



# QSL9-G5

Non-Emissionised



## Description

Cummins QSL engines are built to deliver heavy-duty performance in every piece of machinery. Full-authority electronic engine controls combine with the high-pressure fuel system, 24-valve design and centred injectors for one of the highest power-to-weight ratios in its class, with up to 50% torque rise. At the same time, the QSL delivers better fuel economy, has better cold starting capability and is up to 50% quieter in operation than predecessors.

## Features

### Common Rail Fuel System and Controls -

Bosch high pressure common rail (HPCR) - Optimize engine performance to provide seamless integration and advanced diagnostics and programming options.

**Holset HX40 Wastegated Turbo** - Wastegated design optimizes transient response.

**Integrated Block Design** - Integrated fluid circuits replace hoses and eliminate potential leaks.

**24-Valve Cylinder Head** – Four valves per cylinder for increased power with faster response and fuel economy.

**Coolpac Integrated Design** - Products are supplied complete with cooling package and air cleaner kit for a complete power package. Each component has been specifically developed and rigorously tested for G-Drive products, 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.



This engine has been designed in facilities certified to ISO9001 and manufactured in facilities certified to ISO9001 or ISO9002.

This equipment has been designed and tested to meet EU product safety regulations. Material compliance declaration is available upon request

## 1500 rpm (50 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
310/415	268/359	NA	296/397	257/345	NA	264	330	240	300	NA	NA

## 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
355/476	307/412	NA	335/449	287/385	NA	300	375	270	338	NA	NA

## General Engine Data

Fuel Rating	FR96535
Type	4 cycle, in-line, Turbo Charged, Air-cooled
Bore mm	114 mm (4.5 in.)
Stroke mm	145 mm (5.7 in.)
Displacement litre	8.8 litre (543 in. <sup>3</sup> )
Cylinder block	6 cylinder
Battery charging alternator	70 amps
Starting voltage	24-volt
Fuel system	Bosch HPCR
Fuel filter	Spin-on fuel filters with water separator
Lube oil filter type(s)	Spin-on full flow filter
Lube oil capacity (l)	26.5
Flywheel dimensions	SAE 1

## Coolpac Performance Data

Cooling system design	Air-air Charge Cooled
Coolant ratio	50% ethylene glycol; 50% water
Coolant capacity (l)	36
Limiting ambient temp.** (°C)	50 (50Hz); 55 (60Hz)
Fan power (kWm)	11 (50Hz); 18.2 (60Hz)
Cooling system air flow (m <sup>3</sup> /s)**	6.1 (50Hz); 7.8 (60Hz)
Air cleaner type	Medium Duty Dry replaceable element with restriction indicator

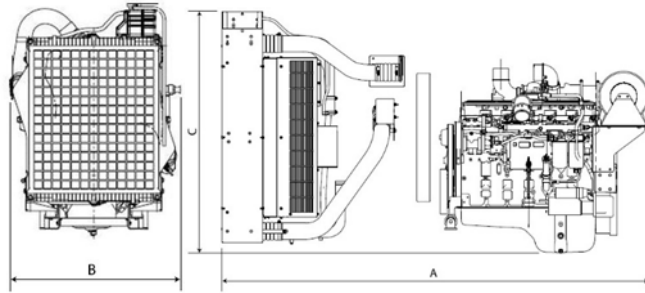
\*\* @ 13mm H2O

## Fuel Consumption 1500 (50 Hz)

%	kWm	BHP	L/hr	US Gal. /hr
<b>Standby Power</b>				
100	310	415	75	19.8
<b>Prime Power</b>				
100	268	359	63	16.6
75	201	269	46	12.1
50	134	180	31	8.2
25	67	90	17	4.4

## Fuel Consumption 1800 (60Hz)

%	kWm	BHP	L/hr	US Gal. /hr
<b>Standby Power</b>				
100	355	476	89	23.6
<b>Prime Power</b>				
100	307	412	75	19.9
75	231	309	55	14.4
50	154	206	36	9.6
25	77	103	20	5.3



\*Drawing for illustration purposes only.

## Weights and Dimensions

Length mm	Width mm	Height mm	Weight (dry) kg
2062	1140	1599	922

## 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.	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).  This rating is not applicable to all generator set models.

For more information contact your local Cummins distributor or visit [power.cummins.com](http://power.cummins.com)

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