Model: C2200 D5E
Frequency: 50
Fuel Type: Diesel

» Generator set data sheet

Our energy working for you.™

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	2200 (1760)				2000 (1600)			
Load	**1/4**	**1/2**	**3/4**	**Full**	**1/4**	**1/2**	**3/4**	**Full**
gph	32.3	53.9	77.0	102.6	28.8	49.2	71.0	94.9
L/hr	147	245	350	467	131	224	323	432

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

Air		
Combustion air, m^3/min	148.00	146.00
Maximum air cleaner restriction, kPa	6.2	

Exhaust	Standby rating	Prime rating
Exhaust gas flow at set rated load, m^3/min	361	347
Exhaust gas temperature, °C	465	445
Maximum exhaust back pressure, kPa	6.7	

Standard set-mounted radiator cooling		
Ambient design, °C	50	
Fan load, KW_m	RTF	
Coolant capacity (with radiator), L	RTF	
Cooling system air flow, m3/sec @ 12.7mmH2O	RTF	
Total heat rejection, BTU/min	5967	56725
Maximum cooling air flow static restriction mmH2O	0.12	

Open set derating factors kVA (kW)

Note: Standard open genset options running at 400V, 150m above sea level. For enclosed product derates, please refer to datasheet - DD50-CSHHP.

	27°C	40°C	45°C	50°C	55°C
Standby	2200 (1760)	RTF	RTF	RTF	RTF
Prime	2000 (1600)	RTF	RTF	RTF	RTF

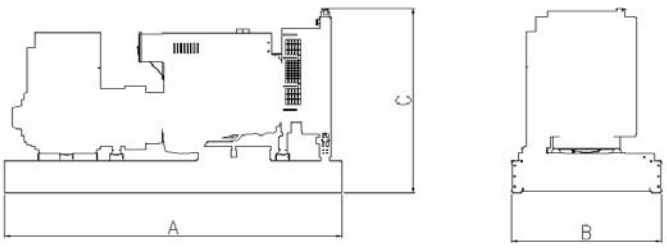
Weights*	Open	Enclosed
Unit dry weight kgs	15808	N/A
Unit wet weight kgs	16472	N/A

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

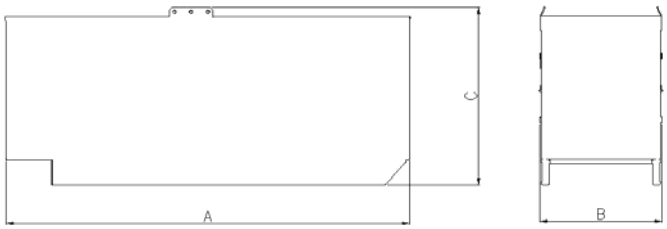
Dimensions	Length	Width	Height
Standard open set dimensions	6175.1	2494	3422
Enclosed set standard dimensions	N/A	N/A	N/A

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.

Power Generation

Alternator data

Feature code	Connection[1]	Temp rise degrees C	Duty[2]	Alternator	Voltage
B575	Wye, 3 Phase	125/105C	S/P	HVSI804R1	6600V
B672	Wye, 3 Phase	150/125C	S/P	LVP7G	400-440V
B675	Wye, 3 Phase	125C	P	MVSI804R1	1905/3300V

Ratings definitions

Emergency Standby Power (ESP)	Limited-Time running Power	Prime Power (PRP):	Base Load (Continuous) Power
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

$$\frac{\text{kWx1000}}{\text{Voltagex1. 73x0.8}}$$

Single phase output

$$\frac{\text{kWxSingleP haseFactor x1000}}{\text{Voltage}}$$

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

Power Generation