

# FORWARD ENGINE



## Lovol 1000 Nature gas engine - Genset

Inheriting from the leading European technology – Perkins, Lovol 1000 series provides professional power solution for genset, marine, water pump and agricultural equipment etc.



### Important Features

- Adopting the electronic control multi-point injection and theoretic air and fuel ratio combustion strategy, the power performance and acceleration performance of nature gas engine are much higher than that of single-point injection and lean burn engine.
- The main maintenance parts, such as oil filter, air filter, pressure reducing valve and ignition coil, are all mounted in the right side, while the inlet and outlet in the left side (facing the fan), which brings the convenience to the maintenance.
- The adoption of the world advanced multi-point electronic fuel injection system not only brings the lower gas consumption and better economy, but also the higher emission standard.



**Lovol 1000 Nature gas engine - Genset**

Item #	1004NG	1006NG	1004NG	1006NG
Speed - rpm	1500	1500	1800	1800
Rated power - kW	30	40	35	45
Standby power - kW	33	42	38	47
Compression ratio	16.5 : 1	17.5 : 1	17.5 : 1	17.5 : 1
Noise - dB(A)	92	92	94	94
Dimension - mm	1150*810*980	1150*810*980	1430*900*1000	1430*940*1000
Bore * Stroke - mm	100*127	100*127	100*127	100*127
Displacement - L	3.99	3.99	5.99	5.99
Governor type	Electronic	Electronic	Electronic	Electronic
Governing rate	≤ 1%	≤ 1%	≤ 1%	≤ 1%
Oil pressure - Mpa	0.34-0.45	0.34-0.45	0.34-0.45	0.34-0.45
Configuration	In-line, direct injection, water-cooled			
Rotation of crankshaft	Counter-clockwise – viewed from flywheel side			
Cylinder number	4	4	6	6
Ignition system	Natural	Natural	Natural	Natural

**Standard Accessories**

- 24V electric system (12V optional)
- S.A.E. 3 flywheel housing
- 10" & 11.5" flywheel
- Fuel, air and oil filter
- Qualification certificate, handbook & service manual
- Oil pressure and water temperature alarm switch & sensor (2 in 1) in accordance with VDO parameter
- Separate fan
- Cold start aid
- Engine front support
- 24V start motor, alternator and solenoid
- Radiator - fan guard & front guard included