Specification Sheet

L8.9-G4

Non-emissionised

Description

Cummins L mechanical engines are built to deliver heavy-duty performance in every piece of machinery. The L8.9 engine has established an unrivalled reputation for reliability, incorporating features designed to maximise engine integration within OEM installation.

The L8.9 features indirect fuel injection, resulting in cleaner, quieter and more fuel-efficient performance. With a highly compact 6-cylinder envelope and extremely low heat rejection, the engine offers a high degree of installation flexibility.

Features

Inline Fuel Injection: Inline-type Bosch pump operates at high injection pressures for cleaner combustion and lower emissions.

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.

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
250/335	228/306	NA	237/318	215/288	NA	220	275	200	250	NA	NA

General Engine Data

Fuel Rating	FR95304
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	6 cylinder
Battery charging alternator	70 amps
Starting voltage	24-volt
Fuel system	Bosch inline
Fuel filter	Spin-on fuel filters with water separator
Lube oil filter type(s)	Spin-on full flow filter
Lube oil capacity (l)	26.5
Flywheel dimensions	SAE 1

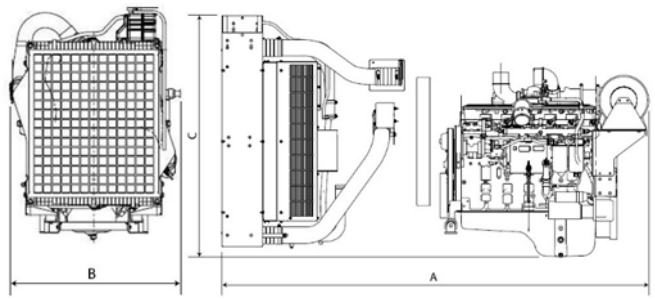
Coolpac Performance Data

Cooling system design	Air-air Charge Cooled
Coolant ratio	50% ethylene glycol; 50% water
Coolant capacity (l)	36
Limiting ambient temp.** (°C)	53.9 (50Hz)
Fan power (kWm)	11 (50Hz)
Cooling system air flow (m^3/s)**	4.9 (50Hz)
Air cleaner type	Medium Duty Dry replaceable element with restriction indicator

** @ 13mm H2O

Fuel Consumption 1500 (50 Hz)

%	kWm	BHP	L/hr	US Gal. /hr
Standby Power				
100	250	335	69	18.3
Prime Power				
100	228	306	61	16.1
75	171	230	44	11.5
50	114	153	29	7.6
25	57	77	16	4.2
Continuous Power				
100	171	229	44	11.5



**Drawing for illustration purposes only.*

Weights and Dimensions

Length mm	Width mm	Height mm	Weight (dry) kg
2062	1182	1564	930

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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L8.9-G4 (07/23)