

Lean-Burn Gas Fueled Generator Sets

Low-emission gas-powered energy solutions



Robust And Low Emission Gas-Powered Solutions Built Around Your Needs.

Today's power users need robust and cost-effective power generation systems that meet ever-increasing global emissions standards. Cummins Power Generation Energy Solutions Business (ESB) answers the challenge with solutions utilizing reliable, economical and low-emission Lean-Burn Gas Fueled generator sets.

Whether it's for prime, standby, peaking power or cogeneration – also called Combined Heat and Power (CHP) applications - our solutions range from facilities based around a single lean-burn gas fueled generator set to full turnkey power packages customized to your needs.

As part of Cummins Power Generation, a global power generation leader, we combine this total capability with world-class expertise and a vast international network committed to supporting your operations. The result is leading-edge gas-powered solutions that help power users reduce costs, operate reliably and shrink their environmental impact, whatever the application, wherever they are in the world.



The Cummins ESB Lean-Burn Gas Fueled Marquee. Look for it on all our Lean-Burn Gas Fueled content and materials.

Flexible. Reliable. Cost-Effective. Ideal For Diverse Power Challenges.

High-performance lean-burn gas fueled generator sets

Cummins lean-burn gas fueled generator sets form the heart of our gas-powered solutions. Spanning power ratings of 315 kWe to 2 MWe and capable of running on natural gas and alternative gaseous fuels, the range delivers renowned Cummins reliability, extended maintenance intervals, high fuel efficiency and very low emissions, all from high density and compact power packages. This combination of durability, economy and environmental responsibility makes our lean-burn gas fueled generator sets the first choice for prime and standby power, high-hour peaking and cogeneration sites the world over, regardless of scale or location.



Single-source build

Our lean-burn gas fueled generator sets deliver an added benefit: single-source build by Cummins. We design and manufacture every component, from the engine and alternator to the switchgear and controls. The result is seamless performance and streamlined, knowledgeable Cummins support, every step of the way. We call this build integrity The Power of One™.



Fuel flexibility for diverse applications

Our range of lean-burn gas fueled generators incorporates models that run on natural gas, giving you the dependability that comes from an uninterruptible fuel supply, and models that also burn alternative gaseous fuels with lower BTU properties and varying Methane Numbers (MN). This fuel flexibility enables them to power a vast range of applications, from remote sites such as oil platforms and mines to greenhouses, data centers, utility projects, wastewater facilities, industrial plants and commercial centers.

Good For The Environment, Good For Your Business.

Building on our legacy of power generation innovation, Cummins lean-burn gas fueled generator sets utilize state-of-the-art gas engines to reduce emissions, giving you a cleaner, greener alternative for meeting environmental regulations worldwide.

Lean-burn for greener energy

Whether it's for standby, peaking, prime power or cogen applications, power operators are under growing pressure to lower their carbon outputs. Our lean-burn gas fueled generators answer the challenge, producing lower emissions than their diesel counterparts.

Burning a lean mixture of fuel and air, our lean-burn gas engines significantly reduce combustion temperatures, emitting up to 5 times less oxides of nitrogen (NOx) output than comparable diesel generator sets and near-zero particulate matter (PM). The result is higher power output and a reduced carbon footprint to help meet worldwide emissions standards.

Clean and reliable standby power

Used as standalone, or as part of a hybrid combination of lean-burn gas and diesel generator sets, our gas fueled standby models provide a highly reliable and cost effective alternative to diesel standby systems. Delivering uninterrupted operation, gas powered solutions are ideal for a wide range of applications including data centres, hospitals, utilities and public buildings, including those in locations where fuel storage and air quality is of special concern.

Our lean-burn gas fueled generator sets run on a wide range of fuels:

- Pipeline natural gas
- Coal seam gas: naturally occurring methane collected from coal deposits
- Solid waste landfill: gases produced from the decay of landfill organic waste
- Municipal sewage facilities: gases generated from anaerobic digestion of wastewater and biodegradable wastes
- Agricultural biogas plants: gases generated from anaerobic digestion of agricultural and biodegradable wastes
- Purpose-built gasification plants: gases generated by non-combustion of petroleum based plastics, food, agricultural and other non-burning wastes



Cummins ESB installed a natural gas standby generator at the Institute of Civil Engineers in London.

Putting Your Gas-Powered Solutions To Work.

Whatever the size or type of your application, Cummins ESB has the breadth and depth of expertise to deliver a tailor-made power package to fit your needs, whether it's for prime continuous or standby power, high-hour peaking or cogeneration, anywhere in the world.

Total capability, customized solutions

Whether you need a single lean-burn gas fueled generator set, an entire turnkey project or a Build-Own-Operate (BOO) power package, Cummins ESB has the resources to make it happen. We start by listening to your needs before delivering customized solutions to fit your site and operational requirements. This includes everything from supply and installation to planning, design, containerization, commissioning and specially tailored operation and maintenance contracts. Plus, we can provide flexible financing packages to help you get your lean-burn gas fueled generator set installation up and running at the time you want, without the burden of a large capital outlay.

Complete power systems

With a full range of Cummins power generation products and equipment, Cummins ESB can provide you with a complete, pre-integrated power system built around your lean-burn gas generator sets. From sound-attenuation enclosures to automatic transfer switches PowerCommand® digital paralleling systems and more, we deliver the total package you need for optimal performance and efficiency.

Lifecycle management

We also offer full lifecycle management of your systems to keep your plant working at its best for longer. From planned maintenance programs to comprehensive product warranties, our powerful backup is designed to prolong the life of your systems, maximizing the value they bring to your business.



Lean-Burn Gas Generator Sets: Our Range.

Our expansive line-up of lean-burn natural gas generator sets encompasses a wide range of power ratings and configurations. Each model delivers optimal performance and dependability configured to your exact site, choice of fuel and power needs.

60 Hz Generator Sets

Generator Set	Continuous Rating	Standby Rating	Engine	Alternative Fuels Capability
C334N6C	334 kWe	--	QSK19G	
C1000N6C	1000 kWe	--	QSK60G	■
C1000N6	--	1000 kWe	QSK60G	
C1100N6C	1100 kWe	--	QSK60G	■
C1250N6C	1250 kWe	--	QSV91G	
C1250N6	--	1250 kWe	QSK60G	
C1350N6	--	1350 kWe	QSK60G	
C1400N6C	1400 kWe	--	QSK60G	
C1700N6	--	1700 kWe	QSV91G	
C1750N6C	1750 kWe	--	QSV91G	■
C2000N6C	2000 kWe	--	QSV91G	■



50 Hz Generator Sets

Generator Set	Continuous Rating	Standby Rating	Engine	Alternative Fuels Capability
C315N5C	315 kWe	--	QSK19G	
C995N5C	995 kWe	--	QSK60G	
C1160N5C	1160 kWe	--	QSK60G	
C1200N5C	1200 kWe	--	QSK60G	
C1400N5C	1400 kWe	--	QSK60G	
C1540N5CB	1540 kWe	--	QSV91G	■
C1750N5C	1750 kWe	--	QSV91G	■
C1750N5CB	1750 kWe	--	QSV91G	
C2000N5C	2000 kWe	--	QSV91G	■
C2000N5CB	2000 kWe	--	QSV91G	



Two Cummins lean-burn natural gas generator sets provide standby power for Washington State University in the USA.

Reliability and versatility

Our lean-burn gas fueled generator set range combines versatility and robustness to match your power demands, whatever the site or application. Our products run on high, medium and low voltages and are also built to operate in the world's toughest environments. It means you can count on them to perform reliably, even in extreme ambient temperatures, at high altitudes or in dust filled environments.



Reliable Power Wherever You Need It, The World Over.

At Cummins, we make sure you're in safe hands once your power is up and running. Our global service network is right behind you, providing the technical support and know-how to help you secure and maintain maximum uptime, today and tomorrow.

World-class support and expertise

Whatever your power application, the Cummins worldwide service network is there in support, every day and in every way possible, no matter where your facilities are.

With 550 distributor locations and 5,200 sales and service centers located across 190 countries from China to Australia and Africa to Europe and the US, our network and service package is one of the most comprehensive in the industry. We provide one-year warranty protection as standard with our gas fueled generator sets, along with extended warranty options. Plus, we're ready with extensive parts availability, 24/7 emergency backup and all the dedication and knowledge of highly qualified Cummins engineers to keep your operations performing reliably, come what may.

It's the global strength and responsive local support you'd expect from Cummins as a world power generation leader and everything that you need for complete peace-of-mind.

The next step

To discuss your needs or find out more about lean-burn gas fueled generator sets and solutions from Cummins ESB, contact your local Cummins Power Generation distributor or visit:

www.cumminspower.com

Serving you with...

550 distributor locations

5,200 sales & service outlets

20 parts distribution centers

19 technical centers

88 manufacturing facilities

40,000 employees

... across 190 countries



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