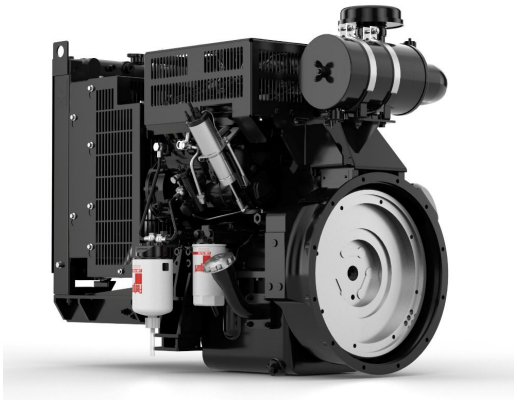
Specification Sheet

X3.3-G2

Fuel Optimized



Description

The X3.3 has all the strength and reliability the genset industry has come to expect from the X Series range but in a smaller, lighter and more economical package. The X3.3 features direct fuel injection, resulting in cleaner, quieter and more fuel-efficient performance. With a highly compact 4-cylinder envelope and extremely low heat rejection, the engine offers a high degree of installation flexibility.

Features

MICO direct injection in-line pump for cleaner, more efficient fuel consumption.

Parent bore block with deep, stiff crankcase and optimised rib arrangement to enhance strength and reduce noise.

12-volt electrics package, with starter, alternator and fuel solenoid.

Shallow oil pan and single spin-on oil and Fuel Filter

SAE ‘3/11.5’ flywheel housing

Integrated Design - CoolPac products are supplied fitted with cooling package and air cleaner 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 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

1800 rpm (60 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
42/56	36/48	29/39	40/54	35/47	28/38	36	45	32	40	25	31

General Engine Data

Fuel Rating	N/A
Type	4 cycle, in-line, naturally aspirated
Bore mm	91.4 mm (3.59 in.)
Stroke mm	127 mm (5 in.)
Displacement litre	3.3 litre (205 $in.^3$)
Cylinder block	Cast iron, 4 cylinder
Battery charging alternator	36 amps
Starting voltage	12-volt
Fuel system	MICO Inline A-Type
Fuel filter	Spin-on fuel filters with water separator
Lube oil filter type(s)	Spin-on full flow filter
Lube oil capacity (l)	8
Flywheel dimensions	SAE 3

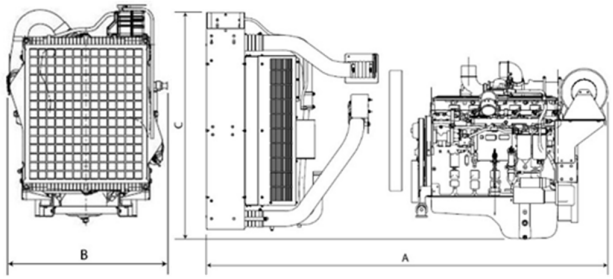
Coolpac Performance Data

Cooling system design	Jacket Water After cooled
Coolant ratio	50% ethylene glycol; 50% water
Coolant capacity (l)	11
Limiting ambient temp.** (℃)	50
Fan power (kWm)	1.19
Cooling system air flow (m^3/s)**	1.76
Air cleaner type	Heavy Duty Dry replaceable element with restriction indicator

** @ 13 mm H_20

Fuel Consumption 1500 (50 Hz)

%	kWm	BHP	L/hr	US Gal./hr
Standby Power				
100	42	56	12.2	3.2
Prime Power				
100	36	48	9.7	2.5
75	26	35	6.9	1.8
50	18	24	5.1	1.3
25	9	12	3.3	0.9
Continuous Power				
100	29	39	7.7	2.0



**Drawing for illustration purposes only.*

Weights and Dimensions

Length mm	Width mm	Height mm	Weight (dry) kg
1123.29	712.4	841.1	269

Ratings Definitions

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

Our energy working for you.™

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