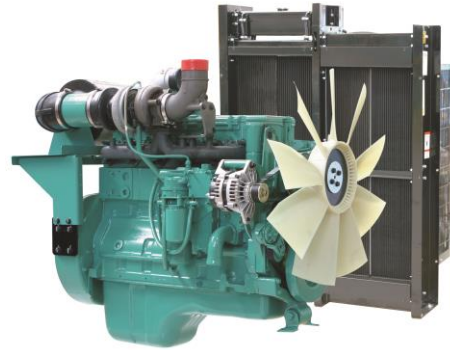


Specification sheet



QSL9-G7

EPA Tier 3 / EU Stage IIIA /
TA Luft Compliant



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 equipment is EU RoHS compliant and has been built to comply with CE certification requirement.



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

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
300/402	271/363	227/304	286/383	260/348	216/289	264	330	240	300	200	250

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
346/464	312/419	263/353	330/442	300/402	251/336	300	375	275	344	230	288

General engine data

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. ³)
Cylinder block	Cast iron, 6 cylinder
Battery charging alternator	70 amps
Starting voltage	24 volt, negative ground
Fuel system	Direct injection
Fuel filter	Spin-on fuel filters with water separator
Lube oil filter type(s)	Spin-on full flow filter
Lube oil capacity (l)	31.7
Flywheel dimensions	SAE 1 / 18

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); 50 (60Hz)
Fan power (kWm)	10 (50Hz); 11 (60Hz)
Cooling system air flow (m ³ /s)**	6.1 (50Hz); (60Hz)
Air cleaner type	Heavy Duty Dry replaceable element with restriction indicator

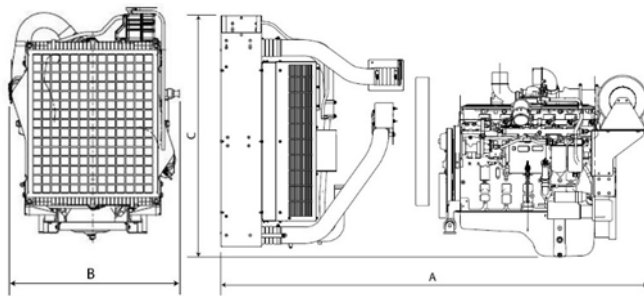
** @ 13mm H2O

Fuel consumption 1500 (50 Hz)

%	kWm	BHP	L/ph	g/kWh
Standby Power				
100	300	402	75	19.9
Prime Power				
100	271	363	70	18.5
75	203	272	56	14.8
50	136	182	39	10.3
25	68	91	19	5.0
Continuous Power				
100	227	305	62	16.5

Fuel Consumption 1800 (60Hz)

%	kWm	BHP	L/ph	g/kWh
Standby Power				
100	346	464	89	23.5
Prime Power				
100	312	419	80	21.2
75	234	314	66	17.4
50	157	210	48	12.6
25	78	105	24	6.4
Continuous Power				
100	263	353	73	19.3



Weights and dimensions

Length mm	Width mm	Height mm	Weight (dry) kg
2157	1126	1562	940

Ratings definitions

Emergency Standby Power (ESP):	Limited-Time Running Power (LTP):	Prime Power (PRP):	Base Load (Continuous) Power (COP):
Applicable for supplying power to varying electrical load for the duration of power interruption of a reliable utility source. Emergency Standby Power (ESP) is in accordance with ISO 8528. Fuel Stop power in accordance with ISO 3046, AS 2789, DIN 6271 and BS 5514.	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, AS 2789, DIN 6271 and BS 5514.	Applicable for supplying power continuously to a constant electrical load for unlimited hours. Continuous Power (COP) in accordance with ISO 8528, ISO 3046, AS 2789, DIN6271 and BS 5514.