



Generator Engine Performance Data

Dongfeng Cummins Engine Co.,Ltd
Xiangyang, Hubei Province, China

Engine Model

6ZTAA13-G4

Curve Number

FR20692

CPL Code

3715

Compression Ratio: 17:1

Cylinders: 6

Bore: 130 mm

Stroke: 163 mm

Displacement: 13.0 L

Engine Configuration: D0C3006GX03

Fuel System: BYC PD/GAC

Aspiration: Turbocharged & Charge Air Cooled

Governor Regulation: ≤3%

Emission Certification: NA

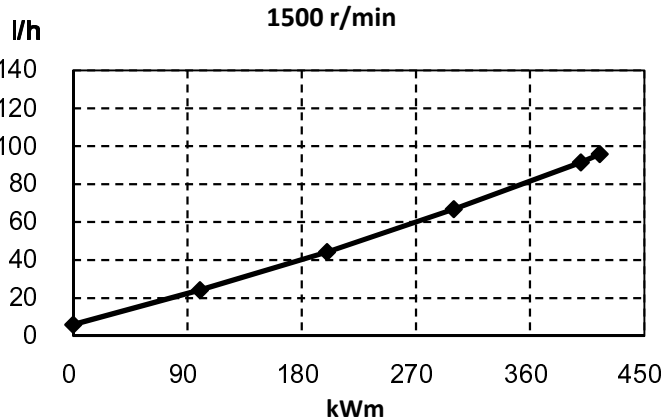
Engine Ratings*:

Engine Speed	Standby Power		Prime Power		Continuous Power	
r/min	bhp	kWm	bhp	kWm	bhp	kWm
1500	557	415	537	400	470	350
1800	557	415	537	400	470	350

* All ratings refer to AEB26.02.

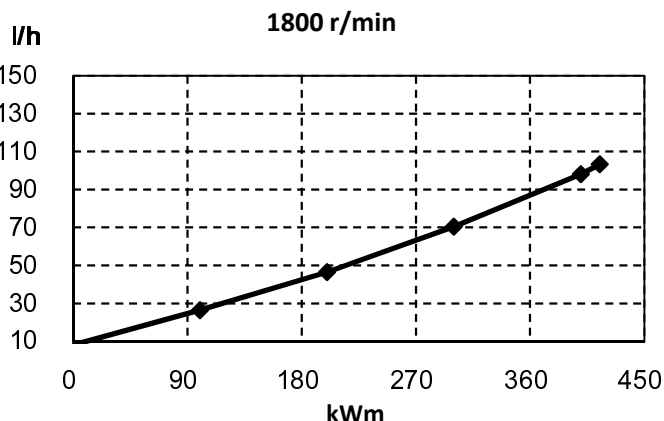
Engine Fuel Consumption @1500 r/min

OUTPUT POWER			FUEL CONSUMPTION			
%	bhp	kWm	lb/bhp.h	g/kWm.h	gal/h	l/h
Standby Power						
100	557	415	0.319	194	363	95.8
Prime Power						
100	537	400	0.316	192	347	91.4
75	403	300	0.308	187	253	66.8
50	268	200	0.306	186	168	44.3
25	134	100	0.334	203	92	24.2
Continuous Power						
100	470	350	0.311	189	298	78.8



Engine Fuel Consumption @1800 r/min

OUTPUT POWER			FUEL CONSUMPTION			
%	bhp	kWm	lb/bhp.h	g/kWm.h	gal/h	l/h
Standby Power						
100	557	415	0.344	209	391	103.3
Prime Power						
100	537	400	0.339	206	372	98.1
75	403	300	0.324	197	267	70.4
50	268	200	0.321	195	176	46.4
25	134	100	0.363	221	100	26.3
Continuous Power						
100	470	350	0.329	200	316	83.3



Curves shown above represent gross engine performance capabilities obtained and corrected in accordance with GB/T18297 conditions of 29.61 in Hg (100 kPa) barometric pressure [263 ft (80 m) altitude], 77 deg F (25 deg C) inlet air temperature, and 0.30 in Hg (1 kPa) water vapor pressure with No. 2 diesel fuel.

All data obtained is based on the engine operating, under the test conditions of 14.9 in H₂O (3.7kPa) inlet air restriction and 2.95 in Hg (10 kPa) exhaust restriction, not included are alternator, fan, optional equipment and driven components.

The engine may be operated up to 4500 m altitude.