# 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.

CE — This engine has been built to comply with CE certification.

ISO 9001 — 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 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.

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## 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 $H^20$

## 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.

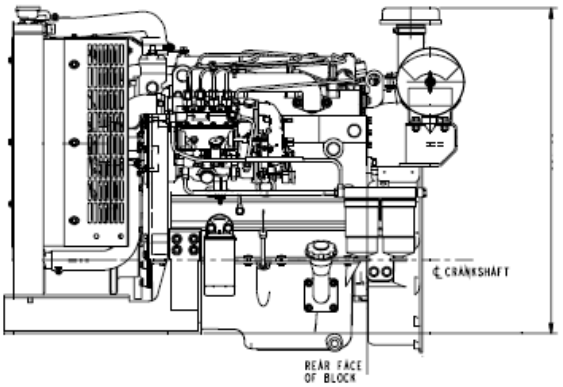
**Base Load (Continuous) Power (COP):**
Applicable for supplying power continuously to a constant electrical load for unlimited hours. Continuous Power (COP) in accordance with ISO 8528, ISO 3046, AS 2789, DIN6271 and BS 5514.

## 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 |

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