



Generator Engine Performance Data

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Basic Engine Model:

4BT3.9-G2

FR92540

FR93763

FR92540 @ 1500 RPM &1800RPM

FR93763 @ 1500 RPM &1800RPM

Configuration

D382057GX02

CPL Code

CPL: 3115

Revision

2013/6/15

Compression Ratio: **18.0:1**
Bore: **102 mm**
Stroke: **120 mm**
Emission Certification:
Governor Regulation: **≤5%**

Aspiration: **Turbocharger**
Displacement: **3.9 L**
No. of Cylinders: **4**
Fuel System: **BYC A/Electronic Governor**

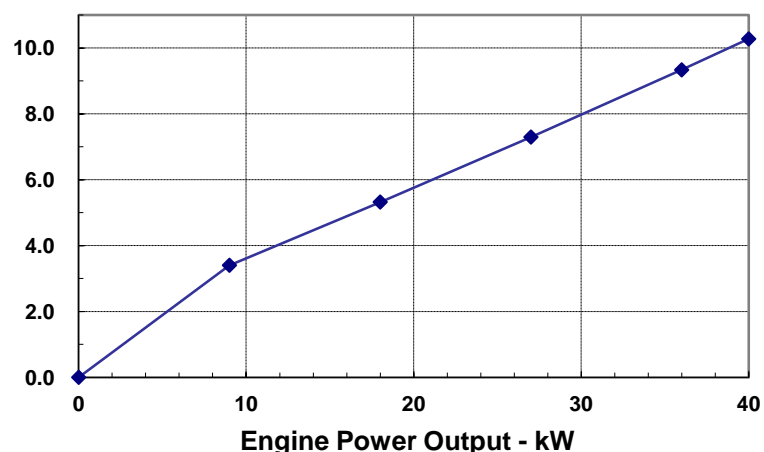
All data is based on the engine operating with fuel system, water pump, and 14.8 in H₂O (3.7 kPa) inlet air restriction with 5.98 in (152mm) inner diameter, and with 2.95 in Hg (10 kPa) exhaust restriction with 4.02 in (102 mm) inner diameter; not included are alternator, fan, optional equipment and 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	40	54	36	48		
1800	44	59	40	54		

Engine Performance Data @ 1500 RPM

OUTPUT POWER			FUEL CONSUMPTION	
%	kW	HP	g/kW.h	L/h
STANDBY POWER				
100	40	54	212	10.3
PRIME POWER				
100	36	48	214	9.3
75	27	36	223	7.3
50	18	24	244	5.3
25	9	12	312	3.4
CONTINUOUS POWER				

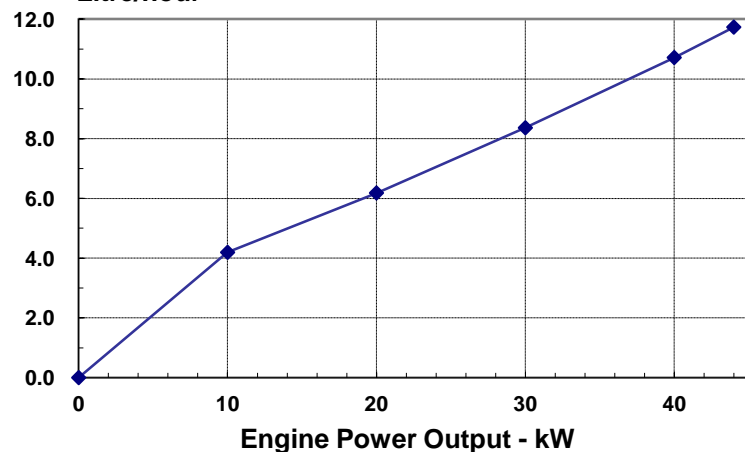
Litre/hour



Engine Performance Data @ 1800 RPM

OUTPUT POWER			FUEL CONSUMPTION	
%	kW	HP	g/kW.h	L/h
STANDBY POWER				
100	44	59	220	11.7
PRIME POWER				
100	40	54	221	10.7
75	30	40.5	230	8.4
50	20	27	255	6.2
25	10	13.5	346	4.2
CONTINUOUS POWER				

Litre/hour



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, 25°C (77°F) inlet air temperature, and 1 kPa (0.30 in. Hg) water vapor pressure with No.0 diesel fuel.