



Generator Engine Performance Data

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

Engine Model

QSZ13-G5

Curve Number

FR20378

CPL Code

3837

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: EU Stage II

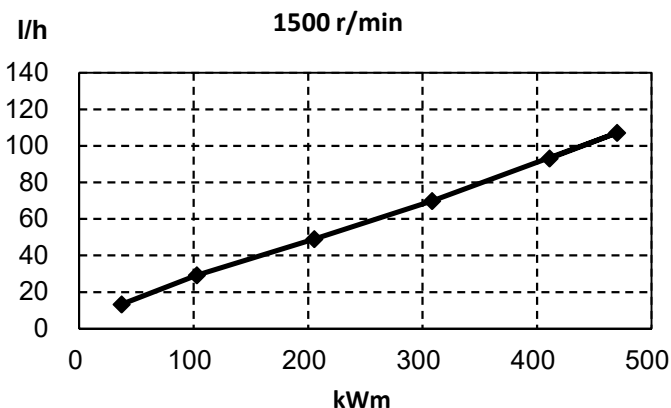
Engine Ratings*:

Engine Speed		Standby Power		Prime Power		Continuous Power	
r/min		bhp	kWm	bhp	kWm	bhp	kWm
1500		629	470	550	411	495	370
1800		670	500	585	437	526	393

* All ratings refer to AEB26.02.

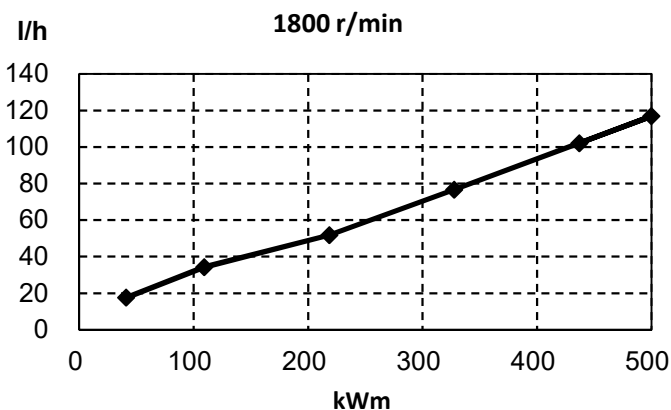
Engine Fuel Consumption @1500 r/min

OUTPUT POWER			FUEL CONSUMPTION			
%	bhp	kWm	Ib/bhp. h	g/kWm.h	gal/h	l/h
Standby Power						
100	629	470	0.322	196	28.3	107.1
Prime Power						
100	550	411	0.321	195	24.6	93.2
75	413	308	0.321	195	18.4	69.9
50	275	206	0.337	205	12.9	49.0
25	138	103	0.401	244	7.7	29.2
continuous Power						
100	495	370	0.321	195	22.1	83.9



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	0.331	201	30.8	116.9
Prime Power						
100	585	437	0.331	201	26.9	102.1
75	439	328	0.331	201	20.2	76.6
50	293	219	0.336	204	13.7	51.8
25	146	109	0.444	270	9.0	34.3
continuous Power						
100	526	393	0.331	201	24.2	91.9



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.