may be altered subsequently.



40 kWm 1500 rev/min

44 kWm 1800 rev/min

Power Generation Application

High Power Density

Power output and torque per liter are superior to normal level with optimized structure strengthening design.

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 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.



1004G POWER PACK

Engine Speed (rev/min)	Type of Operation	Typical Generator Output (Net)		Engine Power			
				Gross		Net	
		kVA	kWe	kWm	bhp	kWm	bhp
1500	Prime Power	44.4	35.5	42.0	56.3	40.0	53.6
	Standby Power	48.4	38.7	46.0	61.6	44.0	59.0
1800	Prime Power	48.7	39.0	47.0	63.0	44.0	59.0
	Standby Power	53.3	42.6	51.0	68.3	48.0	64.3

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

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1000 Series 1004G

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
- ✘ 20" belt-driven pusher fan and guards

Electrical system

- ✘ 12 volt starter motor and alternator
- ✘ Oil pressure and coolant temperature switches & sensor
- ✘ 12 volt shut down solenoid

Flywheel and housing

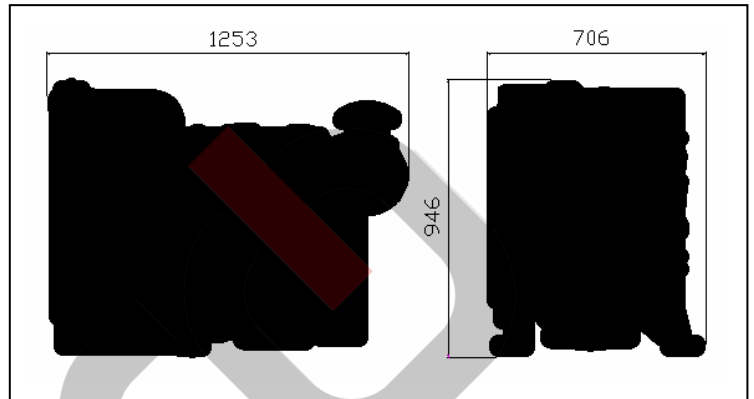
- ✘ High inertia flywheel to SAE3 size 10/11½

Mountings

- ✘ Front engine mounting bracket

Optional Equipment

- ✘ 24 volt alternator
- ✘ 24 volt starter motor



General Data

Cylinder number	4 in-line
Cylinder arrangement	Vertical in-line
Bore×stroke	100 mm×127 mm
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	1253mm
Width	706 mm
Height	946 mm
Dry weight	540 kg

Final weight and dimensions will depend on final specification.



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44 kWm 1500 rev/min

50 kWm 1800 rev/min

Power Generation Application

High Power Density

Power output and torque per liter are superior to normal level with optimized structure strengthening design.

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 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.

**1003TG
 POWER PACK**



Engine Speed (rev/min)	Type of Operation	Typical Generator Output (Net)		Engine Power			
				Gross		Net	
		kVA	kWe	kWm	bhp	kWm	bhp
1500	Prime Power	43.7	35.0	46.0	61.7	44.0	59.0
	Standby Power	47.5	38.0	50.0	67.0	48.0	64.3
1800	Prime Power	53.7	43.0	53.0	71.1	50.0	67.0
	Standby Power	60.0	48.0	58.0	77.8	55.0	73.7

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

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1000 Series 1003TG

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
- ✘ 20" belt-driven pusher fan and guards

Electrical system

- ✘ 12 volt starter motor and alternator
- ✘ Oil pressure and coolant temperature switches & sensor
- ✘ 12 volt shut down solenoid

Flywheel and housing

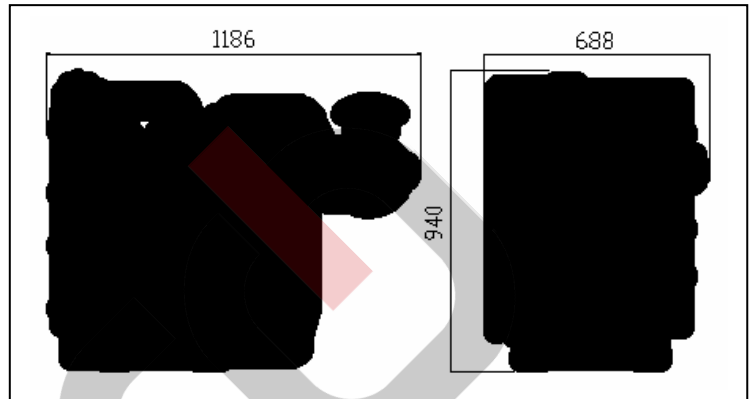
- ✘ High inertia flywheel to SAE3 size 10/11½

Mountings

- ✘ Front engine mounting bracket

Optional Equipment

- ✘ 24 volt alternator
- ✘ 24 volt starter motor



General Data

Cylinder number	3 in-line
Cylinder arrangement	Vertical in-line
Bore×stroke	100 mm×127 mm
Displacement	2.99 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	8.1 liters
Coolant capacity (inc. radiator)	15.9 liters
Length	1186 mm
Width	688 mm
Height	940 mm
Dry weight	415 kg

Final weight and dimensions will depend on final specification.



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65.7 kWm 1500 rev/min

75.6 kWm 1800 rev/min

Power Generation Application

High Power Density

Power output and torque per liter are superior to normal level with optimized structure strengthening design.

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 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.

1004TG POWER PACK



Engine Speed (rev/min)	Type of Operation	Typical Generator Output (Net)		Engine Power			
				Gross		Net	
		kVA	kWe	kWm	bhp	kWm	bhp
1500	Prime Power	73.9	59.1	67.4	90.4	65.7	88.1
	Standby Power	81.3	65.0	74.2	99.5	72.3	97.0
1800	Prime Power	85.0	68.0	78.2	104.9	75.6	101.4
	Standby Power	93.6	74.8	86.0	115.3	83.2	111.6

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

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1000 Series 1004TG

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
- ✘ 20" belt-driven pusher fan and guards

Electrical system

- ✘ 12 volt starter motor and alternator
- ✘ Oil pressure and coolant temperature switches & sensor
- ✘ 12 volt shut down solenoid

Flywheel and housing

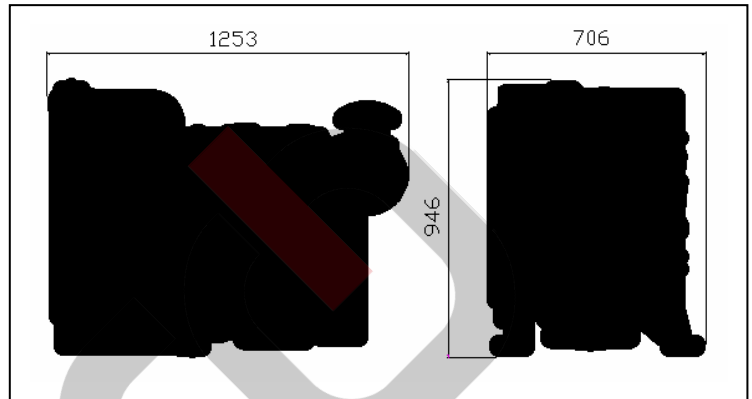
- ✘ High inertia flywheel to SAE3 size 10/11½

Mountings

- ✘ Front engine mounting bracket

Optional Equipment

- ✘ 24 volt alternator
- ✘ 24 volt starter motor



General Data

Cylinder number	4 in-line
Cylinder arrangement	Vertical in-line
Bore×stroke	100 mm×127 mm
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	1253mm
Width	706 mm
Height	946 mm
Dry weight	550 kg

Final weight and dimensions will depend on final specification.



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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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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

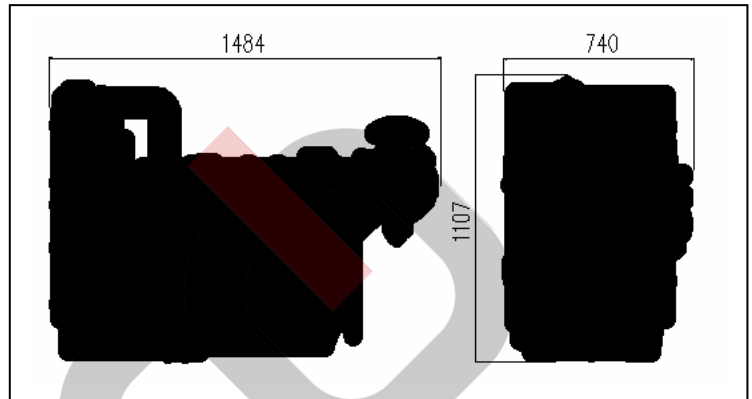
- ✘ High inertia flywheel to SAE3 size 10/11½

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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1006TG1A POWER PACK

84.3 kWm 1500 rev/min

97.6 kWm 1800 rev/min

Power Generation Application

High Power Density

Power output and torque per liter are superior to normal level with optimized structure strengthening design.

Low Fuel Consumption

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

Easy Maintenance

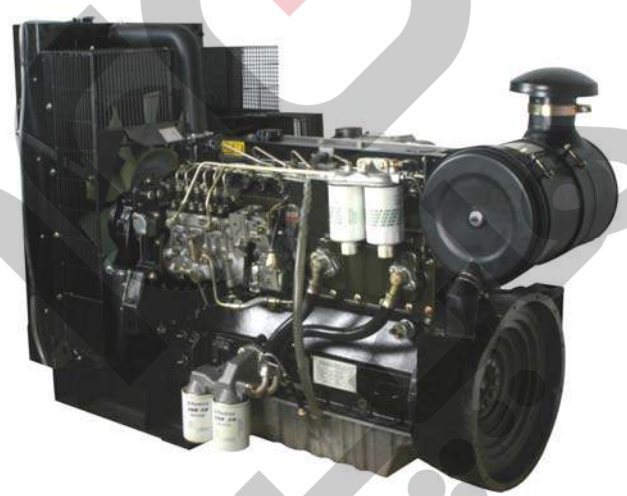
All routine service items are situated on the right hand side of engine allowing easy maintenance and minimum machine downtime.

Durability & Reliability

Start normally at -10°C without preheated device, start smoothly at -25°C through flame 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

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

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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
- ✘ Oil pressure and coolant temperature switches & sensor
- ✘ 12 volt shut down solenoid

Flywheel and housing

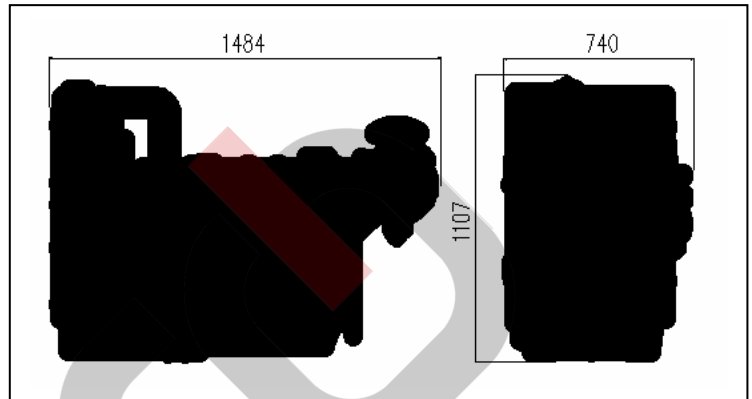
- ✘ High inertia flywheel to SAE3 size 10/11½

Mountings

- ✘ Front engine mounting bracket

Optional Equipment

- ✘ 24 volt alternator
- ✘ 24 volt starter motor



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	Clockwise viewed from fan
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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92.3 kWm 1500 rev/min

108.4 kWm 1800 rev/min

Power Generation Application

High Power Density

Power output and torque per liter are superior to normal level with optimized structure strengthening design.

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.

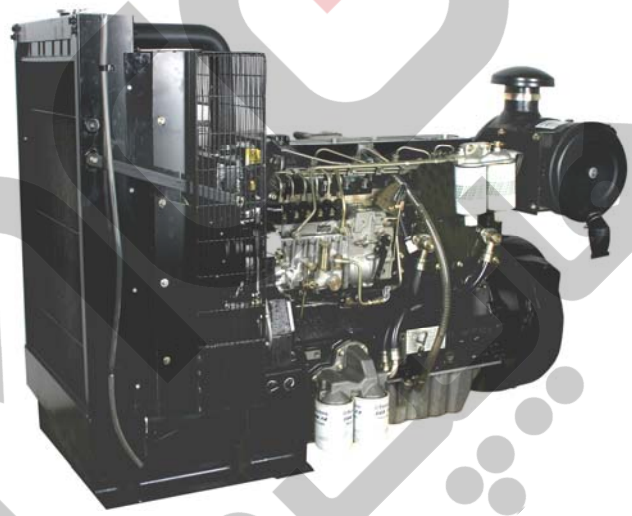
Durability & Reliability

Start normally at -10°C without preheated device, start smoothly at -25°C through flame 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.

1006TG2A POWER PACK



Engine Speed (rev/min)	Type of Operation	Typical Generator Output (Net)		Engine Power			
				Gross		Net	
		kVA	kWe	kWm	bhp	kWm	bhp
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

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

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1000 Series 1006TG2A

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
- ✘ Oil pressure and coolant temperature switches & sensor
- ✘ 12 volt shut down solenoid

Flywheel and housing

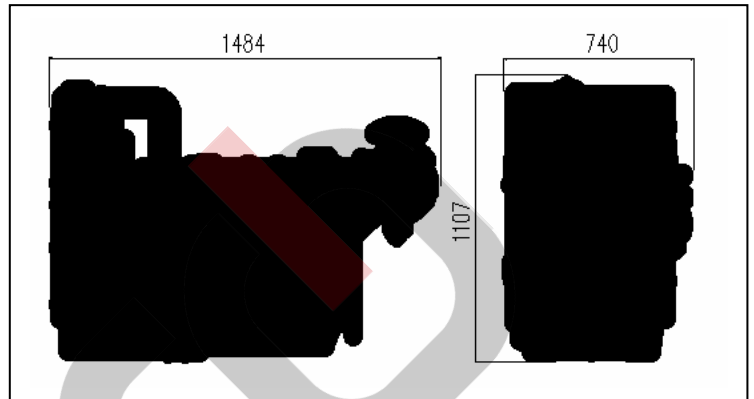
- ✘ High inertia flywheel to SAE3 size 10/11½

Mountings

- ✘ Front engine mounting bracket

Optional Equipment

- ✘ 24 volt alternator
- ✘ 24 volt starter motor



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	Clockwise viewed from fan
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.



Tianjin Lovol Engines Co., Ltd.

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All information in this document is substantially correct at the time of printing and may be altered subsequently.





121 kWm 1500 rev/min

134 kWm 1800 rev/min

Power Generation Application

High Power Density

Power output and torque per liter are superior to normal level with optimized structure strengthening design.

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 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.

1006TAG POWER PACK



Engine Speed (rev/min)	Type of Operation	Typical Generator Output (Net)		Engine Power			
				Gross		Net	
		kVA	kWe	kWm	bhp	kWm	bhp
1500	Prime Power	136.0	109.0	128.4	171.4	121.0	162.3
	Standby Power	150.0	120.0	141.0	187.7	134.0	179.0
1800	Prime Power	151.0	120.5	144.2	193.8	134.0	179.7
	Standby Power	165.5	132.5	158.5	212.1	147.0	197.1

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

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تهران، کیلومتر ۲۱ بزرگراه لشکری (جاده مخصوص کرج)
روبروی پالایشگاه نفت پارس، پلاک ۱۲

1000 Series 1006TAG

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
- ✘ 25" belt-driven pusher fan and guards

Electrical system

- ✘ 12 volt starter motor and alternator
- ✘ Oil pressure and coolant temperature switches & sensor
- ✘ 12 volt shut down solenoid

Flywheel and housing

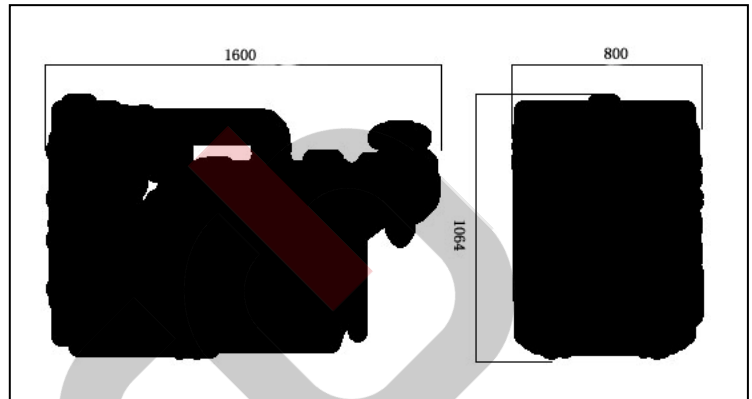
- ✘ High inertia flywheel to SAE3 size 10/11½

Mountings

- ✘ Front engine mounting bracket

Optional Equipment

- ✘ 24 volt alternator
- ✘ 24 volt starter motor



General Data

Cylinder number	6 in-line
Cylinder arrangement	Vertical in-line
Bore×stroke	100 mm×127 mm
Displacement	5.99 liters
Induction	Turbocharged and intercooled
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)	22.8 liters
Length	1600 mm
Width	800 mm
Height	1064 mm
Dry weight	730 kg

Final weight and dimensions will depend on final specification.



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REAL EUROPEAN TECHNOLOGY
IMPORTED 欧洲科技 一脉传承

130kWm 1500rev/min
143kWm 1800rev/min

1100 SERIES
1106C-P6TAG2

Engine Advantages

■ **Dependable Power**

Lovol newly developed G-drive diesel engines of 1100 series provide better reliability and bigger power output, by adopting four-valve technology and strengthened major and moving components, such as cylinder block, cylinder head, crankshaft, connecting rod and so on.
1106C-P6TAG2 engine provides greater productivity through an improved power to weight ratio.

Without pre-heater device, engines can be normally started at the temperature of -10°C; With pre-heater device, engines can be normally started at the temperature of -30°C; Engine also has been designed with -40°C starting aid for excellent load acceptance to ensure your facility is powered quickly at all conditions.
The maximum working environmental temperature for the engine is 55°C.

■ **Low Operating Costs**

Service intervals are set at 300 hours as standard. The most competitive warranty policy is also provided.

■ **Flexibility**

The 1100 series has been designed to hit all the main power nodes, perfect for rental business or to help reduce your engine inventory.

■ **Professional Product Support**

Through an experienced global network of distributors and dealers, fully trained engine experts deliver total service support and dedicate to maximizing the productivity of your engine.



REAL EUROPEAN TECHNOLOGY
IMPORTED 欧洲科技 一脉传承

Standard Configuration
Induction system

Air filter,
turbocharger+intercooler

Fuel system

In-line pump +GAC governor
Spin-on full flow fuel filters
Pre-filter

Lubrication system

Flat aluminum oil sump
Spin-on full flow oil filters

Cooling system

Thermostat controlled by gear driven water pump
635mm belt-driven pusher fan
Radiator assy. (including air-air intercooler, tubes and fin)

Electrical system

12V Starter motor and alternator
12V stop solenoid
Oil pressure and water temperature sensor

Flywheel and housing

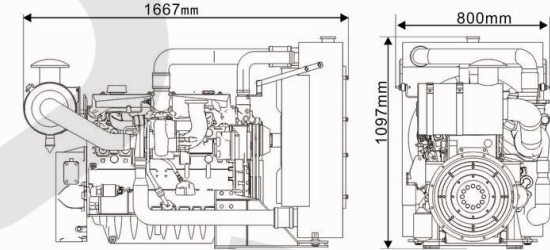
High inertia flywheel
SAE 3 flywheel housing

Accessory

Front engine mountings

Options

24V Alternator
24V Starter motor



Main parameters

Number of cylinders	6
Arrangement of cylinders	In-line
Bore × stroke	100 mm × 127 mm
Displacement (L)	5.98
Aspiration	Turbocharged and intercooled
Cycle	4-stroke
Combustion system	Direct injection
Compression ratio	17.5:1
Total lubrication capacity	19.3L
Total coolant capacity (inc. radiator)	27.9L
Length	1667mm
Width	800mm
Height	1097mm
Dry weight	780kg

Engine Speed (rev/min)	Operation Type	Typical Generator Output (Net)		Engine Power			
				Gross		Net	
		kVA	kWe	kW	bhp	kW	bhp
1500	Prime Power	150	120	138	187.6	130	176.8
	Standby (Max)	170	132	151	205.3	143	194.5
1800	Prime Power	160	129	155	210.6	143	194.3
	Standby (Max)	180	142	169.3	230	157.3	213.8

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REAL EUROPEAN TECHNOLOGY
IMPORTED 欧洲科技 一脉传承

141kWm 1500rev/min
155.1kWm 1800rev/min

1100 SERIES
1106C-P6TAG3

Engine Advantages

■ **Dependable Power**

Lovol newly developed G-drive diesel engines of 1100 series provide better reliability and bigger power output, by adopting four-valve technology and strengthened major and moving components, such as cylinder block, cylinder head, crankshaft, connecting rod and so on.
1106C-P6TAG3 engine provides greater productivity through an improved power to weight ratio.

Without pre-heater device, engines can be normally started at the temperature of -10°C; With pre-heater device, engines can be normally started at the temperature of -30°C; Engine also has been designed with -40°C starting aid for excellent load acceptance to ensure your facility is powered quickly at all conditions.
The maximum working environmental temperature for the engine is 55°C.

■ **Low Operating Costs**

Service intervals are set at 300 hours as standard. The most competitive warranty policy is also provided.

■ **Flexibility**

The 1100 series has been designed to hit all the main power nodes, perfect for rental business or to help reduce your engine inventory.

■ **Professional Product Support**

Through an experienced global network of distributors and dealers, fully trained engine experts deliver total service support and dedicate to maximizing the productivity of your engine.



REAL EUROPEAN TECHNOLOGY
IMPORTED 欧洲科技 一脉传承

Standard Configuration
Induction system

Air filter,
turbocharger+intercooler

Fuel system

In-line pump +GAC governor
Spin-on full flow fuel filters
Pre-filter

Lubrication system

Flat aluminum oil sump
Spin-on full flow oil filters

Cooling system

Thermostat controlled by gear driven water pump
680mm belt-driven pusher fan
Radiator assy. (including air-air intercooler, tubes and fin)

Electrical system

12V Starter motor and alternator
12V stop solenoid
Oil pressure and water temperature sensor

Flywheel and housing

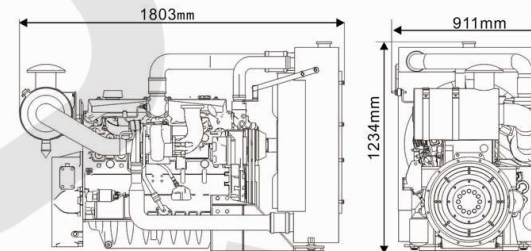
High inertia flywheel
SAE 3 or SAE2 flywheel housing

Accessory

Front engine mountings

Options

24V Alternator
24V Starter motor



Main parameters

Number of cylinders	6
Arrangement of cylinders	In-line
Bore×stroke	100 mm×127 mm
Displacement (L)	5.98
Aspiration	Turbocharged and intercooled
Cycle	4-stroke
Combustion system	Direct injection
Compression ratio	17.5:1
Total lubrication capacity	19.3L
Total coolant capacity (inc. radiator)	36.3L
Length	1803mm
Width	911 mm
Height	1234 mm
Dry weight	800kg

Engine Speed (rev/min)	Operation Type	Typical Generator Output (Net)		Engine Power			
				Gross		Net	
		kVA	kWe	kW	bhp	kW	bhp
1500	Prime Power	160	130	150	203.9	141	191.7
	Standby (Max)	180	143	164.1	223	155.1	210.7
1800	Prime Power	174	140	168	288	155.1	210.8
	Standby (Max)	192	154	183.5	249	170.6	231.8

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REAL EUROPEAN TECHNOLOGY
IMPORTED 欧洲科技 一脉传承

158.4kWm 1500rev/min
174.2kWm 1800rev/min

1100 SERIES
1106C-P6TAG4

Engine Advantages

■ **Dependable Power**

Lovol newly developed g-drive diesel engines of 1100 series provide better reliability and bigger power output, by adopting four-valve technology and strengthened major and moving components, such as cylinder block, cylinder head, crankshaft, connecting rod and so on.

1106C-P6TAG4 engine provides greater productivity through an improved power to weight ratio.

Without pre-heater device, engines can be normally started at the temperature of -10°C; With pre-heater device, engines can be normally started at the temperature of -30°C; Engine also has been designed with -40°C starting aid for excellent load acceptance to ensure your facility is powered quickly at all conditions.

The maximum working environmental temperature for the engine is 55°C.

■ **Low Operating Costs**

Service intervals are set at 300 hours as standard. The most competitive warranty policy is also provided.

■ **Flexibility**

The 1100 series has been designed to hit all the main power nodes, perfect for rental business or to help reduce your engine inventory.

■ **Professional Product Support**

Through an experienced global network of distributors and dealers, fully trained engine experts deliver total service support and dedicate to maximizing the productivity of your engine.



REAL EUROPEAN TECHNOLOGY
IMPORTED 欧洲科技 一脉传承

Standard Configuration
Induction system

Air filter,
turbocharger+intercooler

Fuel system

In-line pump +GAC governor
Spin-on full flow fuel filters
Pre-filter

Lubrication system

Flat aluminum oil sump
Spin-on full flow oil filters

Cooling system

Thermostat controlled by gear driven water pump
680mm belt-driven pusher fan
Radiator assy. (including air-air intercooler, tubes and fin)

Electrical system

12V Starter motor and alternator
12V stop solenoid
Oil pressure and water temperature sensor

Flywheel and housing

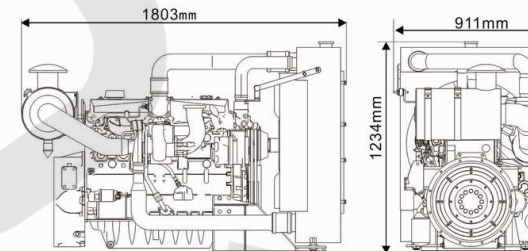
High inertia flywheel
SAE 3 or SAE2 flywheel housing

Accessory

Front engine mountings

Options

24V Alternator
24V Starter motor



Main parameters

Number of cylinders	6
Arrangement of cylinders	In-line
Bore×stroke	100 mm×127 mm
Displacement (L)	5.98
Aspiration	Turbocharged and intercooled
Cycle	4-stroke
Combustion system	Direct injection
Compression ratio	17.5:1
Total lubrication capacity	19.3L
Total coolant capacity (inc. radiator)	36.3L
Length	1803mm
Width	911 mm
Height	1234 mm
Dry weight	800kg

Engine Speed (rev/min)	Operation Type	Typical Generator Output (Net)		Engine Power			
				Gross		Net	
		kVA	kWe	kW	bhp	kW	bhp
1500	Prime Power	180	146	168	228.3	158.4	215
	Standby (Max)	200	160	183.6	249.5	174	236
1800	Prime Power	196	157	186	253	174.2	237
	Standby (Max)	216	173	203.4	276	191.7	261



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