



Generator Engine Performance Data

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Basic Engine Model:

6CTAA8.3-G2

FR93271

FR93271 @ 1500 RPM &1800RPM

Configuration
D413058GX03

CPL Code
CPL: 1783

Revision
2020/5/15

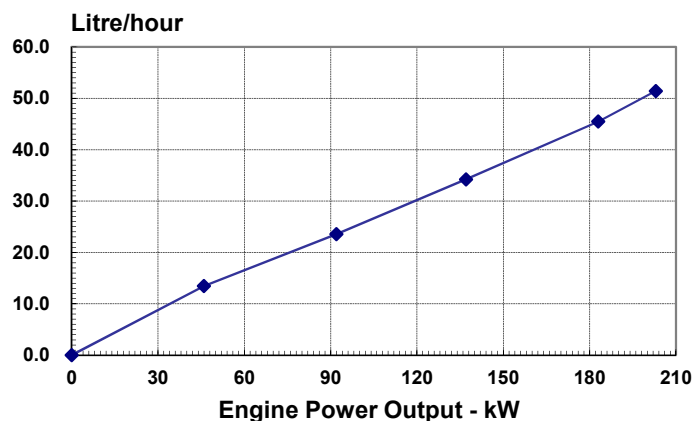
| | | | |
|-------------------------|---------------|-------------------|--------------------------------------|
| Compression Ratio: | 17.3:1 | Aspiration: | Charge Air Cooled |
| Bore: | 114 mm | Displacement: | 8.3 L |
| Stroke: | 135 mm | No. of Cylinders: | 6 |
| Emission Certification: | | Fuel System: | BYC P7100 ELECTRONIC GOVERNOR |
| Governor Regulation: | ≤3% | | |

All data is based on the engine operating with fuel system, water pump, and 14.8 in H₂O (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 | 203 | 272 | 183 | 245 | 149 | 200 |
| 1800 | 210 | 281 | 190 | 255 | TBD | TBD |

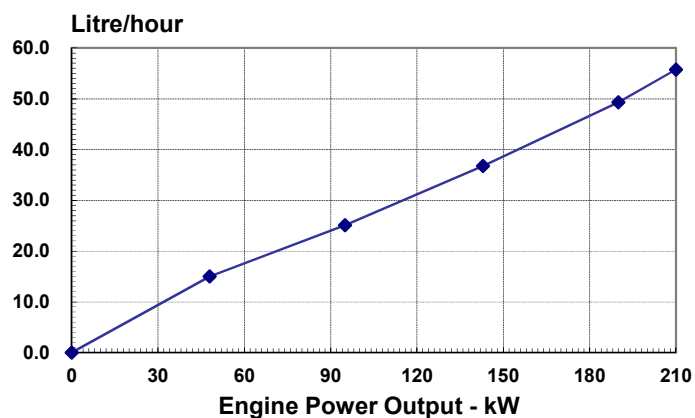
Engine Performance Data @ 1500 RPM

| OUTPUT POWER | | | FUEL CONSUMPTION | |
|------------------|-----|-----|------------------|------|
| % | kW | HP | g/kW.h | L/h |
| STANDBY POWER | | | | |
| 100 | 203 | 272 | 209 | 51.0 |
| PRIME POWER | | | | |
| 100 | 183 | 245 | 205 | 45.0 |
| 75 | 137 | 184 | 206 | 34.0 |
| 50 | 92 | 123 | 211 | 23.0 |
| 25 | 46 | 61 | 241 | 13.0 |
| CONTINUOUS POWER | | | | |
| 100 | 149 | 201 | 205 | 37 |



Engine Performance Data @ 1800 RPM

| OUTPUT POWER | | | FUEL CONSUMPTION | |
|------------------|-----|-----|------------------|------|
| % | kW | HP | g/kW.h | L/h |
| STANDBY POWER | | | | |
| 100 | 210 | 281 | 219 | 56.0 |
| PRIME POWER | | | | |
| 100 | 190 | 255 | 214 | 49.0 |
| 75 | 143 | 191 | 212 | 37.0 |
| 50 | 95 | 127 | 218 | 25.0 |
| 25 | 48 | 64 | 258 | 15.0 |
| 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.