



Generator Engine Performance Data

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Basic Engine Model:

6BT5.9-G1

FR91589
FR92489

FR91589 @ 1500 RPM
FR92489 @ 1500 RPM

Configuration

D402078GX02

CPL Code

CPL: 3219

Revision

2009-3-15

Compression Ratio: **17.3:1**
Bore: **102 mm**
Stroke: **120 mm**
Governor Regulation: **≤8%**

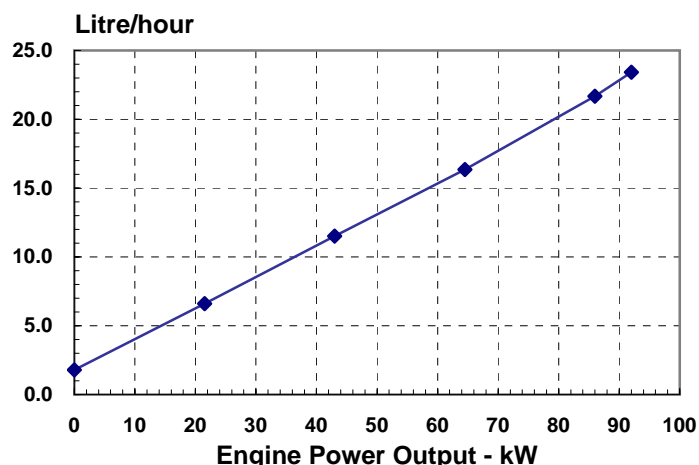
Aspiration: **Turbocharged**
Displacement: **5.9 L**
No. of Cylinders: **6**
Fuel System: **FR91589: WEIFU A/RSV Mechanical**
FR92489: BYC A/RSV Mechanical

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
1500	92	123	86	115	TBD	TBD

Engine Performance Data @ 1500 RPM

OUTPUT POWER			FUEL CONSUMPTION	
%	kW	HP	g/kW.h	L/h
STANDBY POWER				
100	92	123	210	23.4
PRIME POWER				
100	86	115	208	21.7
75	65	86	209	16.3
50	43	58	221	11.5
25	22	29	253	6.6
CONTINUOUS POWER				
TBD	TBD	TBD	TBD	TBD



Engine Performance Data @ 1800 RPM

Not Available at 1800 RPM

Not Available at 1800 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. The engine may be operated without changing the fuel setting up to 2200 m (7218ft.) altitude.