



Generator Engine Performance Data

DONGFENG CUMMINS ENGINE Co.,LTD

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Basic Engine Model:

4BTAA3.9-G3

FR97055

FR97055 @ 1500 RPM

Configuration
D383067GX02

CPL Code
CPL: 5622

Revision
2019/11/1

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

Aspiration: **Charge Air Cooled**
Displacement: **3.9 L**
No. of Cylinders: **4**
Fuel System: **WF PW/Electronic Governor**

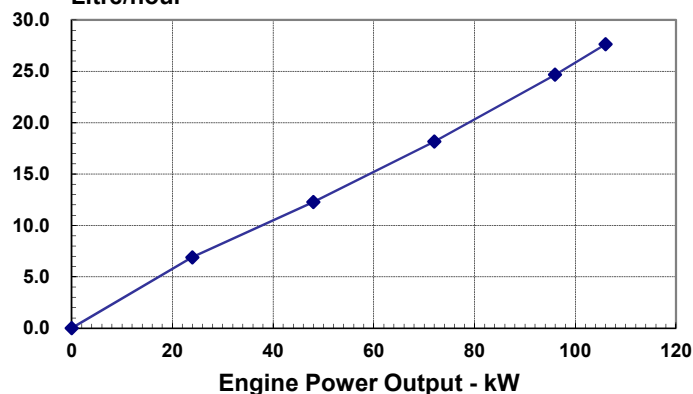
All data is based on the engine operating with fuel system, water pump, and 14.8 in H₂O (3.7 kPa) inlet air restriction with 5.98 in (152mm) inner diameter, and with 2.95 in Hg (10 kPa) exhaust restriction with 4.02 in (102 mm) inner diameter; not included are alternator, fan, optional equipment and 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	106	142	96	129		

Engine Performance Data @ 1500 RPM

OUTPUT POWER			FUEL CONSUMPTION	
%	kW	HP	g/kW.h	L/h
STANDBY POWER				
100	106	142	215	27.6
PRIME POWER				
100	96	129	212	24.7
75	72	98	208	18.2
50	48	65	211	12.3
25	24	32	237	6.9
CONTINUOUS POWER				

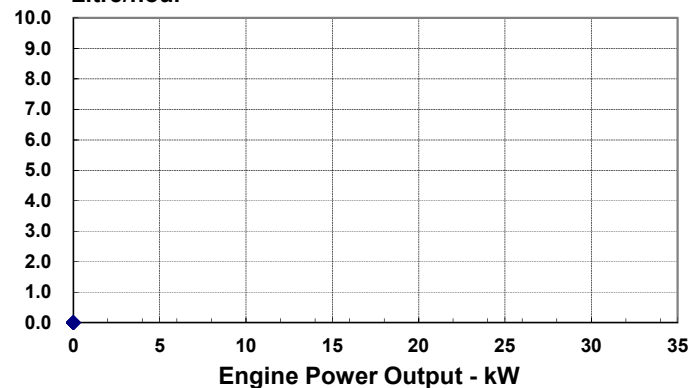
Litre/hour



Engine Performance Data @ 1800 RPM

OUTPUT POWER			FUEL CONSUMPTION	
%	kW	HP	g/kW.h	L/h
STANDBY POWER				
PRIME POWER				
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 [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.