



Model: PSI 11L

Doc #: 56100064 rev 2
Date: 2022-04-14

Gaseous Fueled Gen-Pack Engine Scope of Supply

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Standard Product Offerings

59002023 D111L Standby Certified	59002024 D111L Standby Non-Certified
59002025 D111L Prime Certified	59002026 D111L Prime Non-Certified

Basic Data

Engine Model PSI 11L

Number of Cylinders/Valves 6 / 12

Cylinder Arrangement..... Inline

Displacement 11.1 L (674 in³)

Combustion Type 4-stroke rich burn (stoichiometric)

Emissions..... US EPA certified configurations available

Cooling System..... Thermostatically controlled with integrated oil cooler

Aspiration..... Turbocharged and aftercooled

Flywheel Housing SAE #1

Flywheel SAE #14

Rotation..... Counter-clockwise when viewed from flywheel

Max. Working Ambient Temperature and Elevation.....See derate spec 56100020

Front and Rear Engine Mounting Brackets..... Included, see installation drawing SK88057

Lubrication System

Oil TypeSee PSI fluids spec 56100018

Lubricating Oil Pressure SensorIncluded

Replaceable Spin-On Oil FilterIncluded

Oil DipstickIncluded

Oil Sampling ValveIncluded



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Air Intake System

Replaceable UL Certified Air Cleaner Element	Included
Closed Crankcase Ventilation System	Included
Electronic Throttle Body	Included
Throttle Inlet Pressure Sensor and Manifold Absolute Pressure/Temperature Sensor	Included

Exhaust System

Water-Cooled Exhaust Manifold.....	Included
Exhaust Gas Oxygen Sensor	Included
<i>EPA Certified Engines Only:</i>	
Three-way Catalyst	Included
Post-Catalyst Exhaust Gas Oxygen Sensor	Included

Engine Control System

Engine Control Unit (ECU).....	Included
ECU Communication Protocol	SAE J1939
Governor	Included, integrated into engine ECU
Governor Steady-State Speed Stability at Constant Load (ISO 8528-5 Class G3).....	≤ +/- 0.5%
Air/Fuel Ratio Controller	Included, integrated into engine ECU
Permissible Fuel Types.....	Natural Gas, Propane (see PSI fuel spec 56100019)
Fuel Control System	Direct electronic pressure regulator (D-EPR) and diaphragm mixer
Knock Sensors	Included
Natural Gas Fuel Shut-off Valve	Included

Electrical System

Electrical System Voltage.....	24 VDC, negative ground
Starter Power	7 kW (9.4 hp)
Battery Charging Alternator Current	45 A

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Available Cooling System Kits

59300063 Kit, Cooling 11.1L(AL) Updated

Cooling System (Radiator, guards, and other cooling system parts shipped loose)

- Radiator TypeJacket water radiator with integrated air-to-air charge air cooler
- Fan Type Pusher
- Fan Hub Engine mounted, belt driven
- Hoses, Pipes, Joints, and Clamps for Installation.....Included
- UL2200 Compliant Fan and Belt Guards.....Included
- Coolant Temperature Sensor Included (installed on engine)

Dimensions (L x W x H)

- Engine Only – With Catalyst..... 1608mm x 1040mm x 1621mm (63.3” x 40.9” x 63.8”)
- Engine with Radiator and Catalyst..... 2044mm x 1267mm x 1779mm (80.5” x 49.9” x 70.0”)
- Engine Only – No Catalyst..... 1608mm x 917mm x 1360mm (63.3” x 36.1” x 53.5”)
- Engine with Radiator, No Catalyst 2044mm x 1267mm x 1519mm (80.5” x 49.9” x 59.8”)

Paint

- Engine block painted gloss black
- Radiator, fan and belt guards painted gloss black
- Coolant and intake piping unpainted stainless steel

Testing

- Standard factory test
- Test report available only upon request

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Documentation

Installation instructions, operation and maintenance manual, shop repair manual, and diagnostic manual in English language supplied in soft copy

Packaging

Engine shipped on wooden pallet with plastic wrap

Radiator shipped in wooden crate with fan attached to top

Cooling kit pipes, fan guards, and other cooling kit parts shipped in cardboard box on wooden skid