



Generator Engine Performance Data

DONGFENG CUMMINS ENGINE Co.,LTD

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Basic Engine Model:

6BT5.9-GM100

FR92542

100kW @ 1800 RPM

Configuration

D402051MX02

CPL Code

CPL:3117

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

5.9 L

6

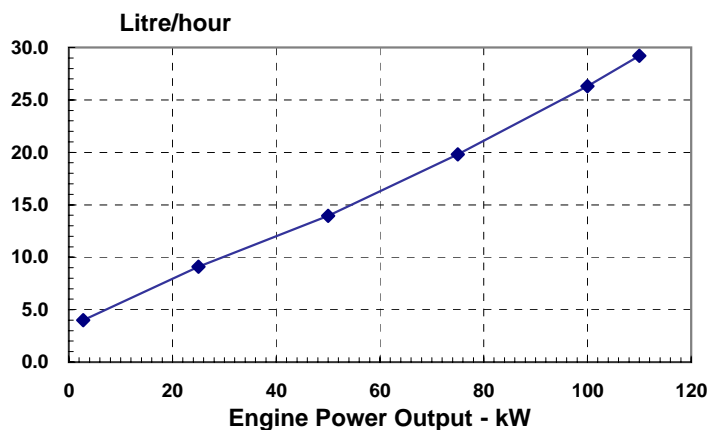
BYC PB/GAC 24V

All data is based on the engine operating with fuel system, water pump, and 10 in H₂O (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	110	147	100	134	75	101

Engine Performance Data @ 1800 RPM

OUTPUT POWER			FUEL CONSUMPTION	
%	kW	HP	g/kW.h	L/h
STANDBY POWER				
100	110	147	219	29
PRIME POWER				
100	100	134	217	26
75	75	101	218	20
50	50	67	230	14
25	25	34	300	9
CONTINUOUS POWER				
100	75	107	225	20



Engine Performance Data @ 1500 RPM

Not Available at 1500 RPM

Not Available at 1500 RPM

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.