



Generator Engine Performance Data
DONGFENG CUMMINS ENGINE Co.,LTD
Xiangfan, Hubei Province, China
<http://www.dcec.com.cn>

Basic Engine Model:
4BTA3.9-G11
FR94625

FR94625 @ 1500 RPM & 1800RPM

Configuration	CPL Code	Revision
D383030DX02	CPL: 4562	2014/5/20

Compression Ratio:	17.3:1	Aspiration:	Turbocharger & Aftercooler
Bore:	102 mm	Displacement:	3.9 L
Stroke:	120 mm	No. of Cylinders:	4
Emission Certification:		Fuel System:	BYC PB/Electronic Governor
Governor Regulation:	≤5%		

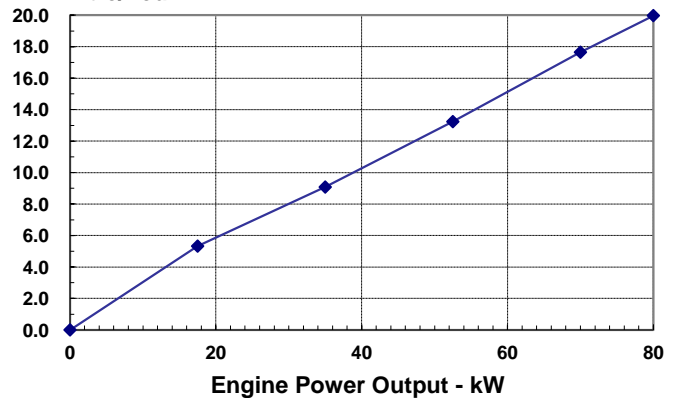
All data is based on the engine operating with fuel system, water pump, and 14.8 in H₂O (3.7 kPa) inlet air restriction with 5.98 in (152mm) inner diameter, and with 2.95 in Hg (10 kPa) exhaust restriction with 4.02 in (102 mm) inner diameter; not included are alternator, fan, optional equipment and 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	
	kW	HP	kW	HP	kW	HP
1500	80	107	70	93		
1800	90	120	80	107		

Engine Performance Data @ 1500 RPM

OUTPUT POWER			FUEL CONSUMPTION	
%	kW	HP	g/kW.h	L/h
STANDBY POWER				
100	80	107	206	20.0
PRIME POWER				
100	70	93	208	17.6
75	52.5	70	208	13.2
50	35	47	214	9.1
25	17.5	23	251	5.3
CONTINUOUS POWER				

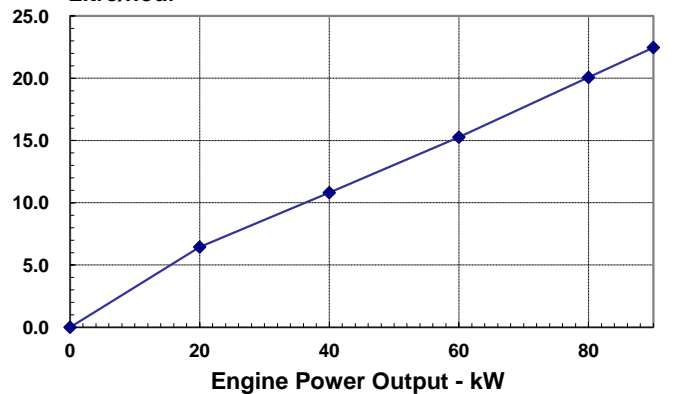
Litre/hour



Engine Performance Data @ 1800 RPM

OUTPUT POWER			FUEL CONSUMPTION	
%	kW	HP	g/kW.h	L/h
STANDBY POWER				
100	90	120	206	22.5
PRIME POWER				
100	80	107	207	20.1
75	60	80	210	15.3
50	40	53	223	10.8
25	20	27	266	6.4
CONTINUOUS POWER				

Litre/hour



Curves shown above represent gross engine performance capabilities obtained and corrected in accordance with GB/T18297 conditions of 99kPa (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.