

X1.3-G2



> Specification sheet

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Description

The X1.3 has all the strength and reliability the industry has come to expect from Cummins Inc., but in a smaller, lighter and more economical package. The X1.3 features direct fuel injection, resulting in cleaner quieter and more fuel efficient performance. The CoolPac system offers a cost effective, fully warranted, high ambient, integrated system solution capable of meeting our customers application requirements.



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

The X1.3 engine is built to last, with a cast-iron block designed for durability and reliability. Design elements include:

- Bosch direct injection in-line pump for cleaner, more efficient fuel consumption.
- Heavy Duty Air Cleaner, fitted as standard.
- Parent bore block with deep, stiff crankcase and optimised rib arrangement to enhance strength and reduce noise.
- 12 volt electrics package as standard, with starter, fuel solenoid and electronic governor fitted as standard.
- Single spin-on Oil Filter and Fuel Filter
- 500 hour Service Intervals
- SAE 4/6.5 flywheel housing

Integrated Design – The X1.3 Coolpac is supplied with cooling package in kit form for OEM mounting. A heavy duty air cleaner is supplied fitted to engine to provide 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.

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
11.8 (15.8)	10.6 (14.2)	8.3 (11.1)	8.8	11	8	10	5.6	7



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General Engine Data

Type	Inline, 4 cylinder, Diesel
Bore	95mm
Stroke	91mm
Displacement	1.29litre
Cylinder Block	Alloy cast iron, in-line, 2 cylinder
Battery Charging Alternator	Not supplied.
Starting Voltage	12 Volts
Fuel System	Direct Injection
Fuel Filter	Spin-on fuels filter with water separator
Lube Oil Filter Type	Spin on full flow filter
Lube Oil Capacity	4.5 Litre
Flywheel Dimensions	SAE 4/6.5"

Coolpac Performance Data

Cooling System Design	Jacket Water Cooled
Coolant Ratio	
Coolant Capacity (l)	3
Limiting Ambient Temp.**	50degC
Fan Power (Kwm)	0.4
Cooling System Air Flow (m ³ /s)**	12.45
Air Cleaner Type	Heavy Duty (25g/CFM)

** @ 12 mm H₂O



Shipping Weight & Dimensions

Length	Width	Height	Weight (dry)
mm	mm	mm	kg
950	750	965	265

Fuel Consumption 1500 (50 Hz)

%	kWm	BHP	L/ph	US gal/ph
Standby Power				
100	11.8	15.8	3.4	0.9
Prime Power				
100	10.6	14.2	3	0.8
75	7.94	10.65	2.4	0.6
50	5.3	7.1	1.8	0.5
25	2.65	3.55	1.2	0.3
Continuous Power				
100	8.3	11.1	2.5	0.7

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 8528. Fuel Stop power in accordance with ISO 3046, AS 2789, DIN 6271 and BS 5514.

Limited-Time Running Power (LTP):

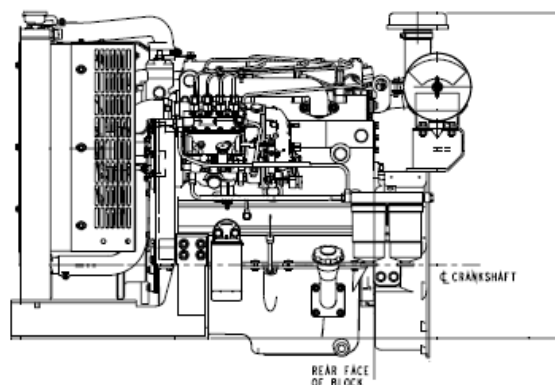
Applicable for supplying power to a constant electrical load for limited hours. Limited-Time Running Power (LTP) is in accordance with ISO 8528.

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.



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