



## Generator Engine Performance Data

DONGFENG CUMMINS ENGINE Co.,LTD

Xiangfan, Hubei Province, China  
<http://www.dcec.com.cn>

Basic Engine Model:

**6BTA5.9-GM120**

**FR92438**

**120kW @ 1800 RPM**

Configuration

**D403096MX02**

CPL Code

**CPL:2976**

Revision

**2009-4-15**

Compression Ratio: **17.3 : 1**

Bore: **102 mm**

Stroke: **120 mm**

Governor Regulation: **≤3%**

Aspiration:

Displacement:

No. of Cylinders:

Fuel System:

**Turbocharged and Aftercooled**

**5.9 L**

**6**

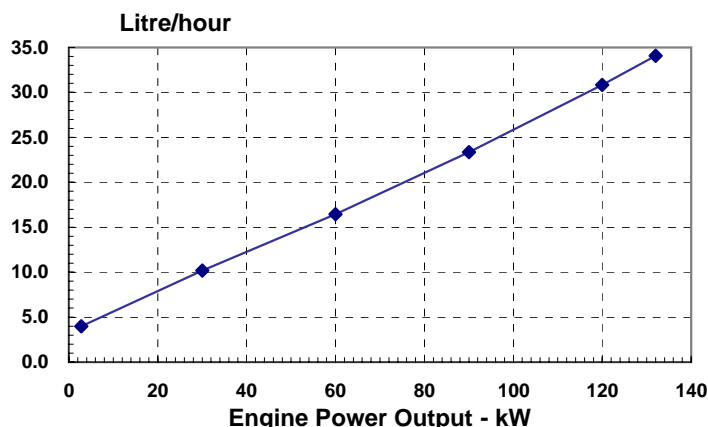
**BYC PB/GAC 24V**

All data is based on the engine operating with fuel system, water pump, and 10 in H<sub>2</sub>O (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
1800	132	177	120	161	75	101

### Engine Performance Data @ 1800 RPM

OUTPUT POWER			FUEL CONSUMPTION	
%	kW	HP	g/kW.h	L/h
STANDBY POWER				
100	132	177	213	34
PRIME POWER				
100	120	161	212	31
75	90	121	214	23
50	60	80	226	16
25	30	40	280	10
CONTINUOUS POWER				
100	75	101	216	20



### Engine Performance Data @ 1500 RPM

**Not Available at 1500 RPM**

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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.