



Generator Engine Performance Data

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Basic Engine Model:

6LTAA8.9-G2

FR92516

FR92996

FR92516 @ 1500 RPM &1800RPM

FR92996 @ 1500 RPM &1800RPM

Configuration

D563015GX03

CPL Code

CPL: 3079

Revision

2009-4-15

Compression Ratio: **16.6:1**
Bore: **114 mm**
Stroke: **145 mm**
Emission Certification: **MEP STAGE II**
Governor Regulation: **≤3%**

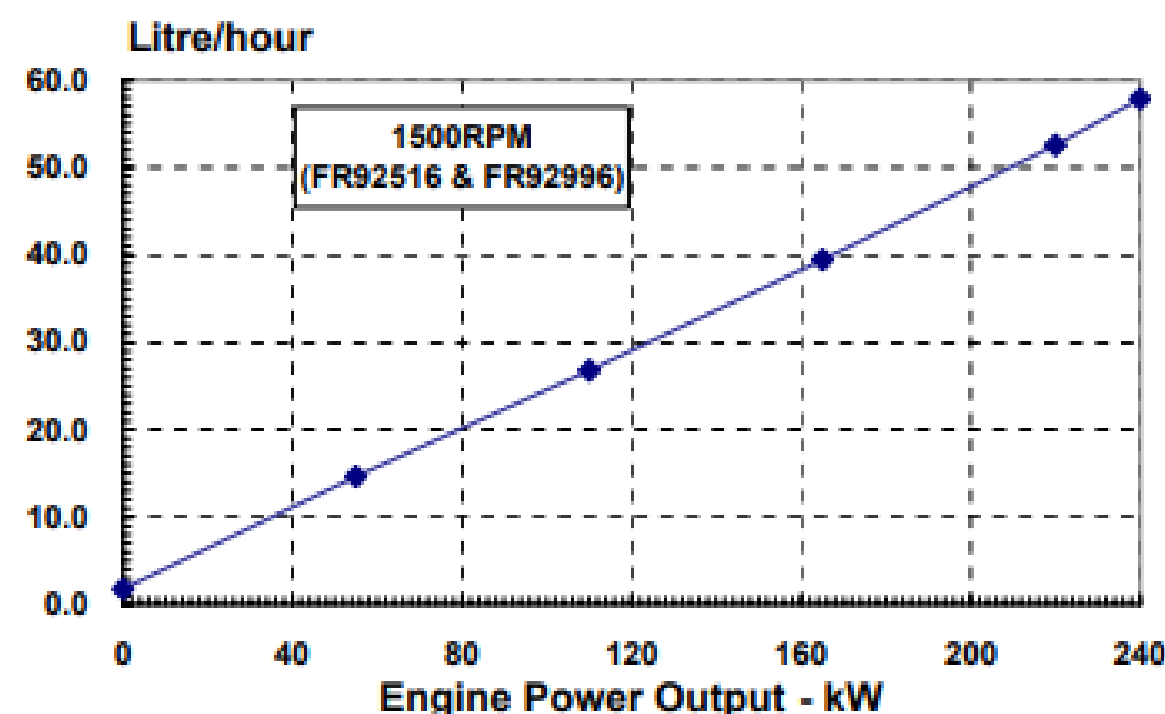
Aspiration: **Turbocharged and Charge Air Cooled**
Displacement: **8.9 L**
No. of Cylinders: **6**
Fuel System: **FR92516: BYC P7100/GAC**
FR92996: BYC P7100/SEGMA

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	240	322	220	295	180	241
1800	258	346	235	315	190	255

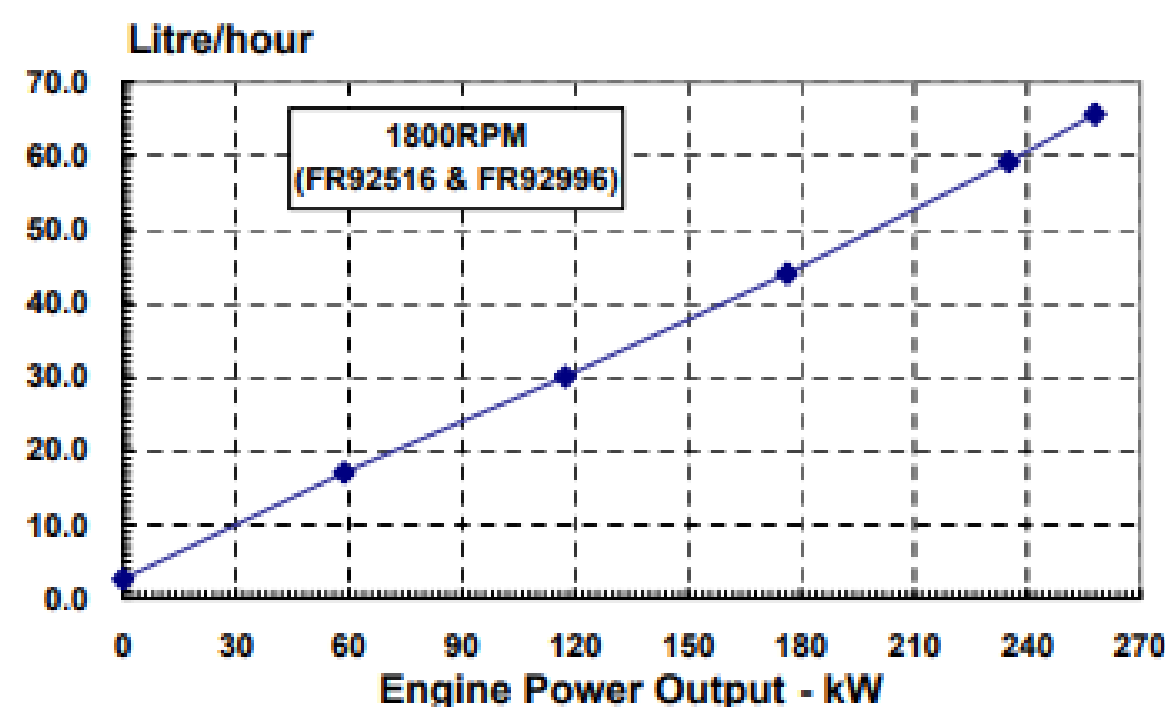
Engine Performance Data @ 1500 RPM

OUTPUT POWER			FUEL CONSUMPTION	
%	kW	HP	g/kW.h	L/h
STANDBY POWER				
100	240	322	199	58
PRIME POWER				
100	220	295	197	53
75	165	221	197	39
50	110	147	201	27
25	55	74	220	15
CONTINUOUS POWER				
100	180	241	196	43



Engine Performance Data @ 1800 RPM

OUTPUT POWER			FUEL CONSUMPTION	
%	kW	HP	g/kW.h	L/h
STANDBY POWER				
100	258	346	210	66
PRIME POWER				
100	235	315	208	59
75	176	236	206	44
50	118	157	211	30
25	59	79	240	17
CONTINUOUS POWER				
100	190	255	206	47



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.