



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**

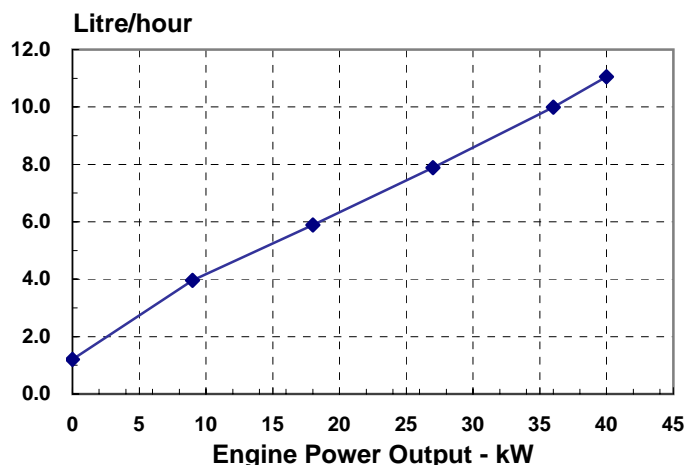
Fuel System: **BYC A/RSV Mechanical**

All data is based on the engine operating with fuel system, water pump, and 10 in H₂O (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 |



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.