



Generator Engine Performance Data

DONGFENG CUMMINS ENGINE Co.,LTD

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Basic Engine Model:

6CTA8.3-G2

FR91961

FR92995

FR91651

FR91961 @ 1500 RPM&1800RPM

FR92995 @ 1500 RPM&1800RPM

FR91651 @ 1500 RPM&1800RPM

Configuration

D413059GX03

CPL Code

CPL: 1786

Revision

2020/5/15

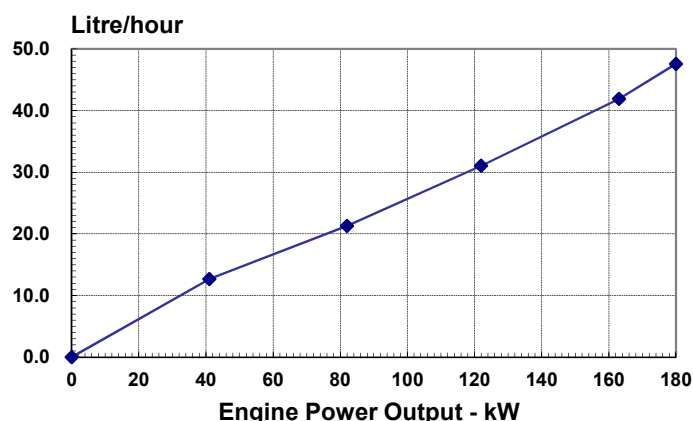
Compression Ratio:	17.3:1	Aspiration:	Jacket water Aftercooled
Bore:	114 mm	Displacement:	8.3 L
Stroke:	135 mm	No. of Cylinders:	6
Emission Certification:		Fuel System:	FR91961:BYC PB/GAC Electronic Gov
Governor Regulation:	≤3%		FR92995:BYC PB/SEGMA Electronic Gov
			FR91651:BYC PB/FC Electronic Gov

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	180	241	163	218	133	178
1800	187	251	170	228	TBD	TBD

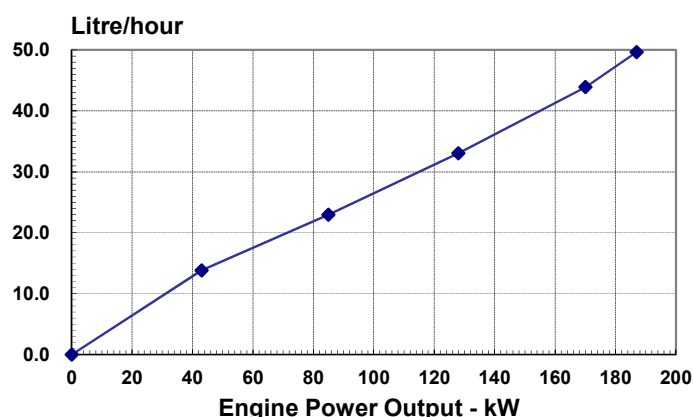
Engine Performance Data @ 1500 RPM

OUTPUT POWER			FUEL CONSUMPTION	
%	kW	HP	g/kW.h	L/h
STANDBY POWER				
100	180	241	218	48.0
PRIME POWER				
100	163	218	212	42.0
75	122	164	210	31.0
50	82	109	214	21.0
25	41	55	255	13.0
CONTINUOUS POWER				
100	133	178	211	34



Engine Performance Data @ 1800 RPM

OUTPUT POWER			FUEL CONSUMPTION	
%	kW	HP	g/kW.h	L/h
STANDBY POWER				
100	187	251	219	50.0
PRIME POWER				
100	170	228	213	44.0
75	128	171	213	33.0
50	85	114	223	23.0
25	43	57	265	14.0
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.