

MAXIMUM UPTIME AROUND THE WORLD.

QSK95 SERIES GENERATOR SETS



ALWAYS ON

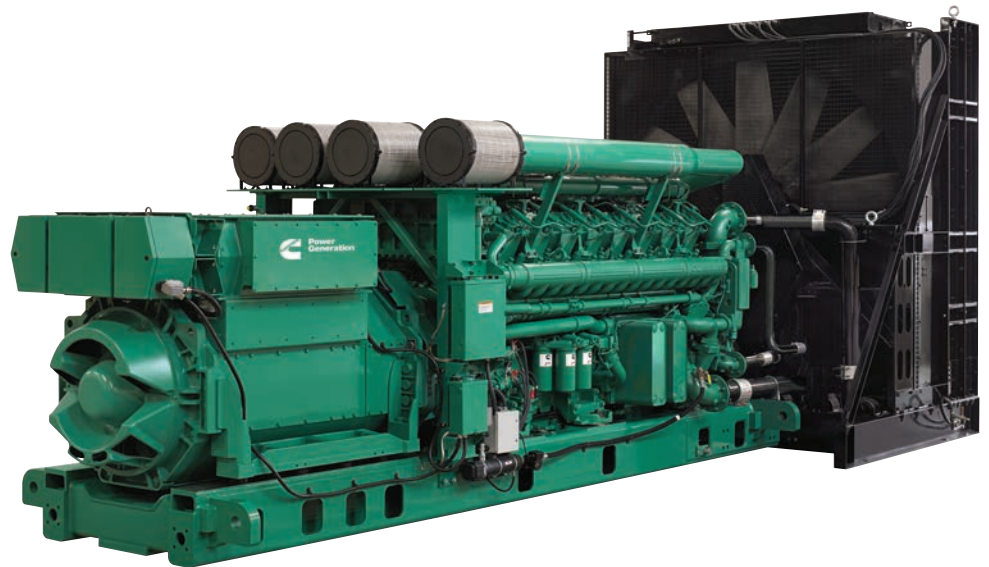
QSK95 SERIES GENERATOR SETS

POWER THAT MEETS EVERY DEMAND.

Cummins class-leading QSK95 Series generator sets provide mission critical, prime and standby power whenever it's needed.

Built for maximum uptime, their reliable performance helps to protect life, infrastructures, operations and computing requirements in hospitals, data centers, water treatment facilities and other demanding applications.

Backing up this power is Cummins strength and technical expertise. As a power generation leader, we provide unmatched capability: designing and delivering the best power system solution for your needs, supported by first-class service from our global network.



KEY QSK95 ADVANTAGES



More Support

14,500+ Employees
600+ Distributor Locations
190+ Countries And Territories
6,000+ Dealer Locations



20% More Power Density

More Power Less Space
Highest kilowatt-per-square-foot
in its class



More Uptime

25,000 Hours to Major Overhauls



More Power

Up to 3.5 MW per generator set



More Performance. Less Fuel.

\$400,000 of Fuel Savings per 8000
hours of operation



60+ Projects

260+ Generator Sets

770+ MW Power output



More Responsive

100% Load Acceptance in a Single Step
Accepts Load in under 10 seconds

POWERFUL ON EVERY COUNT.

Cummins manufactures all key components of the QSK95 Series generator sets, so you enjoy the seamless efficiency of all parts working together as one. This integrated system solution provides you with the advantages of single-source accountability and simplified installation, maintenance and support with no compatibility problems.

MORE SUPPORT

With approximately 600 branch locations in more than 190 countries, the Cummins network backs up your operation all the way. Wherever your site, a local Cummins distributor will provide reliable grassroots services and support, from application assistance to commissioning, troubleshooting, maintenance and more.

PROVEN IN THE FIELD

Cummins QSK95 Series generator sets keep vital operations running across the world.

From emergency power for healthcare facilities and data centres to continuous power for remote industries, the QSK95 Series is proving its worth in the most challenging environments.

Learn how these durable generator sets are meeting demanding power needs in the case studies in this brochure.

MORE UPTIME

Cummins QSK95 Series generator sets deliver reliable power for a wide range of mission critical, prime power and standby applications. At the heart of each model is the latest high-speed Cummins diesel engine that offers failsafe performance, best-in-class fuel efficiency, low emissions and fast response to load changes.


Other QSK95 Series engineering innovations boost reliability further, enabling limited overhaul times, longer service intervals and reduced service requirements for minimal downtime.

HIGHER POWER DENSITY

Rated at up to 3.5 MW (60 Hz) and 3.75 MVA (50 Hz), the 16-cylinder QSK95 engine offers outstanding performance, improving on the power efficiencies of 20-cylinder competitors while supplying comparable power output.

Each unit offers the highest kilowatt-per-square-foot ratio in its class, delivering a smaller footprint that achieves a 20% improvement in power density. This lowers installation costs and, in multi-generator sites, reduces expenditure by enabling fewer generators to achieve your required power outputs.





“With the QSK95, we were able to provide SaskTel with a dependable system that reduced service frequency and minimized downtime during service events.”
Bryan Haza, Cummins Western Canada

**THE QSK95 SERIES PROVIDES THE
HIGHEST KILOWATT-PER-SQUARE-
FOOT RATIO IN ITS CLASS.**

CRITICAL PROTECTION DELIVERED.

SASKTEL TELECOM DATA CENTER SASKATOON, CANADA

When Canada ICT provider SaskTel decided their existing Cummins 1,750 kW generator no longer supplied enough standby power for their needs, they turned to Cummins again.

The technology company needed reliable standby power for its Saskatoon data center in order to supply its growing customer base with the rock-solid dependability and data protection it expected. Complicating matters was the fact that any unit needed to fit into the space confinement of the center's 3rd floor, a stipulation requiring installation using a heavy crane and a specially assembled hoist crate.

Cummins Western Canada won the bid by proposing a single QSK95 unit that would provide 3,250 kW of standby power, class-leading fuel economy and the highest kilowatt-per-square-foot power ratio in its class – all benefits that SaskTel was excited to take advantage of. Other contributory features included the QSK95 Series Data Center Continuous (DCC) rating, which would allow SaskTel to run the generator set with no limit on operating hours.

Since its installation, the QSK95 continues to deliver exactly what SaskTel needs: maximum uptime and best-available server room protection from a compact unit they can trust.

TURNKEY SERVICE, RIGHT ON TIME.

HAYA WATER AL ANSAB TREATMENT PLANT MUSCAT, OMAN

In Oman, Cummins worked with the country's state sewage treatment operator, Haya Water, to help expand the Al Ansab water treatment plant near the capital, Muscat.


As part of the project to make Al Ansab the city's biggest water treatment facility, Cummins distributor Universal Engineering Services (UES) was chosen to provide a 14.5 MVA emergency standby power solution based on two QSK95 Series generator sets – the first use of the QSK95 Series engine in Oman.

The distributor secured the contract for several reasons, not least its ability to work to a 'single-window' system where contractors needed to provide standardized documentation through a single point.

Other factors included Cummins turnkey capability, which saw it provide not just the required generators but also attenuators, bulk fuel tanks, piping, ventilation systems and neutral grounding resistors.

Having won the job, UES met the strict timelines, which required all products be delivered within six months of approval – a massive challenge.

With the help of Cummins, Al Ansab will provide Oman's capital with one-third of its total irrigation requirements up to 2025.



**AL ANSAB USES
5 QSK95 SERIES
GENERATOR SETS
TO PROVIDE THE
STANDBY POWER
NEEDED TO
PRODUCE 100,000
M³ OF REUSABLE
WATER PER DAY.**



WRIGLEY FIELD RELIES ON THE QSK95 TO HELP PROTECT THE APPROXIMATE 41,460 FANS THAT WATCH CHICAGO CUBS® GAMES

“Cummins showcased that they had the capability to provide a robust backup power solution for the Wrigley Field ballpark and the adjacent office building should the power network fail for any given reason.”
Patrick Meenan, Chicago Cubs Senior Director-Facilities and Procurement

HITTING TARGETS FOR STANDBY POWER.

WRIGLEY FIELD® - HOME OF THE CHICAGO CUBS® CHICAGO, USA

One of the oldest and most venerated ballparks in the USA, Wrigley Field – home to the Chicago Cubs® – determined that it needed a single, compact backup electrical generator as part of a renovation.

The baseball club needed emergency power that would kick in immediately on any electrical outage, so protecting the wellbeing of patrons and staff. Backup power was also needed for the club’s neighboring office, where space was tight.

The Cummins QSK95 Series generator set hit the targets. As well as providing a smaller footprint than competitive 20-cylinder units, it delivered 3 MW/4160 volts to meet the ballpark’s demand. Instantaneous switching, low fuel consumption and Cummins round-the-clock service also helped to seal the deal, while the compactness of the unit helped to lower installation costs.

Cummins met the challenging timeframes: completing the design review, equipment build, testing, installation and startup within 24 months from proposals.

By supplying assured backup, the QSK95 Series generator is now key to providing ultimately critical safety to thousands of Chicago Cubs® fans and employees.

PRIME POWER IN HARSH CONDITIONS.

CLouDBREAK MINE, PILBARA REGION, AUSTRALIA

About 1,500 kilometers from the nearest power grid, the Cloudbreak mine in Western Australia's Pilbara region needed reliable prime power to maintain round-the-clock production.


Pilbara presented a difficult environment. In a dry and dusty region where temperatures can hit 50 degrees Celsius, any generator set needs to be extremely sturdy and able to run at its best 24/7/365, whatever the ambient conditions.

Working with mine operators Contract Power Management (CPM), Cummins supplied the answer: a QSK95 Series generator set configured for 3,125 kVA of prime power. The unit was transported to the site and commissioned within two weeks.

"Due to the remoteness, service and support were critical," says Marc Grosser, CPM General Manager. "Cummins turns up in a fast and responsive manner when called upon."

Since its commissioning, the QSK95 has impressed on counts such as fuel economy and power density, driving considerable savings for CPM.

Marc Grosser comments: "We have been very happy with its fuel efficiencies, load acceptance, load rejection and stability. It's hitting the maintenance milestones very well and is going to be a good unit."



"Currently, the QSK95 Series generator set is the most powerful, high-speed unit that's available to us. It delivered a more compact footprint per kW, which equates to lower construction costs for us, which we can pass on to the customer."
Marc Grosser, General Manager, CPM

THE QSK95 SERIES GENERATOR SET HAS SUCCESSFULLY COMPLETED MORE THAN 4,000 RUN HOURS IN CONTINUOUS OPERATION

POWERING PROJECTS WORLDWIDE

Project	Country	Qty. Gensets	Model	Total Power Output
Airport	United States	10	C3000 D6E	30000 kW
Airport	Bahrain	10	C3500 D5	35000 kVA
Commercial Property	United States	1	C3000 D6E	3000 kW
Commercial Property	Pakistan	2	C3750 D5	6700 kVA
Data Center	Canada	1	C3250 D6E	3250 kW
Data Center	Ireland	9	C3500 D5E	31500 kVA
Data Center	Netherlands	20	C3500 D5E	70000 kVA
Data Center	Singapore	22	C3500 D5E	77000 kVA
Data Center	South Korea	3	C3000 D6	9000 kW
Data Center	United States	4	C3000 D6E	12000 kW
Data Center	United States	6	C3500 D6E	21000 kW
Data Center	United States	1	C3000 D6E	3000 kW
Energy / Utility	Pakistan	5	C3750 D5	16750 kVA
Healthcare	Australia	4	C3500 D5E	14000 kVA
Healthcare	Pakistan	2	C3500 D5	6250 kVA
Healthcare	United States	2	C3500 D6E	7000 kW
Manufacturing	United States	2	C3000 D6E	6000 kW
Mining	Australia	1	C3500 D5	3125 kVA
Mining	Canada	2	C3000 D6E	6000 kW
Oil & Gas	Algeria	1	C3500 D5E	3500 kVA
Oil & Gas	Canada	1	C3500 D6E	3500 kW
Oil & Gas	Oman	2	C3500 D5E	7000 kVA
Power Plant	Saudi Arabia	16	C3250 D6E	48000 kW
Power Plant	Saudi Arabia	4	C3500 D6	12000 kW
Waste & Water Treatment	Egypt	2	C3500 D5	6250 kVA
Waste & Water Treatment	Israel	1	C3500 D5 E	3500 kVA
Waste & Water Treatment	Oman	2	C3500 D5	7000 kVA
Waste & Water Treatment	United States	1	C3500 D6	3500 kW

This list is not exhaustive and does not include all Cummins QSK95 projects. It also includes projects which are not yet completed.

**FOR MORE ON THE CUMMINS QSK95 SERIES, PLEASE CONTACT
YOUR LOCAL CUMMINS DISTRIBUTOR OR DEALER AT [LOCATOR.CUMMINS.COM](http://locator.cummins.com)**



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Bulletin 5410916 Rev. 4/20
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