



Generator Engine Performance Data

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Basic Engine Model:

6BTAA5.9-G2

FR93270

FR93270 @ 1500 RPM &1800RPM

Configuration
D403076GX03

CPL Code
CPL: 3289

Revision
2020/5/15

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

Aspiration: **Charge Air Cooled**
Displacement: **5.9 L**
No. of Cylinders: **6**
Fuel System: **BYC PB/ ELECTRONIC GOVERNOR**

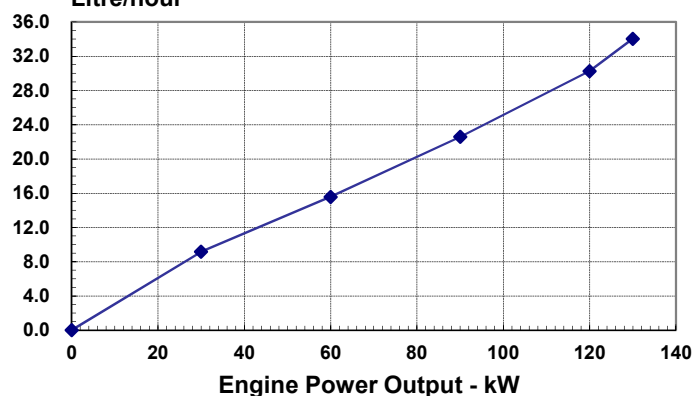
All data is based on the engine operating with fuel system, water pump, and 14.8 in H₂O (3.7 kPa) inlet air restriction with 5.98 in (152mm) inner diameter, and with 2.95 in Hg (10 kPa) exhaust restriction with 4.02 in (102 mm) inner diameter; not included are alternator, fan, optional equipment and 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	130	174	120	161	96	129
1800	145	194	132	177	TBD	TBD

Engine Performance Data @ 1500 RPM

OUTPUT POWER			FUEL CONSUMPTION	
%	kW	HP	g/kW.h	L/h
STANDBY POWER				
100	130	174	216	34.0
PRIME POWER				
100	120	161	208	30.0
75	90	121	207	23.0
50	60	80	214	16.0
25	30	40	252	9.0
CONTINUOUS POWER				
100	96	129	208	24

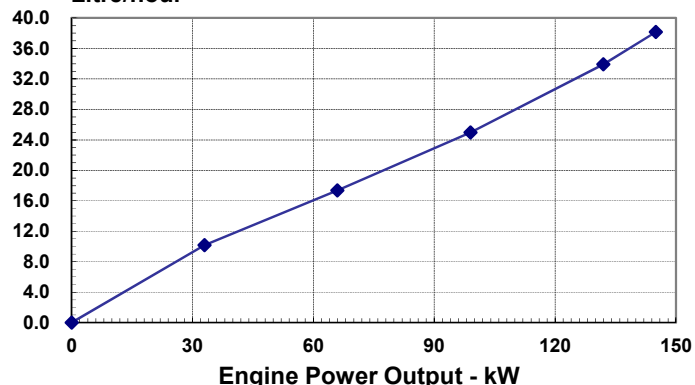
Litre/hour



Engine Performance Data @ 1800 RPM

OUTPUT POWER			FUEL CONSUMPTION	
%	kW	HP	g/kW.h	L/h
STANDBY POWER				
100	145	194	217	38.0
PRIME POWER				
100	132	177	212	34.0
75	99	133	208	25.0
50	66	88	217	17.0
25	33	44	254	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.