



Generator Engine Performance Data

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

Engine Model

QSZ13-G3

Curve Number

FR20322

CPL Code

3690

Compression Ratio: 17:1

Cylinders: 6

Bore: 130 mm

Stroke: 163 mm

Displacement: 13.0 L

Engine Configuration: D0C3004GX03

Fuel System: HPCR

Aspiration: Turbocharged & Charge Air Cooled

Governor Regulation: ≤1%

Emission Certification:

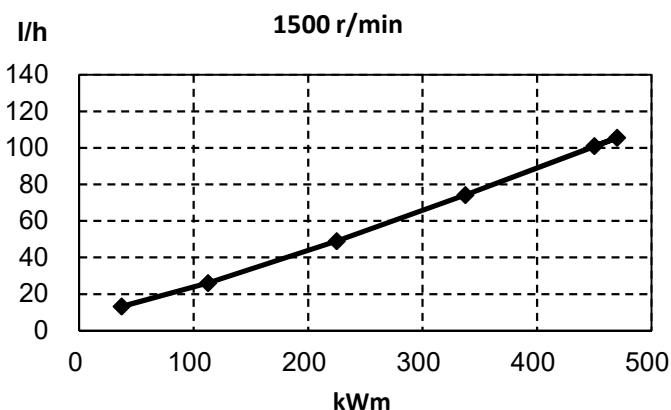
Engine Ratings*:

Engine Speed		Standby Power		Prime Power		Continuous Power	
r/min		bhp	kWm	bhp	kWm	bhp	kWm
1500		629	470	603	450	529	395
1800		670	500	603	450	529	395

* All ratings refer to AEB26.02.

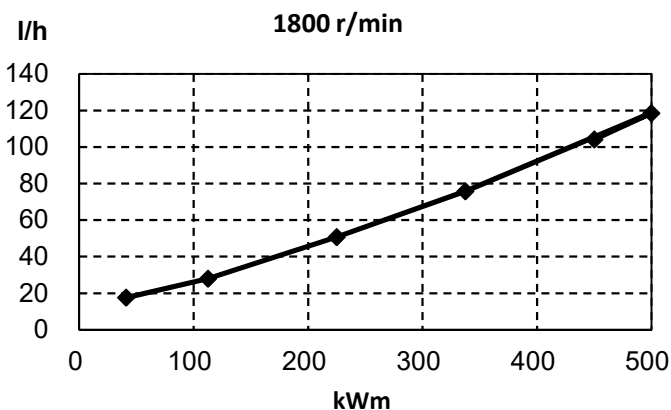
Engine Fuel Consumption @1500 r/min

OUTPUT POWER			FUEL CONSUMPTION			
%	bhp	kWm	Ib/bhp. h	g/kWm.h	gal/h	l/h
Standby Power						
100	629	470	0.317	193	27.8	105.5
Prime Power						
100	603	450	0.317	193	26.6	101.0
75	452	338	0.311	189	19.6	74.2
50	301	225	0.308	187	12.9	48.9
25	151	113	0.327	199	6.9	26.0
continuous Power						
100	529	395	0.314	191	23.1	87.7



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	670	500	0.336	204	31.3	118.6
Prime Power						
100	603	450	0.327	199	27.5	104.1
75	452	338	0.317	193	20.0	75.7
50	301	225	0.319	194	13.4	50.8
25	151	113	0.352	214	7.4	28.0
continuous Power						
100	529	395	0.319	194	23.5	89.1



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.