



Generator Engine Performance Data

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

Engine Model

6ZTAA13-G3

Curve Number

FR20460

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 ELCTRONIC GOVERNOR

Aspiration: Turbocharged & Charge Air Cooled

Governor Regulation: ≤3%

Emission Certification:

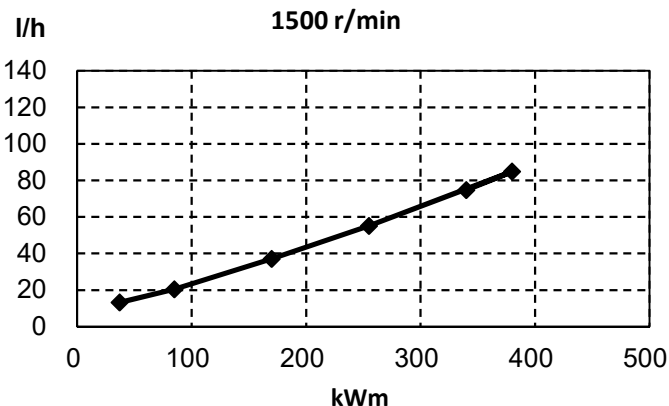
Engine Ratings*:

Engine Speed		Standby Power		Prime Power		Continuous Power	
r/min		bhp	kWm	bhp	kWm	bhp	kWm
1500		509	380	455	340	396	296
1800		509	380	455	340	396	296

* All ratings refer to AEB26.02.

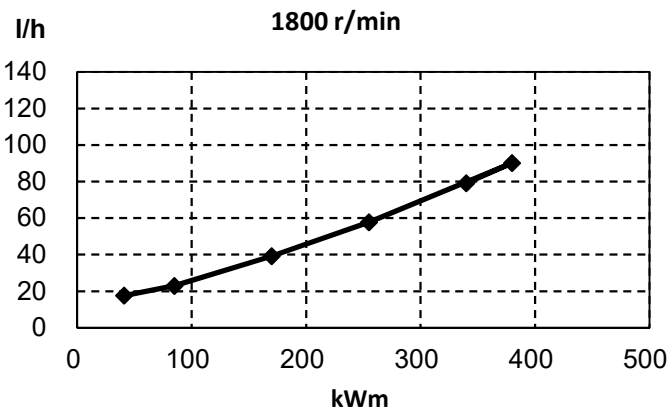
Engine Fuel Consumption @1500 r/min

OUTPUT POWER			FUEL CONSUMPTION			
%	bhp	kWm	Ib/bhp. h	g/kWm.h	gal/h	l/h
Standby Power						
100	509	380	0.316	192	22.4	84.8
Prime Power						
100	455	340	0.311	189	19.7	74.7
75	341	255	0.306	186	14.6	55.2
50	228	170	0.309	188	9.8	37.2
25	114	85	0.340	207	5.4	20.5
continuous Power						
100	396	296	0.308	187	17.0	64.4



Engine Fuel Consumption @1800 r/min

OUTPUT POWER			FUEL CONSUMPTION			
%	bhp	kWm	Ib/bhp. h	g/kWm.h	gal/h	l/h
Standby Power						
100	509	380	0.336	204	23.8	90.1
Prime Power						
100	455	340	0.329	200	20.9	79.1
75	341	255	0.321	195	15.3	57.8
50	228	170	0.326	198	10.3	39.1
25	114	85	0.382	232	6.1	22.9
continuous Power						
100	396	296	0.324	197	17.9	67.8



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 5200 m (17,060 ft.) altitude.