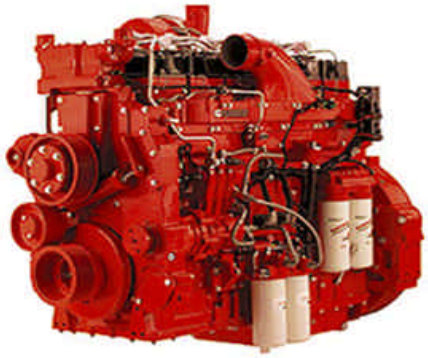
QSK19-G3 NR2

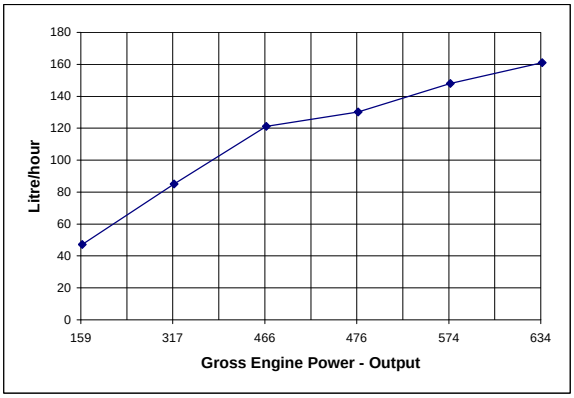
Specification Sheet

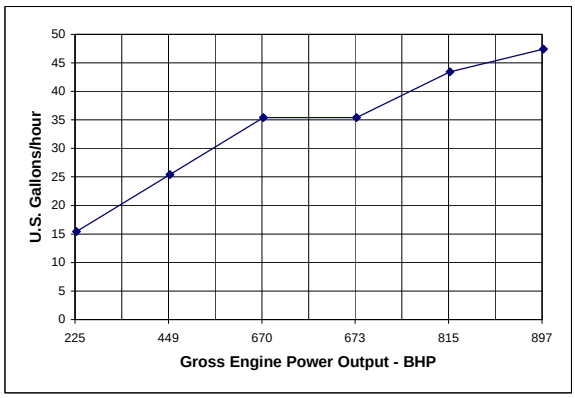
50Hz - 336kWm - 634kWm

60Hz - 500kWm - 669kWm



Fuel Consumption





Performance

Standard Conditions:

Data Shown Above Based On:

- Engine operating with fuel system, water pump, lubricating oil pump, air cleaner and exhaust silencer; not included are battery charging alternator, fan and optional driven components.
- Engine operating with diesel fuel corresponding to grade No. 2D per ASTM D975.
- ISO-3046, Part 1, Standard Reference Conditions of: 100 kPA [29.53 in Hg] barometric pressure (110 m [361 ft] altitude), 25 °C [77 °F] air temperature and a relative humidity of 30%.

Notes:

- Cummins Engine Company recommends that Cummins engines be operated at a minumum load of 30% of their respective standby power rating.

Specifications

Four Stroke Cycle, Turbocharged, Air Cooled, In-line 6 Cylinder Diesel Engine.

1500 RPM Engine Output	kWm	BHP
Standby Power Rating	634	850
Prime Power Rating	574	770
Continuous Power Rating	336	450

1800 RPM Engine Output	kWm	BHP
Standby Power Rating	669	897
Prime Power Rating	608	815
Continuous Power Rating	500	670

*Refers to gross power available from engine, not generator set.

General Engine Data:	
Bore and Stroke	159 x 159mm
Displacement	19L
**Lube System Oil Capacity	84L
Coolant Capacity	
Engine	9L
Aftercooler	N/A
Net Weight with Standard	
Accessories, Dry	1900L

Approx. Overall Dimesions:	
Width	985mm
Length	1695mm
Height	1723mm

** Including Bypass Filter

Rating Guidelines:

Based on ISO8528 and defined in Cummins Power Rating Application Guidelines. Ref: AEB 26.02

Operation at Elevated Temperature and Altitude:

The engine may be operated at:

- 1800 RPM up to:

600 m and 40C without power deration.

- 1500 RPM up to:

600 M and 40C without power deration

Note:

Refer to the performance derate curves on data sheet FR-4446 for altitude and temperature effects on rated power.

QSK19-G3 NR2

Specification Sheet

Design Features

QSK19 Modular Common Rail fuel System and Controls

Provides superior performance and diagnostics. Electronic Fuel Pumps deliver up to 1600 bar injection pressure eliminating mechanical linkage adjustments.

Single-Stage Holset Turbocharging

Utilizes exhaust energy with greater efficiency for improved emissions and fuel consumption.

Ferrous Cast Ductile Iron Pistons

High strength design delivers superior durability.

Optional Equipment:

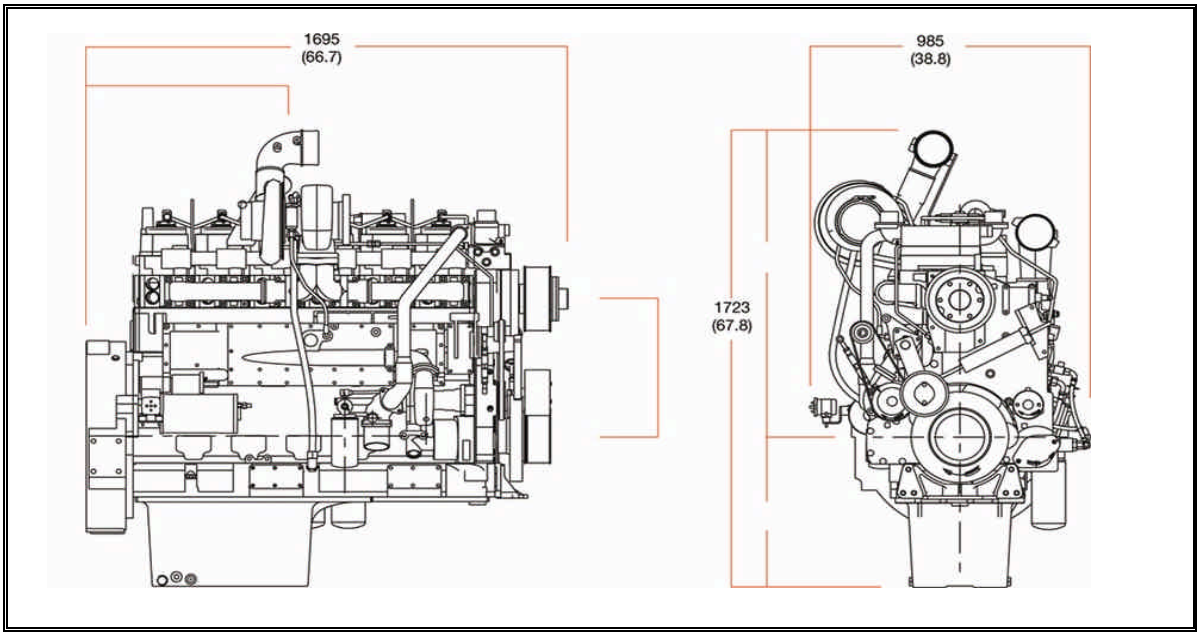
- Meter Drivers for Coolant Temperature, Oil Pressure and Engine Spe
- Speed Bias Signals for Paralleling
- Service Tool for Troubleshooting, Diagnostics and Data Logging
- Relay Drivers for Alarm and Shutdown Conditions
- Fan Drives

Please contact your local Cummins representative for additional information regarding engine options.

Overview

With ratings from 510-700 hp (380-522 kW), the QSK19 engine is a powerful example of Cummins Quantum System technology at work. In the QSK19, standard features like state-of-the-art electronic controls and a modular common-rail fuel injection system ensure clean, efficient performance, minimum maintenance and superior uptime. Optional features help reduce maintenance downtime and costs even further.

Advanced in-cylinder combustion technology and Cummins modular common-rail fuel system reduce NOx emissions while providing responsive power delivery. This fuel system is tolerant to a wide variety of worldwide fuels, including high-sulfur diesel and Japanese kerosene.



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