



Generator Engine Performance Data

DONGFENG CUMMINS ENGINE Co.,LTD

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Basic Engine Model:

4BTA3.9-G2

FR92541
FR92578
FR93145

FR92541 @ 1500 RPM &1800RPM
FR92578 @ 1500 RPM &1800RPM
FR93145 @ 1500 RPM &1800RPM

Configuration
D383030DX02

CPL Code
CPL: 3116

Revision
2013/6/15

Compression Ratio: **17.3:1**
Bore: **102 mm**
Stroke: **120 mm**
Emission Certification:
Governor Regulation: **≤5%**

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

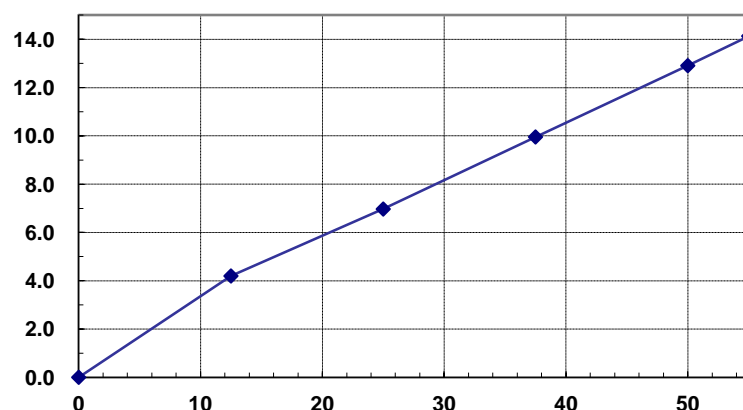
All data is based on the engine operating with fuel system, water pump, and 14.8 in H₂O (3.7 kPa) inlet air restriction with 5.98 in (152mm) inner diameter, and with 2.95 in Hg (10 kPa) exhaust restriction with 4.02 in (102 mm) inner diameter; not included are alternator, fan, optional equipment and 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	55	74	50	67		
1800	66	88	60	80		

Engine Performance Data @ 1500 RPM

OUTPUT POWER			FUEL CONSUMPTION	
%	kW	HP	g/kW.h	L/h
STANDBY POWER				
100	55	74	212	14.1
PRIME POWER				
100	50	67	213	12.9
75	37.5	50.25	219	10.0
50	25	33.5	230	7.0
25	12.5	16.75	277	4.2
CONTINUOUS POWER				

Litre/hour

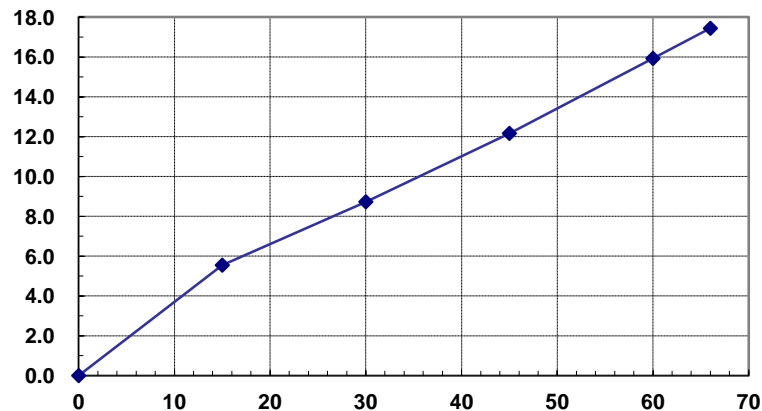


Engine Power Output - kW

Engine Performance Data @ 1800 RPM

OUTPUT POWER			FUEL CONSUMPTION	
%	kW	HP	g/kW.h	L/h
STANDBY POWER				
100	66	88	218	17.4
PRIME POWER				
100	60	80	219	15.9
75	45	60	223	12.2
50	30	40	240	8.7
25	15	20	305	5.5
CONTINUOUS POWER				

Litre/hour



Engine Power Output - kW

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.