| Generator Engine Performance Data | Basic Engine Model: | FR96597 @ 1500 RPM &1800RPM | | |
|---|---|---|---|---|
| DONGFENG CUMMINS ENGINE Co.,LTD<br>Xiangfan, Hubei Province, China<br>http://www.dcec.com.cn | **4B3.9-G11**<br>**FR96597** | **Configuration**<br>**D381004GX02** | **CPL Code**<br>**CPL: 5357** | **Revision**<br>**2018/5/15** |

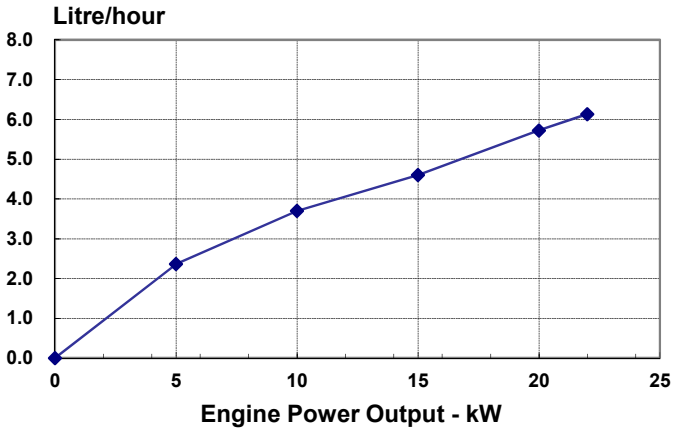
| | | | |
|---|---|---|---|
| Compression Ratio: | **18.0:1** | Aspiration: | **Naturally Aspirated** |
| Bore: | **102 mm** | Displacement: | **3.9 L** |
| Storke: | **120 mm** | No. of Cylinders: | **4** |
| Emission Certification: | | Fuel System: | **WF A/RSV** |
| Governor Regulation: | **⩽6%** | | |

All data is based on the engine operating with fuel system, water pump, and 14.8 in $H_2O$ (3.7 kPa) inlet air restriction with 5.98 in (152mm) inner diameter, and with 2.95 in Hg (10 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 | 22 | 29 | 20 | 27 | TBD | TBD |
| 1800 | 26 | 35 | 23 | 31 | TBD | TBD |

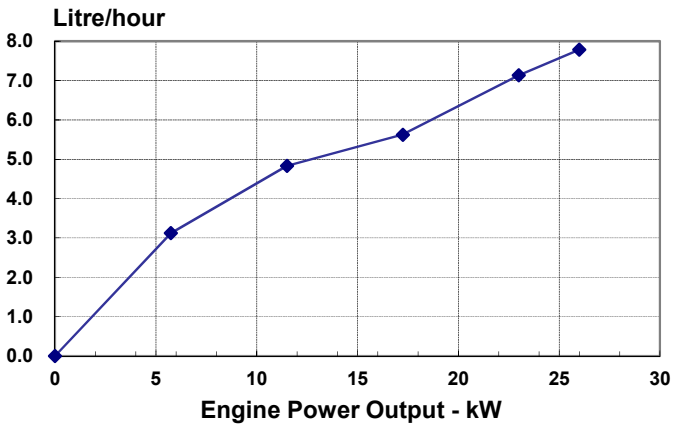
## Engine Performance Data @ 1500 RPM

| OUTPUT POWER | | | FUEL CONSUMPTION | |
|---|---|---|---|---|
| % | kW | HP | g/kW.h | L/h |
| STANDBY POWER | | | | |
| 100 | 22 | 29 | 230 | 6.1 |
| PRIME POWER | | | | |
| 100 | 20 | 27 | 236 | 5.7 |
| 75 | 15 | 20 | 253 | 4.6 |
| 50 | 10 | 14 | 305 | 3.7 |
| 25 | 5 | 7 | 390 | 2.4 |
| CONTINUOUS POWER | | | | |
| TBD | TBD | TBD | TBD | TBD |




## Engine Performance Data @ 1800 RPM

| OUTPUT POWER | | | FUEL CONSUMPTION | |
|---|---|---|---|---|
| % | kW | HP | g/kW.h | L/h |
| STANDBY POWER | | | | |
| 100 | 26 | 35 | 247 | 7.8 |
| PRIME POWER | | | | |
| 100 | 23 | 31 | 256 | 7.1 |
| 75 | 17 | 23 | 273 | 5.6 |
| 50 | 12 | 16 | 332 | 4.8 |
| 25 | 6 | 8 | 430 | 3.1 |
| CONTINUOUS POWER | | | | |
| TBD | TBD | TBD | TBD | TBD |




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.