

DYNAMIS

POWER SOLUTIONS

DT24 Mobile Turbine

GE LM2500 Engine



Dynamis' most powerful transportable solution, the DT24 Mobile Turbine design utilizes only two trailers for transport and operations. Our innovative design allows for greater flexibility by eliminating the need for a crane or forklift onsite during mobilization and demobilization. This provides Dynamis the unrivaled capability of deployment in as little as 8 hours for reliable power.

Benefits

- Rapid deployment, installation and commissioning in less than 8 hours
- No crane lifts required for mobilization and demobilization
- Low maintenance and ease of service
- No concrete pad required for installation
- Experienced Dynamis personnel are able to provide maintenance, operation, troubleshooting, and mobilization
- Accepts fuels; field gas, CNG, or LNG
- Remote support available 24/7 from Dynamis' Operations Excellence Center

Features

- Generates up to 24MW of power at 13.8kV
- 99.9% GE LM2500 engine reliability
- Thousands of gas turbine installations globally
- Industry benchmark with only two total trailers transportable and operational
- Hydraulic vertical lift for exhaust stack
- Auxiliary equipment installed in structure of main unit
- Auto leveling hydraulic system
- Compact two trailer footprint installation
- Complete power plant solution
- Electric turbine starter; eliminates hydraulic motors, reservoir, cooling and oil
- Optional water injection for reduced emissions
- Dual frequency package available
- Remote connectivity built in and available for diagnostic support, upgrades, etc.

DT24 Mobile Turbine

The Dynamis LM2500 turbine incorporates auto-leveling and positioning systems, which uses hydraulic landing legs to allow for more precise maneuvering during mobilization. All auxiliary equipment is integrated into the truss structure of the main trailer, and the secondary trailer unitizes our state-of-the-art intake and exhaust systems with hydraulic positioning and lift.



Intake

Air filters are easily accessible for maintenance and replacement during operations. Intake vents are opened for operations and collapsible for transportation.

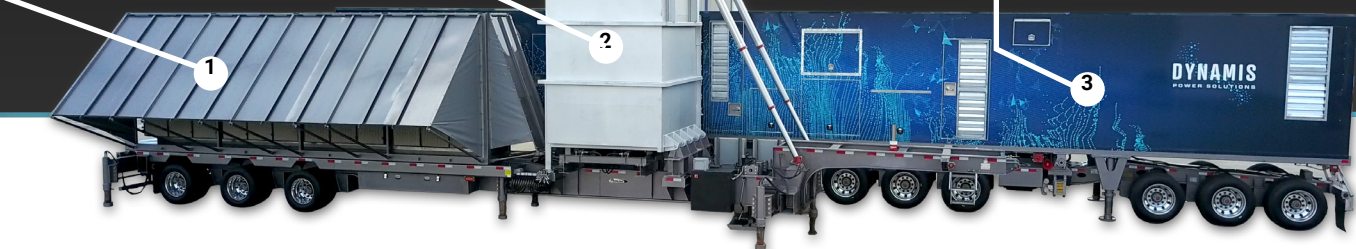
Exhaust

Hydraulically operated lift allows the exhaust to be safely raised for operations and lowered for transportation.

Main Turbine Trailer

The main turbine trailer houses the turbine, generator, controls, electric turbine starters, and all auxiliary equipment required for safe power plant operations.

Max transportable dimensions
68' x 8.5' x 13.5'



GE LM2500 Engine

The LM2500 turbine exhibits a 25,000 hour service interval vs. a diesel engine's 8,000 hour service interval. This ultra-mobile turbine converts field gas, CNG, or LNG into electricity resulting in a 95% fuel cost savings vs diesel.

Gas Turbine Rating	50 Hz	60 Hz
ISO Base Rating (MW)	22.4	23.2
Gross Heat Rate (Btu/kWh, LHV)	9,626	9,317
Gross Heat Rate (kJ/kWh,LHV)	10,156	9,830
Gross Efficiency (% LHV)	35.4%	36.6%
Exhaust Temperature (°F)	1,017	1,002
Exhaust Temperature (°C)	547	539
Exhaust Energy (MM Btu/hr)	137	134
Exhaust Energy (MM kJ/hr)	145	142

