



# LM2500 Gas/Liquid to Dual Fuel Conversion

## Product Description

### - For adding gas fuel capabilities:

- A dual fuel manifold with water injection consisting of two liquid fuel manifolds, a gas manifold, and 30 dual fuel nozzles.
- Gas fuel compressor (off-package).
- Coalescer/Dehumidifier and/or a filter/scrubber skid (off-package).
- A fuel-metering valve.
- Gas shutoff valves, check valves, and vents.

### - For adding liquid fuel capabilities:

- A liquid fuel forwarding skid with a 2" pipe customer connection at 5 psi Flooded Suction.
- Fuel filtered to 10 µm absolute.
- 2 liquid fuel manifolds, hoses, and fuel nozzles will be added on-engine.
- Simplex liquid fuel boost skid (off-package).
- A duplex low pressure filter skid (off-package).
- Fuel metering valves.
- Liquid fuel shutoff valves, check valves, and return fuel lines.
- Both liquid and gas fuel conversions involve installing connections to customer fuel connections (flanged outside main base) and changing the fuel manifolds.
- Core software logic and HMI changes may also be needed.



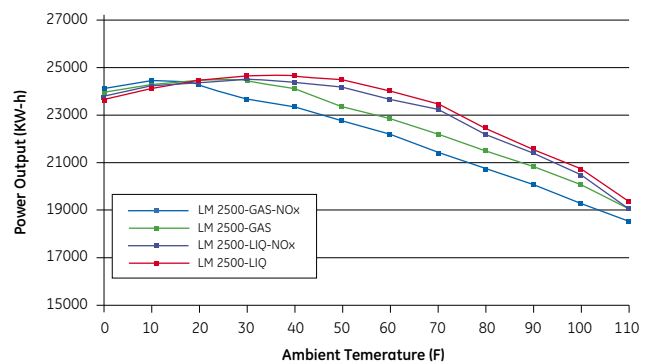
Liquid Fuel Manifold Addition

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## Customer Value

- Easily switching between fuels allows increased site power generation flexibility.
- Maximize profitability by switching to a cheaper fuel depending on market conditions.
- Increased power output using the water injection capabilities.
- Switching to gas fuels lowers NOx emissions.
- Gas fuels also have higher power outputs.
- Can use either Woodward or GE Mark VI or higher controls systems.



Increased Power Output using the Water Injection System.

## Applicable Units:

|        |  |         |   |
|--------|--|---------|---|
| LM6000 |  | LM2500* | ✓ |
| LMS100 |  | LM5000  |   |
| LM1600 |  | TM2500  |   |

\* For LM 2500 and LM2500+ units

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All values are design or typical values when measured under laboratory conditions.

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