Specification sheet



QSB7-G3 EU Stage IIIA / EPA Tier 3



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.



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	
174/223	151/203	134/180	158/212	137/184	120/161	140	175	120	150	110	138

1800 rpm (60 Hz ratings)

Gross engine output		Net engine output		Typical generator set output							
Standby	Prime	Base	Standby	Prime	Base	Standb	y (ESP)	Prime	(PRP)	Base	(COP)
kWm/BHP			kWm/BHP		kWe	kVA	kWe	kVA	kWe	kVA	
186/250	163/218	145/194	170/228	149/200	131/176	150	188	136	170	120	150

General engine data

Туре	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 (275 in. ³)		
Cylinder block	Cast iron, 6 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 (I)	18.9		
Flywheel dimensions	SAE2		

Coolpac performance data

Air-air Charge Cooled		
50% ethylene glycol; 50% water		
36		
50 (50Hz); 60 (60Hz)		
4.8 (50Hz); 7.7 (60Hz)		
2 (50Hz); 3.1 (60Hz)		
Light duty dry replaceable element with restriction indicator		

Fuel consumption 1500 (50 Hz)

%	kWm	BHP	L/ph	g/kWh				
Standby Power								
100	174	233	44	11.5				
Prime Pow	Prime Power							
100	151	203	38	10.1				
75	114	152	30	8.0				
50	76	102	21	5.7				
25	38	51	11	2.8				
Continuous Power								
100	134	180	35	9.3				

Fuel Consumption 1800 (60Hz)

%	kWm	BHP	L/ph	g/kWh			
Standby Power							
100	186	250	48	12.8			
Prime Pow	Prime Power						
100	163	218	42	11.2			
75	122	164	33	8.6			
50	81	109	23	6.2			
25	41	55	12	3.3			
Continuous Power							
100	145	194	38	10.1			

Weights and dimensions (Engine only)

Length	Width	Height	Weight (dry)		
mm	mm	mm	kg		
1688	862	1190			

Ratings definitions

Emergency Standby	Limited-Time Running	Prime Power (PRP):	Base Load (Continuous)
Power (ESP):	Power (LTP):		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.

For more information contact your local Cummins distributor or visit power.cummins.com



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