» Generator set data sheet

Model: C2000 D5E
Frequency: 50
Fuel Type: Diesel

Spec sheet:	**SS17-CPGK**
Noise data sheet (Open/enclosed):	**ND50-OSHHP/ND50-CSHHP**
Airflow data sheet:	**AF50-HHP**
Derate data sheet (Open/enclosed):	**DD50-OSHHP/DD50-CSHHP**
Transient data sheet:	**RTF**

Fuel consumption

	Standby				Prime			
	kVA (kW)				kVA (kW)			
Ratings	2000 (1600)				1825 (1460)			
Load	1/4	1/2	3/4	Full	1/4	1/2	3/4	Full
gph	RTF	RTF	RTF	102.6	28.8	49.2	71.0	94.9
L/hr	RTF	RTF	RTF	467.0	131.0	224.0	323.0	432.0

Engine

	Standby Rating	Prime Rating
Engine manufacturer	Cummins	
Engine model	QSK60-GS3	
Configuration	Cast Iron, 60° V16 Cylinder	
Aspiration	Turbo Charged and Low Temperature After-Cooled	
Gross engine power output, kWm	1835	1620
BMEP at set rated load, kPa	2434	2193
Bore, mm	159	
Stroke, mm	190	
Rated speed, rpm	1500	
Piston speed, m/s	9.5	
Compression ratio	16.2:1	
Lube oil capacity, L	231-261	
Overspeed limit, rpm	1850 ±50	
Regenerative power, kW	146	
Governor type	Electronic	
Starting voltage	24V Volts DC	

Fuel flow

Maximum fuel flow, L/hr	1630
Maximum fuel inlet restriction, mm Hg	120
Maximum fuel inlet temperature (°C)	70

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Air	Standby Rating	Prime Rating
Combustion air, m^3/min	148.00	146.10
Maximum air cleaner restriction, kPa	6.2	

Exhaust		
Exhaust gas flow at set rated load, m^3/min	361.5	347.7
Exhaust gas temperature, °C	465	445
Maximum exhaust back pressure, kPa	6.8	

Standard set-mounted radiator cooling		
Ambient design, °C	40	
Fan load, KW_m	33	
Coolant capacity (with radiator), L	RTF	
Cooling system air flow, m3/sec @ 12.7mmH2O	40	
Total heat rejection, BTU/min	59670	56725
Maximum cooling air flow static restriction mmH2O	0.12	

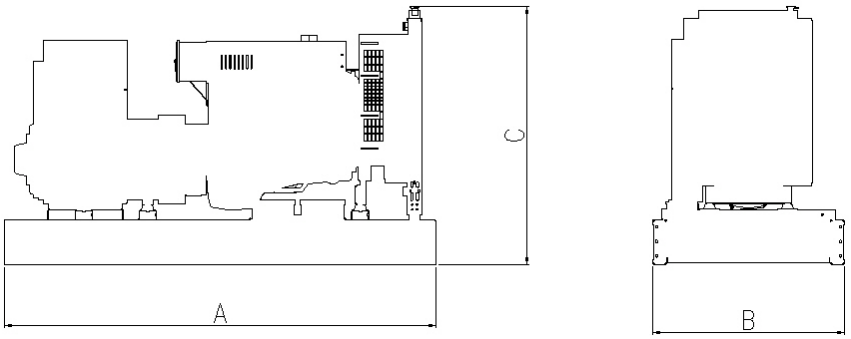
Weights*	Open	Enclosed
Unit dry weight kgs	15808	N/A
Unit wet weight kgs	16472	N/A

* Weights represent a set with standard features. See outline drawing for weights of other configurations

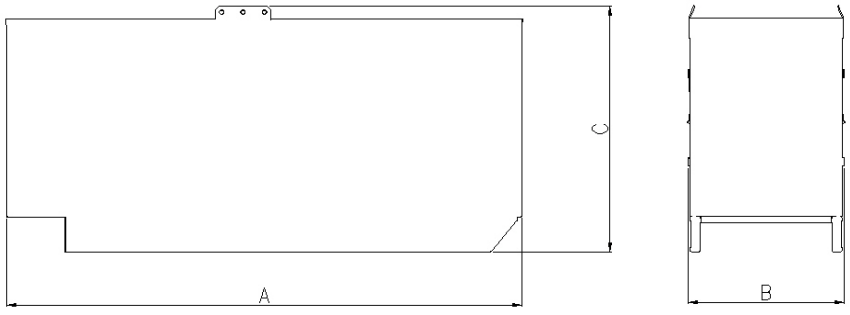
Dimensions	Length	Width	Height
Standard open set dimensions	6175.1	2494	3422
Enclosed set standard dimensions	N/A	N/A	N/A

Genset outline

Open set



Enclosed set



Outlines are for illustrative purposes only. Please refer to the genset outline drawing for an exact representation of this model.

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Alternator data

Connection[1]	Temp rise °C	Duty[2]	Alternator	Voltage
RTF	RTF	RTF	RTF	RTF

Ratings definitions

Emergency Standby Power (ESP)	Limited-Time running Power (LTP):	Prime Power (PRP)	Base Load (Continuous) Power (COP)
Applicable for supplying power to varying electrical load for the duration of power interruption of a reliable utility source. Emergency Standby Power (ESP) is in accordance with ISO 8528. Fuel Stop power in accordance with ISO 3046, AS 2789, DIN 6271 and BS 5514.	Applicable for supplying power to a constant electrical load for limited hours. Limited Time Running Power (LTP) is in accordance with ISO 8528.	Applicable for supplying power to varying electrical load for unlimited hours. Prime Power (PRP) is in accordance with ISO 8528. Ten percent overload capability is available in accordance with ISO 3046, AS 2789, DIN 6271 and BS 5514.	Applicable for supplying power continuously to a constant electrical load for unlimited hours. Continuous Power (COP) in accordance with ISO 8528, ISO 3046, AS 2789, DIN 6271 and BS 5514.

Formulas for calculating full load currents:

Three phase output

$$\frac{kW \times 1000}{Voltage \times 1.73 \times 0.8}$$

Single phase output

$$\frac{kW \times SinglePhaseFactor \times 1000}{Voltage}$$

See your distributor for more information.

Cummins Power Generation

Manston Park, Columbus Avenue

Manston, Ramsgate

Kent CT12 5BF, UK

Telephone: +44 (0) 1843 255000

Fax: +44 (0) 1843 255902

E-Mail: cpg.uk@cummins.com

Web: www.cumminspower.com

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