Specification Sheet

QSB7-G18

Description

The QSB7 incorporates the latest diesel engine technology, including a high-pressure common rail fuel system for greater fuel efficiency, lower noise and reduced emissions.

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.

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.

ISO 9001	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
200/268	190/255	170/228	191/256	181/243	161/219	176	220	160	200	N/A	N/A

General Engine Data

Fuel Rating	FR97960
Type	4 cycle, in-line, 6-cylinder diesel
Bore mm	107 mm (4.21 in.)
Stroke mm	124 mm (4.88 in.)
Displacement litre	6.69 litre (408 $in.^3$)
Cylinder block	Cast iron, 6 cylinder
Battery charging alternator	100 amps
Starting voltage	24-volt
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 2

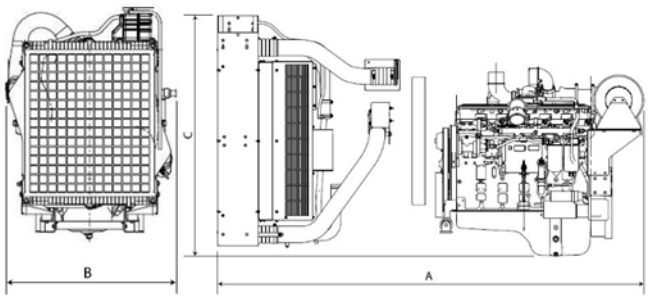
Coolpac Performance Data

Cooling system design	Air-air Charge Cooled
Coolant ratio	50% ethylene glycol; 50% water
Coolant capacity (l)	17.0
Limiting ambient temp.** (°C)	50 (50Hz); 55 (60Hz)
Fan power (kWm)	7.4 (50Hz); 14.1 (60Hz)
Cooling system air flow (m^3/s)**	4.0 (50Hz); 5.5 (60Hz)
Air cleaner type	Heavy duty dry replaceable element with restriction indicator

** @ 13mm H2O

Fuel Consumption 1500 (50 Hz)

%	kWm	BHP	L/hr	US Gal./hr
Standby Power				
100	200	268	51	13.4
Prime Power				
100	190	255	48	12.7
75	143	191	36	9.4
50	95	128	27	7.0
25	48	64	14	3.6
Continuous Power				
100	170	228	44	11.5



**Drawing for illustration purposes only.*

Weights and Dimensions

Length mm	Width mm	Height mm	Weight (dry) kg
1742	858	1187	620

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

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