

X3.3-G1



> Specification sheet



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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.



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

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

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

12 volt electrical package as standard, with starter, alternator and fuel solenoid.

Minimal de-rate for high altitude or high ambient applications.

Shallow oil pan and single spin-on oil and fuel filter.

SAE '3/11.5' flywheel/flywheel housing.

Integrated Design - CoolPac products are supplied fitted with cooling package and heavy duty 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.

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 | 25.2/33.7 8 | 35/46 | 31/41 | N/A | 30 | 38 | 28 | 35 | N/A | N/A |

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General Engine Data

| | |
|-----------------------------|--|
| Type | 4- cycle, In-line, 4- cylinder, Naturally Aspirated, Diesel, |
| Bore mm | 91.4 mm (3.59 in.) |
| Stroke mm | 127 mm (5 in.) |
| Displacement Litre | 3.3 litre (204 in. ³) |
| Cylinder Block | Cast iron, 4 cylinder |
| Battery Charging Alternator | 36 amps |
| Starting Voltage | 12 volt, negative ground |
| Fuel System | Direct injection |
| Fuel Filter | Spin on fuel filters with water drain facility |
| Lube Oil Filter Type(s) | Spin on full flow filter |
| Lube Oil Capacity (l) | 6.5 |
| Flywheel Dimensions | 3/11.5 |

Coolpac Performance Data

| | |
|---|---|
| Cooling System Design | Jacket water cooled |
| Coolant Ratio | 50% ethylene glycol; 50% water |
| Coolant Capacity (l) | 8.6 |
| Limiting Ambient Temp.** | 50 degC |
| Fan Power (kw) | 1 |
| Cooling System Air Flow (m ³ /s)** | 1.7 |
| Air Cleaner Type | Heavy Duty Dry replaceable element with restriction indicator |

** @ 8 mm H₂O Prime power

Weight & Dimensions

| | Length | Width | Height | Weight (dry) |
|----------|--------|-------|--------|--------------|
| | Mm | mm | mm | kg |
| CoolPac | 1124 | 687 | 796 | 317 |
| Shipping | 1190 | 780 | 1050 | 465 |

Fuel Consumption 1500 (50 Hz)

| % | kWm | BHP | L/ph | US gal/ph |
|-------------------------|------|-------|------|-----------|
| Standby Power | | | | |
| 100 | 36 | 48 | 10.4 | 2.7 |
| Prime Power | | | | |
| 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 |
| Continuous Power | | | | |
| 100 | 25.2 | 33.78 | 6.4 | 1.7 |

Cummins G-Drive Engines

Asia Pacific

10 Toh Guan Road
#07-01
TT International Tradepark
Singapore 608838
Phone 65 6417 2388
Fax 65 6417 2399

Europe, CIS, Middle East and Africa

Manston Park Columbus Ave
Manston Ramsgate
Kent CT12 5BF, UK
Phone 44 1843 255000
Fax 44 1843 255902

Latin America

Rua Jati, 310, Cumbica
Guarulhos, SP 07180-900
Brazil
Phone 55 11 2186 4552
Fax 55 11 2186 4729

Mexico

Cummins S. de R.L. de C.V.
Eje 122 No. 200 Zona Industrial
San Luis Potosí, S.L.P. 78090
Mexico
Phone 52 444 870 6700
Fax 52 444 870 6811

North America

1400 73rd Avenue N.E.
Minneapolis, MN 55432
USA
Phone 1 763 574 5000
USA Toll-free 1 877 769 7669
Fax 1 763 574 5298

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):

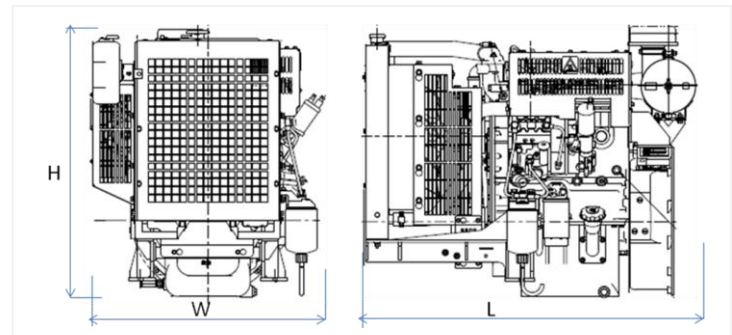
Applicable for supplying power to a constant electrical load for limited hours. Limited-Time Running Power (LTP) is in accordance with ISO 8528.

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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