









NATURAL GAS vs DIESEL GENSET COMPARISON

Compare the key performance, emissions, maintenance, and operational differences between natural gas and diesel generators.

FACTOR	NATURAL GAS GENERATORS	DIESEL GENERATORS
 Reliability & Performance	Steady performance for most commercial and industrial loads.	High power density and fast response.
 Fuel Source & Availability	Requires existing natural gas infrastructure. Typically available through utility pipeline.	Onsite fuel storage provides energy independence. Fuel must be stored and managed.
 Runtime Capabilities	Unlimited runtime with continuous natural gas supply. Well-suited for extended operation.	Limited by fuel tank capacity. Can support extended runtime with larger tanks.
 Emissions & Environment	Lower emissions and cleaner burning. Better option for emissions-sensitive locations. May require additional emissions controls.	Higher emissions compared to natural gas. May require additional emissions controls.
 Operating Costs	Potentially lower fuel costs. More stable pricing over time.	Fuel costs can fluctuate. Typically higher operating costs over time.
 Maintenance Requirements	Lower maintenance needs. Longer engine life in many applications.	Higher maintenance requirements. More frequent service intervals.
 Load Handling	Well-suited for continuous and moderate loads.	Excellent for high-load and varying loads.
 Applications	Ideal for continuous power operations, energy management programs, and standby applications. Common in facilities with gas infrastructure.	Ideal for all standby applications (including high-loads and varying loads) and some prime power operations. Preferred for critical industry and remote sites.

SUPPORTING KEY INDUSTRIES

- Healthcare
- Education
- Food & Beverage
- Manufacturing
- Data Centers
- Utilities
- Wastewater Treatment Plants
- Mining
- Oil & Gas
- Many Other Commercial, Industrial & Municipal Facilities

PLANNING TODAY FOR POWERING TOMORROW

The right generator and fuel choice help protect your operations, reduce risk, and support long-term reliability.

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