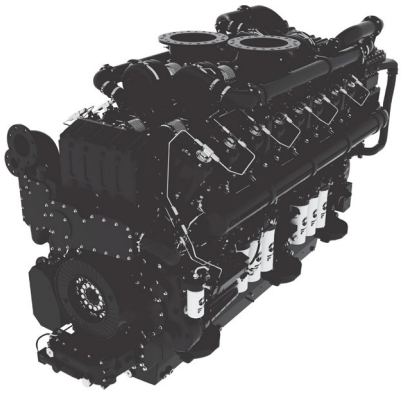
Specification Sheet

QSK95-G9

EPA Tier 2



Description

The QSK95 G-Drive engine delivers radically improved capability and performance for power generation applications. Along with being the most feature-rich engine in its class, the QSK95 was designed with the end user applications in mind to achieve cleaner and more efficient performance.

The QSK95 provides reliable power in a smaller package size and with new advanced technology, the high-pressure MCRS fuel injection system works to provide faster power delivery.

Features

CTT (Cummins Turbo Technologies) HE800 Turbochargers—Four turbocharging units utilize exhaust energy with greater efficiency for improved emissions and minimum fuel consumption.

2 Pump 2 Loop (2P2L) Cooling system—Provides the means to higher power density while still meeting emissions requirements

Modular Common Rail System (MCRS)—Higher fuel pressures compared to other high horsepower engines allows for greater atomization of fuel, leading to better in-cylinder emissions control.

ISO 9001 ISO 14001 ISO 45001	This product was manufactured in a facility whose quality management system is certified to ISO 9001 and its Health Safety Environmental Management Systems certified to ISO 14001 and ISO 45001.
RoHS	Consult factory for RoHS information.

High Pressure Fuel Pump with filter—Robust pumping element system offers 2500 bar capability; A lube filter is included to ensure clean lube oil from pre-lube pump and pressure switch ensures adequate pre-lube levels.

Combined Priming and Fuel Transfer Pump (Electronic)—Quickly primes low-pressure fuel system; minimizes flow rate through filters and improves filtration capability, mitigating flow surge effects.

Redundant Fuel Filter Option—Selector valve on primary stage of fuel filtration allows for filter changes without interrupting genset operation.

Redundant Starters—in addition to three standard electric starters, an optional fourth electric starter is available. Air starter options are also available.

Improved Serviceability—an externally mounted lube pump, large gaps in the engine block to remove oil pan, and enhanced monitoring capabilities all make the QSK95 very maintenance friendly.

G-Drive Integrated Design—Each component has been specifically developed and rigorously tested for power generation applications, ensuring high performance, durability, and reliability.

Service and Support—G-Drive products are backed by an uncompromising level of technical support and after sales service, delivered through a world class service network.

1800 rpm (60 Hz Ratings)

Gross engine output			Net engine output			Typical generator set output					
Standby	Prime	Base	Standby	Prime	Base	Standby (ESP)		Prime (PRP)		Base (COP)	
kWm/BHP			kWm/BHP			kWe	kVA	kWe	kVA	kWe	kVA
3767/5051	3213/4309	2955/3963	3610/4841	3093/4148	2835/3802	3500	4375	3000	3750	2750	3435

General Engine Data

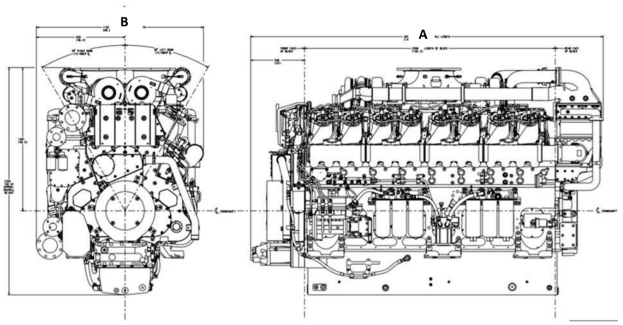
Type	Four Cycle; Vee; 16 Cylinder; Turbocharged and Low Temperature Aftercooled
Bore mm	190
Stroke mm	210
Displacement litre	95.3
Cylinder block	Ductile iron, 60-degree V Configuration
Battery charging alternator	140 amps
Starting voltage	24-volt, negative ground
Fuel system	Cummins Modular Common Rail System (MCRS)
Fuel filter	On engine triple element, 5-micron primary filtration with water separators, 3 micron/2 micron (filter in filter design) secondary filtration.
Lube oil filter type(s)	Spin-on combination full flow filter and bypass filters
Lube oil capacity (l)	647
Flywheel dimensions	SAE 00

Fuel Consumption 1800 (60 Hz)

%	kWm	BHP	L/ph	g/kWh
Standby Power				
100	3767	5051	915	241.5
Prime Power				
100	3213	4309	787	207.8
75	2410	3232	603	159.3
50	1607	2155	437	115.4
25	803	1077	244	64.4
Continuous Power				
100	2955	3963	726	191.7

Weights and Dimensions

Length (A) mm	Width (B) mm	Height mm	Weight (dry) kg
3654	1372	2359	12,784



Ratings Definitions

Emergency Standby Power (ESP):	Limited-Time Running Power (LTP):	Prime Power (PRP):	Base Load (Continuous) Power (COP):
Applicable for supplying power continuously to varying electrical loads for the duration of power interruption of a reliable utility source. Emergency Standby Power (ESP) is in accordance with ISO 8528 and ISO 3046-1, obtained and corrected in accordance with ISO 15550).	Applicable for supplying power to a constant electrical load for limited hours. Limited-Time Running Power (LTP) is in accordance with ISO 8528.	Applicable for supplying power to varying electrical load for unlimited hours. Prime Power (PRP) is in accordance with ISO 8528. Ten percent overload capability is available in accordance with ISO 3046-1. Data shown above represents gross engine performance and capabilities as per ISO 3046-1, obtained and corrected in accordance with ISO 15550.	Applicable for supplying power continuously to a constant load up to the full output rating for unlimited hours. No sustained overload capability is available for this rating. Consult authorized distributor for rating. (Equivalent to Continuous Power in accordance with ISO 8528 and ISO 3046-1, obtained and corrected in accordance with ISO 15550).

For more information contact your local Cummins distributor or visit power.cummins.com

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