



# Generator Engine Performance Data

Dongfeng Cummins Engine Co., Ltd  
Xiangyang, Hubei Province, China

Engine Model

6ZTAA13-G2

Curve Number

FR20349

CPL Code

3715

Compression Ratio: 17:1

Cylinders: 6

Bore: 130 mm

Stroke: 163 mm

Displacement: 13.0 L

Engine Configuration: D0C3006GX03

Fuel System: BYC PD/GAC ELCTRONIC GOVERNOR

Aspiration: Turbocharged & Charge Air Cooled

Governor Regulation: ≤3%

Emission Certification:

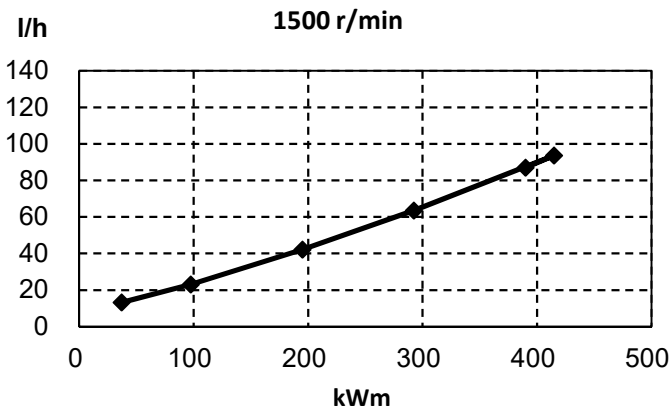
## Engine Ratings\*:

| Engine Speed | Standby Power |     | Prime Power |     | Continuous Power |     |
|--------------|---------------|-----|-------------|-----|------------------|-----|
| r/min        | bhp           | kWm | bhp         | kWm | bhp              | kWm |
| 1500         | 556           | 415 | 522         | 390 | 469              | 350 |
| 1800         | 556           | 415 | 522         | 390 | 469              | 350 |

\* All ratings refer to AEB26.02.

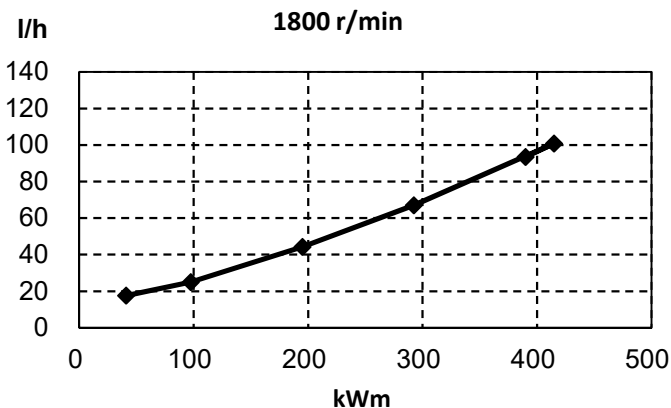
## Engine Fuel Consumption @1500 r/min

| OUTPUT POWER     |     |     | FUEL CONSUMPTION |         |       |      |
|------------------|-----|-----|------------------|---------|-------|------|
| %                | bhp | kWm | Ib/bhp.<br>h     | g/kWm.h | gal/h | l/h  |
| Standby Power    |     |     |                  |         |       |      |
| 100              | 556 | 415 | 0.319            | 194     | 24.7  | 93.6 |
| Prime Power      |     |     |                  |         |       |      |
| 100              | 522 | 390 | 0.316            | 192     | 23.0  | 87.1 |
| 75               | 392 | 293 | 0.308            | 187     | 16.8  | 63.6 |
| 50               | 261 | 195 | 0.306            | 186     | 11.1  | 42.2 |
| 25               | 131 | 98  | 0.334            | 203     | 6.1   | 23.0 |
| continuous Power |     |     |                  |         |       |      |
| 100              | 469 | 350 | 0.311            | 189     | 20.3  | 76.9 |



## Engine Fuel Consumption @1800 r/min

| OUTPUT POWER     |     |     | FUEL CONSUMPTION |         |       |       |
|------------------|-----|-----|------------------|---------|-------|-------|
| %                | bhp | kWm | Ib/bhp.<br>h     | g/kWm.h | gal/h | l/h   |
| Standby Power    |     |     |                  |         |       |       |
| 100              | 556 | 415 | 0.344            | 209     | 26.6  | 100.9 |
| Prime Power      |     |     |                  |         |       |       |
| 100              | 522 | 390 | 0.339            | 206     | 24.6  | 93.4  |
| 75               | 392 | 293 | 0.324            | 197     | 17.7  | 67.0  |
| 50               | 261 | 195 | 0.321            | 195     | 11.7  | 44.2  |
| 25               | 131 | 98  | 0.363            | 221     | 6.6   | 25.1  |
| continuous Power |     |     |                  |         |       |       |
| 100              | 469 | 350 | 0.329            | 200     | 21.5  | 81.4  |



Curves shown above represent gross engine performance capabilities obtained and corrected in accordance with GB/T18297 conditions of 29.61 in Hg (100 kPa) barometric pressure [263 ft (80 m) altitude], 77 deg F (25 deg C) inlet air temperature, and 0.30 in Hg (1 kPa) water vapor pressure with No. 2 diesel fuel.

All data obtained is based on the engine operating, under the test conditions of 14.9 in H<sub>2</sub>O (3.7kPa) inlet air restriction and 2.95 in Hg (10 kPa) exhaust restriction, not included are alternator, fan, optional equipment and driven components.

The engine may be operated up to 5200 m (17,060 ft.) altitude.