

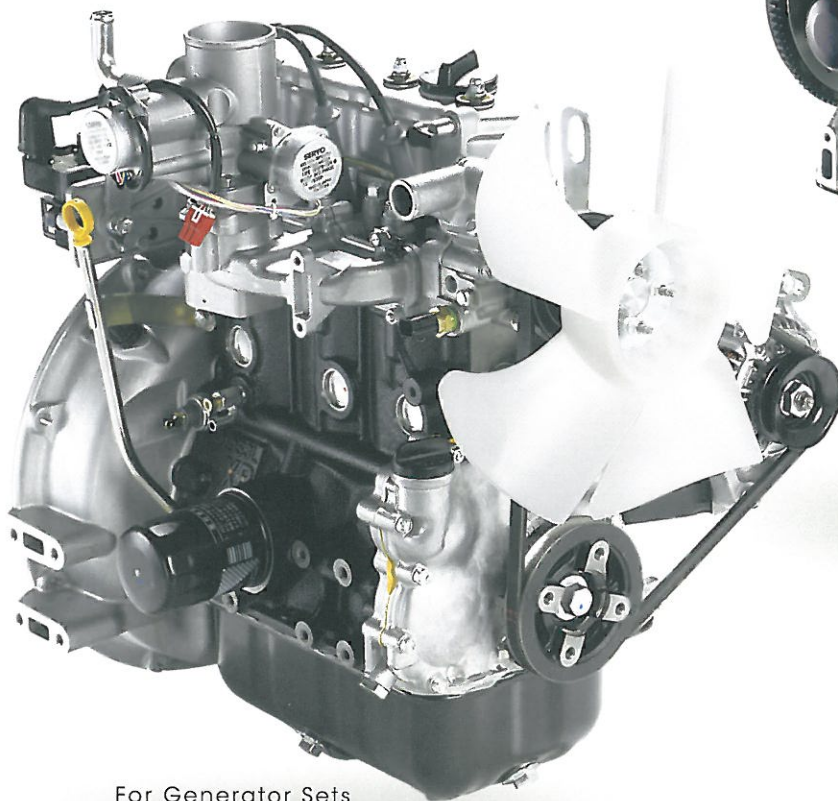
TOYOTA 7KS

Gas

High Performance and Low Fuel Consumption

Long Maintenance Intervals and Long Product Life

Easy Maintenance



For Generator Sets



For CHP/GHP.

1KS Gas Engine

Features

High Performance, Low Fuel Consumption

- An optimized compression ratio that reduces friction in every moving part works together with an electronically controlled ignition and fuel system to achieve high performance and low fuel consumption.

Long Maintenance Intervals

- An optimized piston profile facilitates low oil consumption, while specially designed spark plugs provide long maintenance intervals of up to 10,000 hours (depending on oil capacity).
- We have achieved high reliability using the same components as those used in diesel engines.

Service and Maintenance

- Commonly replaced parts concentrated on one side of the engine enhance ease of maintenance and serviceability.

Proven Market Performance

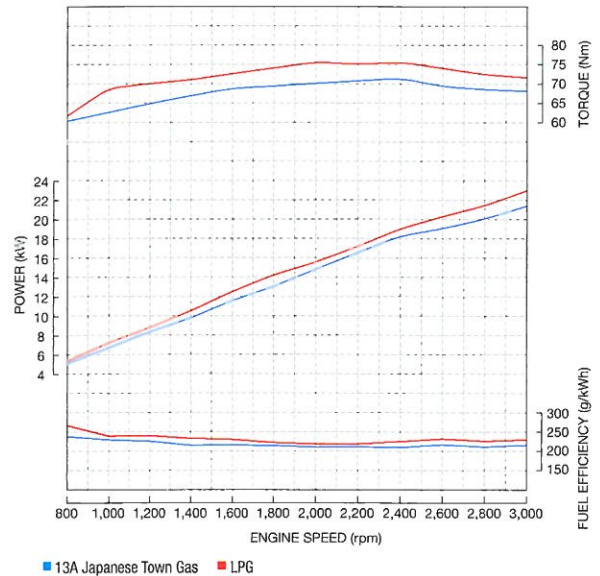
- Over 15 years of experience in the industry.
- Performance and reliability proven in the field.

Specifications

| Engine Model | TOYOTA 1KS | |
|---|--|----------------------|
| | Generator Set | CHP/GHP |
| Cylinder Arrangement | Inline Type 3-Cylinder | |
| Total Displacement | 952 cc | |
| Bore x Stroke | 72 x 78 mm | |
| Valve Type | OHV Gear Drive | |
| Combustion Chamber Design | Heron Type | |
| Fuel Control | Electronic Fuel Injection | |
| After Treatment | - | |
| Configuration | 4-Cycle Liquid Cooled System | |
| Max. Output kW/rpm (Reference Value) | 13.9 kW / 1,800 rpm*1 11.0 kW / 1,500 rpm*1 | 21 kW / 3,000 rpm*3 |
| Max. Torque Nm/rpm (Reference Value) | - | 72 Nm / 2,400 rpm*3 |
| Specific Fuel Consumption at Rated Speed (Reference Value) | - | 207 g/kWh*3 |
| Dimensions (Length x Width x Height) | 518 x 531 x 561 mm*2 | 488 x 402 x 651 mm*4 |
| Dry Weight | 80 kg*2 | 72 kg*4 |
| Applications | Generator Sets | CHP/GHP |

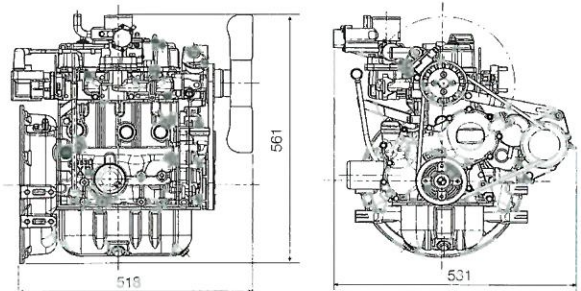
*1 LPG specifications *2 Including flywheel, flywheel housing, starter, and fan
*3 Japanese town gas (13A) specifications *4 Including flywheel, flywheel housing, and starter

Performance Curve



Dimensions (Unit: mm)

Generator Set



CHP/GHP

