



Generator Engine Performance Data

DONGFENG CUMMINS ENGINE Co.,LTD

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Basic Engine Model:

6BTA5.9-G2

FR93269

FR93269 @ 1500 RPM &1800RPM

Configuration
D403050DX02

CPL Code
CPL: 2697

Revision
2020/5/15

Compression Ratio: **17.3:1**
Bore: **102 mm**
Stroke: **120 mm**
Emission Certification:
Governor Regulation: **≤3%**

Aspiration: **Jacket Water Aftercooled**
Displacement: **5.9 L**
No. of Cylinders: **6**
Fuel System: **BYC PB/ ELECTRONIC GOVERNOR**

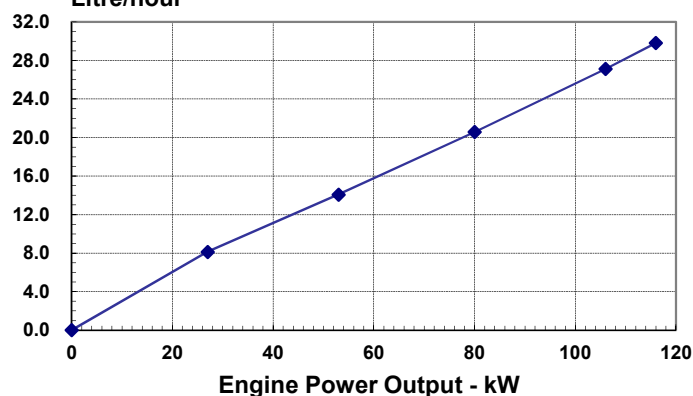
All data is based on the engine operating with fuel system, water pump, and 14.8 in H₂O (3.7 kPa) inlet air restriction with 5.98 in (152mm) inner diameter, and with 2.95 in Hg (10 kPa) exhaust restriction with 4.02 in (102 mm) inner diameter; not included are alternator, fan, optional equipment and 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	116	155	106	142	56	75
1800	132	177	120	161	TBD	TBD

Engine Performance Data @ 1500 RPM

OUTPUT POWER			FUEL CONSUMPTION	
%	kW	HP	g/kW.h	L/h
STANDBY POWER				
100	116	155	212	30.0
PRIME POWER				
100	106	142	211	27.0
75	80	107	212	20.0
50	53	71	219	14.0
25	27	36	248	8.0
CONTINUOUS POWER				
100	56	75	218	15

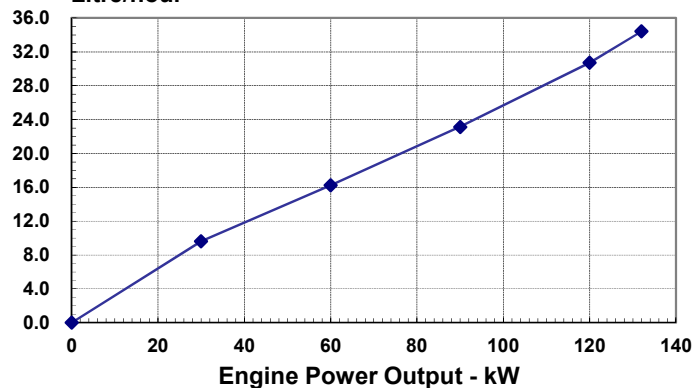
Litre/hour



Engine Performance Data @ 1800 RPM

OUTPUT POWER			FUEL CONSUMPTION	
%	kW	HP	g/kW.h	L/h
STANDBY POWER				
100	132	177	215	34.0
PRIME POWER				
100	120	161	211	31.0
75	90	121	212	23.0
50	60	80	223	16.0
25	30	40	264	10.0
CONTINUOUS POWER				
TBD	TBD	TBD	TBD	TBD

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.