



## Generator Engine Performance Data

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Basic Engine Model:

**4BT3.9-G1**

**FR92341**

**FR92341 @ 1500 RPM**

Configuration

D382012GX02

CPL Code

CPL: 3115

Revision

2009-4-15

Compression Ratio: **17.3:1**

Bore: **102 mm**

Stroke: **120 mm**

Governor Regulation: **≤8%**

Aspiration: **Turbocharged**

Displacement: **3.9 L**

No. of Cylinders: **4**

Fuel System: **BYC A/RSV Mechanical**

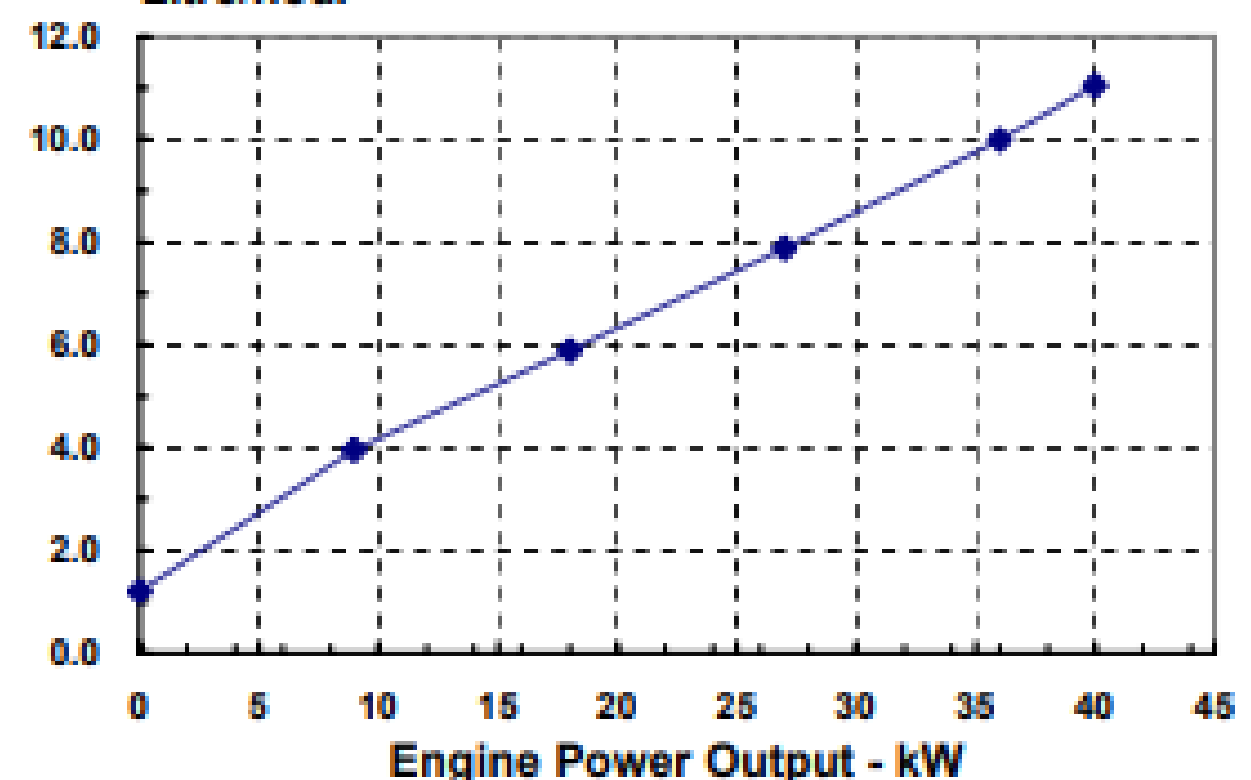
All data is based on the engine operating with fuel system, water pump, and 10 in H<sub>2</sub>O (2.488 kPa) inlet air restriction with 5.98 in (152mm) inner diameter, and with 2.01 in Hg (7 kPa) exhaust restriction with 4.02 in (102 mm) inner diameter; not included are alternator, fan, optional equipment and driven components. Coolant flows and heat rejection data based on coolants as 50% ethylene glycol/50% water. All data is subject to change without notice.

| Engine Speed | Standby Power |    | Prime Power |    | Continuous Power |     |
|--------------|---------------|----|-------------|----|------------------|-----|
| RPM          | kW            | HP | kW          | HP | kW               | HP  |
| 1500         | 40            | 54 | 36          | 48 | TBD              | TBD |

### Engine Performance Data @ 1500 RPM

| OUTPUT POWER     |     |     | FUEL CONSUMPTION |      |
|------------------|-----|-----|------------------|------|
| %                | kW  | HP  | g/kW.h           | L/h  |
| STANDBY POWER    |     |     |                  |      |
| 100              | 40  | 54  | 228              | 11.1 |
| PRIME POWER      |     |     |                  |      |
| 100              | 36  | 48  | 229              | 10.0 |
| 75               | 27  | 36  | 241              | 7.9  |
| 50               | 18  | 24  | 270              | 5.9  |
| 25               | 9   | 12  | 363              | 4.0  |
| CONTINUOUS POWER |     |     |                  |      |
| TBD              | TBD | TBD | TBD              | TBD  |

Litre/hour



### Engine Performance Data @ 1800 RPM

**Not Available at 1800 RPM**

**Not Available at 1800 RPM**

Curves shown above represent gross engine performance capabilities obtained and corrected in accordance with GB/T18297 conditions of 100kPa (29.61 in. Hg) barometric pressure [80 m (263 ft.) altitude], 25°C (77°F) inlet air temperature, and 1 kPa (0.30 in. Hg) water vapor pressure with No.0 diesel fuel. The engine may be operated without changing the fuel setting up to 2200 m (7218ft.) altitude.