



Generator Engine Performance Data

DONGFENG CUMMINS ENGINE Co.,LTD

Xiangfan, Hubei Province, China
<http://www.dcec.com.cn>

Basic Engine Model:

6BT5.9-G2

FR92830

FR92831

FR92832

FR92830 @ 1500 RPM &1800RPM

FR92831 @ 1500 RPM &1800RPM

FR92832 @ 1500 RPM &1800RPM

Configuration

D402078GX02

CPL Code

CPL: 3219

Revision

2020/5/15

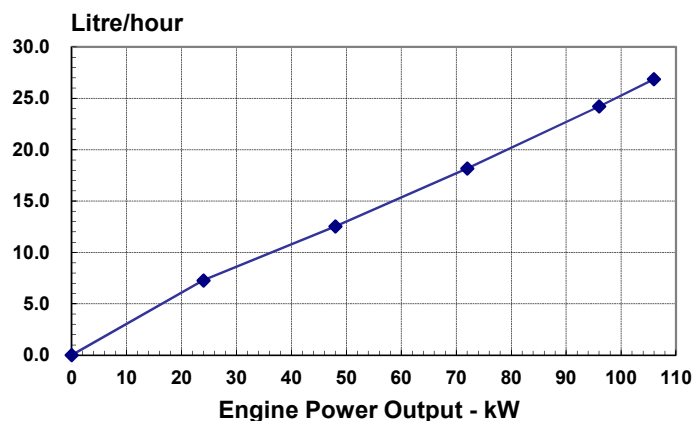
Compression Ratio:	17.3:1	Aspiration:	Turbocharger
Bore:	102 mm	Displacement:	5.9 L
Stroke:	120 mm	No. of Cylinders:	6
Emission Certification:		Fuel System:	FR92830:BYC PB/GAC 24V Electronic Gov
Governor Regulation:	≤3%		FR92831:BYC PB/GAC 12V Electronic Gov
			FR92832:BYC PB/FC Electronic Gov

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	TBD	TBD
1800	127	170	115	154	TBD	TBD

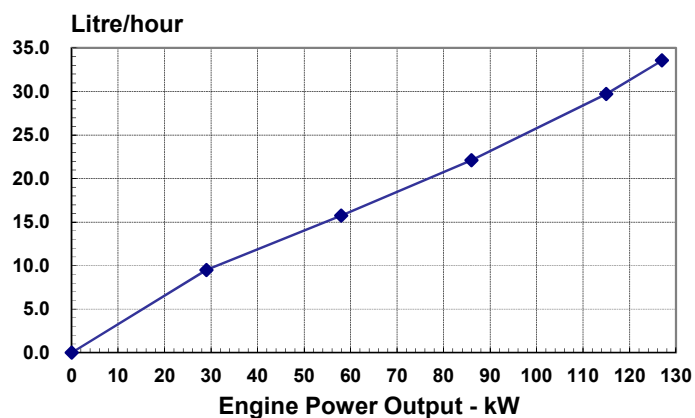
Engine Performance Data @ 1500 RPM

OUTPUT POWER			FUEL CONSUMPTION	
%	kW	HP	g/kW.h	L/h
STANDBY POWER				
100	106	142	209	26.9
PRIME POWER				
100	96	129	208	24.2
75	72	96	208	18.2
50	48	64	215	12.5
25	24	32	250	7.3
CONTINUOUS POWER				
TBD	TBD	TBD	TBD	TBD



Engine Performance Data @ 1800 RPM

OUTPUT POWER			FUEL CONSUMPTION	
%	kW	HP	g/kW.h	L/h
STANDBY POWER				
100	127	170	218	33.6
PRIME POWER				
100	115	154	213	29.7
75	86	116	212	22.2
50	58	77	224	15.6
25	29	39	270	9.4
CONTINUOUS POWER				
TBD	TBD	TBD	TBD	TBD



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.