



# X3.3-G1

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

## 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 |
| 36/48               | 32/43 | 25/34 | 34/46             | 31/42 | 24/32 | 31                           | 38  | 28          | 35  | 21         | 27  |

## 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. <sup>3</sup> )         |
| 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                                     |

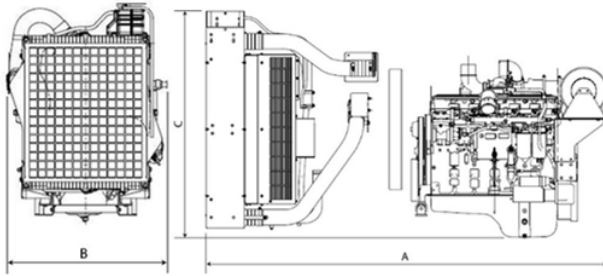
## Coolpac Performance Data

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

\*\* @ 13 mm H<sub>2</sub>O

## Fuel Consumption 1500 (50 Hz)

| %                       | kWm | BHP | L/hr | US Gal./hr |
|-------------------------|-----|-----|------|------------|
| <b>Standby Power</b>    |     |     |      |            |
| 100                     | 36  | 48  | 10.4 | 2.7        |
| <b>Prime Power</b>      |     |     |      |            |
| 100                     | 32  | 43  | 8.5  | 2.3        |
| 75                      | 24  | 33  | 6.1  | 1.7        |
| 50                      | 16  | 22  | 4.3  | 1.2        |
| 25                      | 8   | 11  | 2.8  | 0.7        |
| <b>Continuous Power</b> |     |     |      |            |
| 100                     | 25  | 34  | 6.4  | 1.7        |



\*Drawing for illustration purposes only.

## Weights and Dimensions

| Length<br>mm | Width<br>mm | Height<br>mm | Weight (dry)<br>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. |

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