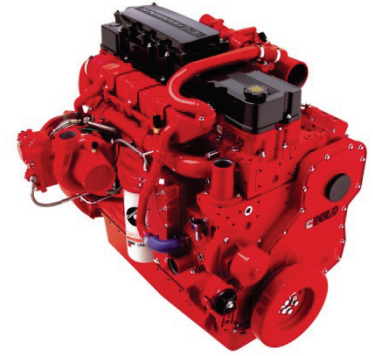


QSL9-G8

Emissions Compliance:
EU Stage IIIA at 50Hz and 60Hz
EPA Tier 4i at 50Hz and 60Hz



> Specification sheet



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Description

The QSL9 incorporates the latest diesel engine technology, including a high pressure common rail fuel system for greater fuel efficiency, lower noise and reduced emissions. This engine will replace the QSL9 EPA Tier 3 engines in all markets that require compliance to the EPA Tier 4 Interim emissions

Features

Low Exhaust Emissions – A state of the art, efficient exhaust diesel particulates filter (DPF) system reduces exhaust emissions to meet 2011 USA and European standards. The QSL9-G8 engine requires Ultra Low Sulfur Diesel (ULSD) fuel (15 ppm sulfur maximum).



Full-Authority Electronic Controls - Optimize engine operation and deliver critical information for controlling costs, reducing maintenance and seamless integration with other components.

Low-Maintenance Fuel Filter Assembly - The fuel filter incorporates an integral water separator and water-in-fuel sensor; 500-hour filter life with easy top-load replacement using standard Fleetguard® filters.

Integrated Design – Each component (Engine, DPF and Air Cleaner) 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 built to comply with CE certification.



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			Typical Generator Set Output					
Standby	Prime	Base	Standby (ESP)		Prime (PRP)		Base (COP)	
kWm/BHP			kWe	kVA	kWe	kVA	kWe	kVA
276/370	251/336	226/303	240	300	220	275	200	250

1800 rpm (60 Hz Ratings)

Gross Engine Output			Typical Generator Set Output					
Standby	Prime	Base	Standby (ESP)		Prime (PRP)		Base (COP)	
kWm/BHP			kWe	kVA	kWe	kVA	kWe	kVA
323/433	293/393	264/354	275	344	250	313	225	261

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General Engine Data

Type	4 cycle, in-line, Turbo Charged, Air-cooled
Bore mm	114 mm (4.49 in.)
Stroke mm	145 mm (5.69 in.)
Displacement Litre	8.9 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)	18.9
Flywheel Dimensions	SAE 1 / 14

Coolpac Performance Data

Cooling System Design	Air-Air Charge Cooled
Coolant Ratio	50% ethylene glycol; 50% water
Coolant Capacity (l)	Engine Only
Limiting Ambient Temp.**	
Fan Power	
Cooling System Air Flow (m ³ /s)**	
Air Cleaner Type	Heavy Duty, dry replaceable element with restriction indicator.

** @ 13 mm H²o

Ratings Definitions

Emergency Standby Power (ESP):

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.

Limited-Time Running Power (LTP):

Applicable for supplying power to a constant electrical load for limited hours. Limited-Time Running Power (LTP) is in accordance with ISO 8528.

Prime Power (PRP):

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.

Base Load (Continuous) Power (COP):

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.

Engine Weight & Dimensions

Length	Width	Height	Weight (dry)
mm	mm	mm	kg
1208	925	1266	708

Fuel Consumption 1500 (50 Hz)

%	kWm	BHP	L/hr	US gal/hr
Standby Power				
100	276	370	70	18.5
Prime Power				
100	251	336	62	16.5
75	188	252	50	13.1
50	125	168	35	9.3
25	63	84	20	5.2
Continuous Power				
100	226	303	58	15.2

Fuel Consumption 1800 (60 Hz)

%	kWm	BHP	L/hr	US gal/hr
Standby Power				
100	323	433	82	21.6
Prime Power				
100	293	393	74	19.5
75	220	295	58	15.3
50	147	197	41	10.7
25	73	98	23	6.2
Continuous Power				
100	264	354	68	17.9

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