



Stationary Pump Engine Performance Data

DONGFENG CUMMINS ENGINE Co.,LTD

XiangYang, Hubei Province, China  
<http://www.dcec.com.cn>**6LTAA9.5-G3****FR95004****250 kW @ 1500 r/min****265 kW @ 1800 r/min****CPL Code**  
**CPL4603****Revision**  
**2017/5/11****Version**  
**02**

Displacement: 9.5L

Aspiration: Turbocharged &amp; Charge Air Cooled

Application: Genset

Fuel System: Mechanical fuel pump and Electronic Governor

All data is based on the engine operating without air compressor, fan, generator, fan, optional equipment and driven components.

All data is based on the engine operating with 3.7 kPa inlet air restriction, 10 kPa exhaust restriction and with 13 kPa Inter-cooled implement differential pressure

Curves shown above represent gross engine performance capabilities obtained and corrected in accordance with GB/T18297 of 99kPa baiometric press., 298K inlet air temperature, and 1kPa water vapor pressure.

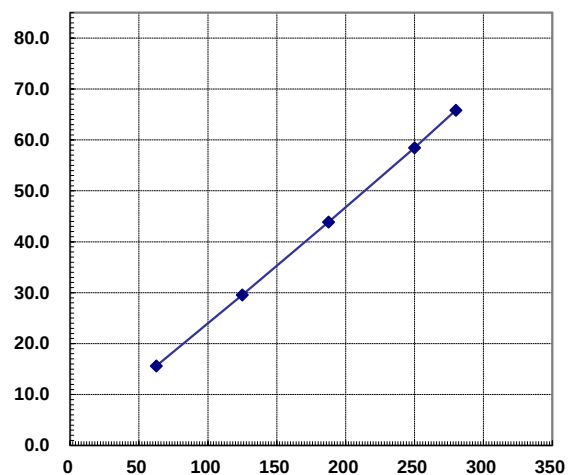
**Performance curve**

| Engine Speed | Standby Power |     | Prime Power |     | Continuous Power |     |
|--------------|---------------|-----|-------------|-----|------------------|-----|
| RPM          | kW            | HP  | kW          | HP  | kW               | HP  |
| 1500         | 280           | 375 | 250         | 335 | 200              | 268 |
| 1800         | 290           | 389 | 265         | 355 | 212              | 284 |

**Engine Performance Data @ 1500 RPM**

| OUTPUT POWER     |     |     | FUEL CONSUMPTION |     |
|------------------|-----|-----|------------------|-----|
| %                | kW  | HP  | g/kW.h           | L/h |
| STANDBY POWER    |     |     |                  |     |
| 100              | 280 | 375 | 194              | 66  |
| PRIME POWER      |     |     |                  |     |
| 100              | 250 | 335 | 193              | 58  |
| 75               | 188 | 251 | 193              | 44  |
| 50               | 125 | 168 | 195              | 30  |
| 25               | 63  | 84  | 206              | 16  |
| CONTINUOUS POWER |     |     |                  |     |
| 100              | 200 | 268 | 192              | 47  |

Litres/hour

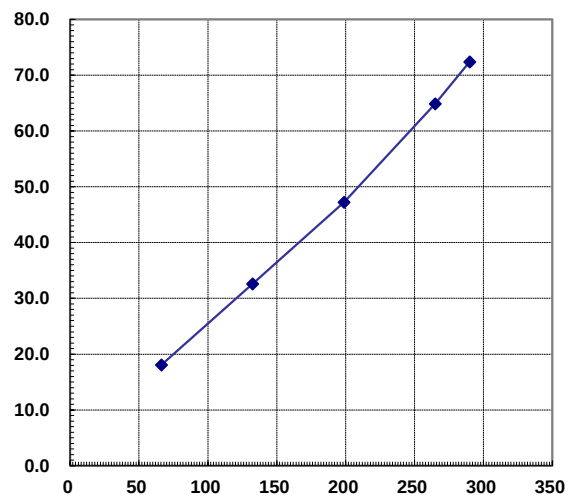


Engine Power Output - kW

**Engine Performance Data @ 1800 RPM**

| OUTPUT POWER     |     |     | FUEL CONSUMPTION |     |
|------------------|-----|-----|------------------|-----|
| %                | kW  | HP  | g/kW.h           | L/h |
| STANDBY POWER    |     |     |                  |     |
| 100              | 290 | 389 | 206              | 72  |
| PRIME POWER      |     |     |                  |     |
| 100              | 265 | 355 | 202              | 65  |
| 75               | 199 | 266 | 196              | 47  |
| 50               | 133 | 178 | 203              | 33  |
| 25               | 66  | 89  | 225              | 18  |
| CONTINUOUS POWER |     |     |                  |     |
| 100              | 212 | 284 | 198              | 51  |

Litres/hour



Engine Power Output - kW



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**General Performance Data**

|                                                    |              |     |
|----------------------------------------------------|--------------|-----|
| Low idle speed:                                    | 800±50       | rpm |
| Maximum no load speed:                             | 1575/1890±20 | rpm |
| Maximum overspeed capability(15sec max):           | 2900         | rpm |
| Cold start capability(Sea Level without Load)      |              |     |
| Without start add device:                          | -12          | ℃   |
| With air intake preheating:                        | NA           | ℃   |
| Cold start capability(Sea Level with Load)*        |              |     |
| Max parasitic load at 0℃ @ 500r/min without Aid:   | NA           | N.m |
| Max parasitic load at -15℃ @ 500r/min without Aid: | NA           | N.m |

\* The data measured at 101kPa atmospheric pressure, crank speed 120r/min, Engine use 5W40 lube oil and diesel refer to GB19147

**Performance data**

| Parameter                       | STADNBY POWER |      | PRIME POWER |      |
|---------------------------------|---------------|------|-------------|------|
|                                 | 1800          | 1500 | 1800        | 1500 |
| Engine Speed(rpm)               | 1800          | 1500 | 1800        | 1500 |
| Output Power(kW)                | 290           | 280  | 265         | 250  |
| Torque(N.m)                     | 1539          | 1783 | 1406        | 1592 |
| Inlet air flow(L/s)             | 339           | 298  | 327         | 274  |
| Charge air flow(kg/min)         | 26            | 23   | 25          | 22   |
| Exhaust gas flow(kg/min)        | 27            | 24   | 26          | 22   |
| Exhaust gas temperature(deg C)  | 482           | 482  | 448         | 458  |
| Heat rejection to coolant(kW)   | 84            | 80   | 77          | 72   |
| Radiator coolant flow(L/min)    | 5             | 3    | 5           | 3    |
| Heat rejection to CAC(kW)       | 57            | 54   | 48          | 44   |
| Turbo Comp.Outlet Pressure(kPa) | 235           | 233  | 222         | 220  |
| Temperature(deg C)              | 195           | 190  | 180         | 178  |
| Fuel Consumption(kg/hr)         | 60            | 54   | 54          | 48   |



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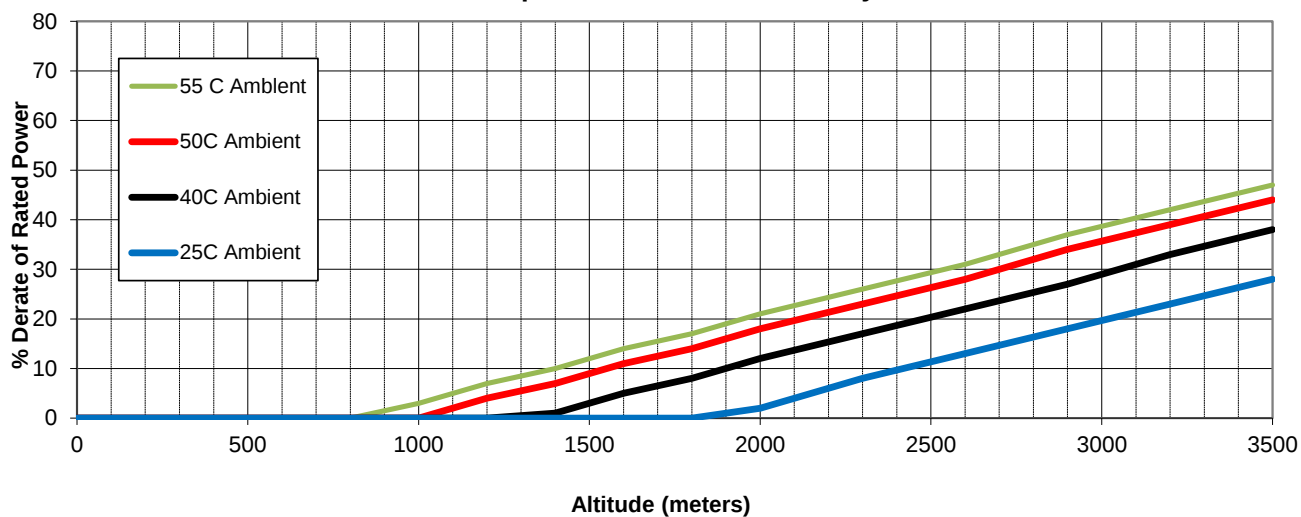
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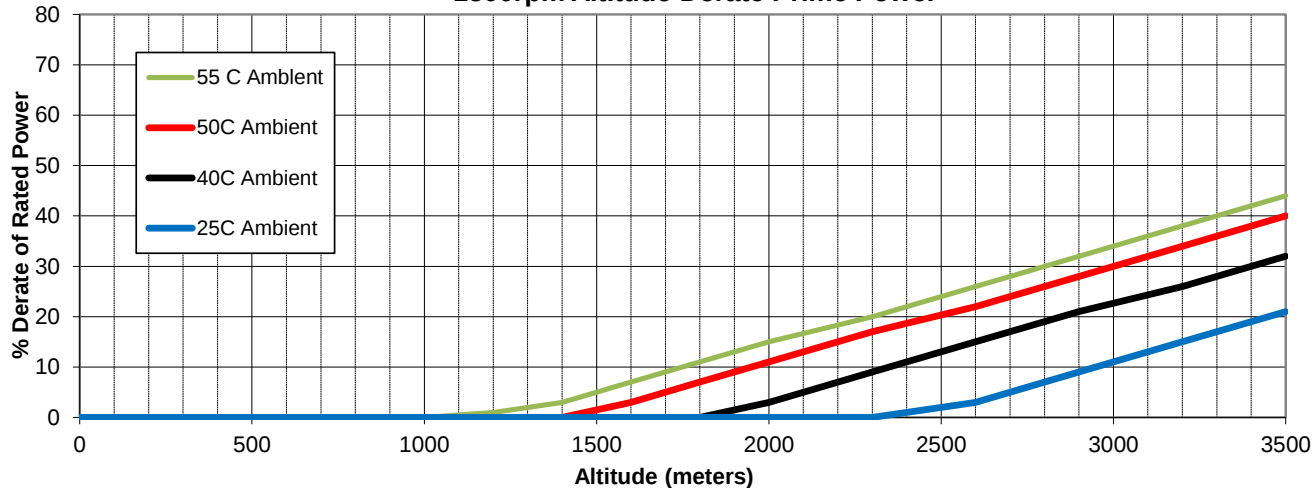
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1500rpm Altitude Derate Standby Power



1500rpm Altitude Derate Prime Power





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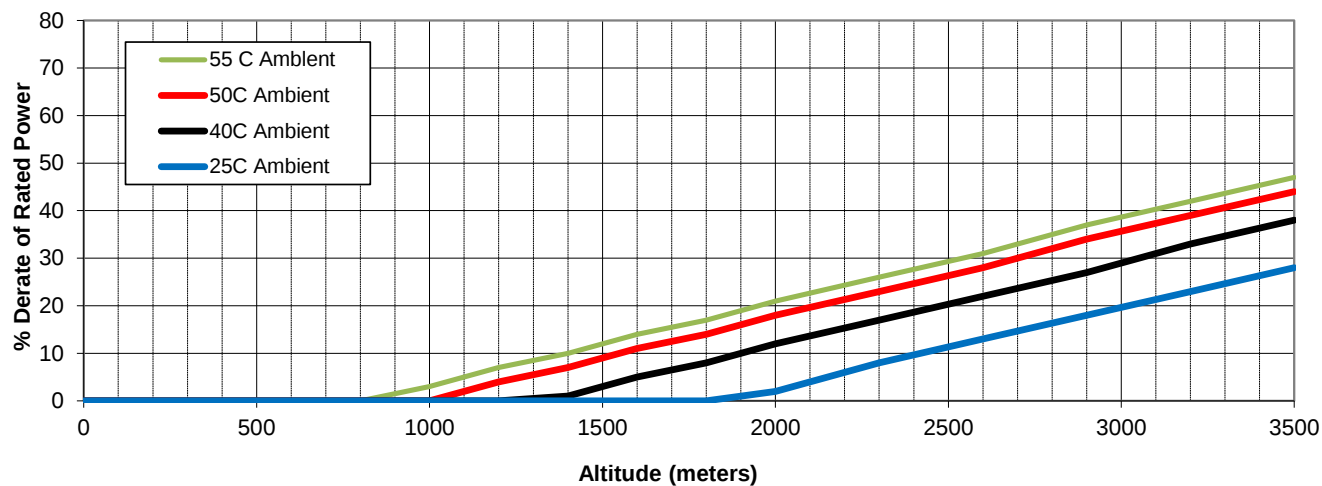
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1800rpm Altitude Derate Standby Rating



1800rpm Altitude Derate Prime Rating

