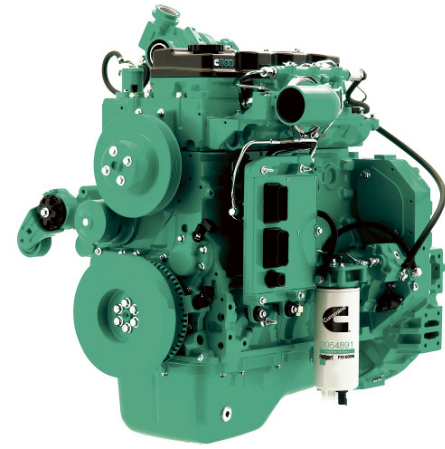


# QSB5-G2

Emissions Compliance:  
EU Stage IIIA at 50 Hz  
EPA Tier 3 at 60 Hz



> Specification sheet

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## Description

The QSB5 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 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.

## Features

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

**Holset HX35 Wastegated Turbo** - Wastegated design optimizes transient response.

**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.

**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.

## 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
84/113	73/98	66/89	76/102	66/89	59/79	64	80	58	72	55	69

## 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
96/129	84/112	77/103	84/113	73/98	66/89	70	88	65	81	62	77

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## General Engine Data

Type	4-Cycle, in-line, 4-cylinder diesel
Bore mm	107 mm (4.21 in.)
Stroke mm	124 mm (4.88 in.)
Displacement Litre	4.5 litre (275 in. <sup>3</sup> )
Cylinder Block	Cast iron, 4 cylinder
Battery Charging Alternator	100 amps
Starting Voltage	12 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)	12.2
Flywheel Dimensions	SAE3

## Coolpac Performance Data

Cooling System Design	Not available
Coolant Ratio	
Coolant Capacity (l)	
Limiting Ambient Temp**(°C)	
Fan Power (kWm)	
Cooling System Air Flow (m <sup>3</sup> /s)**	
Air Cleaner Type	

\*\* @ 13 mm H<sub>2</sub>O

## Weight & Dimensions

Length	Width	Height	Weight (dry)
mm	mm	mm	kg
1353	855	1143	897

## Fuel Consumption 1500 (50 Hz)

%	kWm	BHP	L/ph	US gal/ph
<b>Standby Power</b>				
100	84	113	22	5.9
<b>Prime Power</b>				
100	73	98	20	5.4
75	55	74	16	4.1
50	37	49	11	2.8
25	18	25	6	1.5
<b>Continuous Power</b>				
100	66	89	19	5.0

## Fuel Consumption 1800 (60 Hz)

%	kWm	BHP	L/ph	US gal/ph
<b>Standby Power</b>				
100	96	129	26	6.8
<b>Prime Power</b>				
100	84	112	23	6.0
75	63	84	19	5.0
50	42	56	13	3.4
25	21	28	8	2.0
<b>Continuous Power</b>				
100	77	103	22	5.7

## 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 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.

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