



Generator set data sheet

Model: C330 D5
 Frequency: 50
 Fuel type: Diesel

Spec sheet:	SS29-CPGK
Noise data sheet (open/enclosed):	ND500S / MSP-2023
Airflow data sheet:	AF50-550

Fuel consumption	Standby				Prime			
	kVA (kW)				kVA (kW)			
Ratings	330 (264)				300 (240)			
Load	1/4	1/2	3/4	Full	1/4	1/2	3/4	Full
gph	4.4	7.9	12.1	16.5	3.7	6.8	10.1	13.8
L/hr	20.0	36.0	55.0	75.0	17.0	31.0	46.0	63.0

Engine	Standby Rating	Prime Rating
Engine manufacturer	Cummins	
Engine model	QSL9-G5	
Configuration	4 cycle; in-line; 6 cylinder diesel	
Aspiration	Turbo charged and charge air cooled	
Gross engine power output, kWm	310	268
BMEP at set rated load, kPa	2785	2413
Bore, mm	114	
Stroke, mm	145	
Rated speed, rpm	1500	
Piston speed, m/s	7.2	
Compression ratio	16.8:1	
Lube oil capacity, L	26.5	
Overspeed limit, rpm	1800 ±50	
Regenerative power, kW	47	
Governor type	Electronic	
Starting voltage	24 Volts DC	

Fuel flow

Maximum fuel flow, L/hr	165
Maximum fuel inlet restriction, mm Hg	203
Maximum fuel inlet temperature, °C	70

Air	Standby Rating	Prime Rating
Combustion air, m ³ /min	20.30	18.70
Maximum air cleaner restriction, kPa	6.2	

Exhaust

Exhaust gas flow at set rated load, m ³ /min	53.0	44.9
Exhaust gas temperature, °C	560	500
Maximum exhaust back pressure, kPa	10.2	

Standard set-mounted radiator cooling

Ambient design, °C	50	
Fan load, kW _m	10	
Coolant capacity (with radiator), L	15	
Cooling system air flow, m ³ /sec @ 12.7 mmH ₂ O	7.93	
Total heat rejection, Btu/min	10190	8415
Maximum cooling air flow static restriction mm H ₂ O	19.1	

Weights*

	Open	Enclosed
Unit dry weight kgs	2346	4095
Unit wet weight kgs	2570	4734

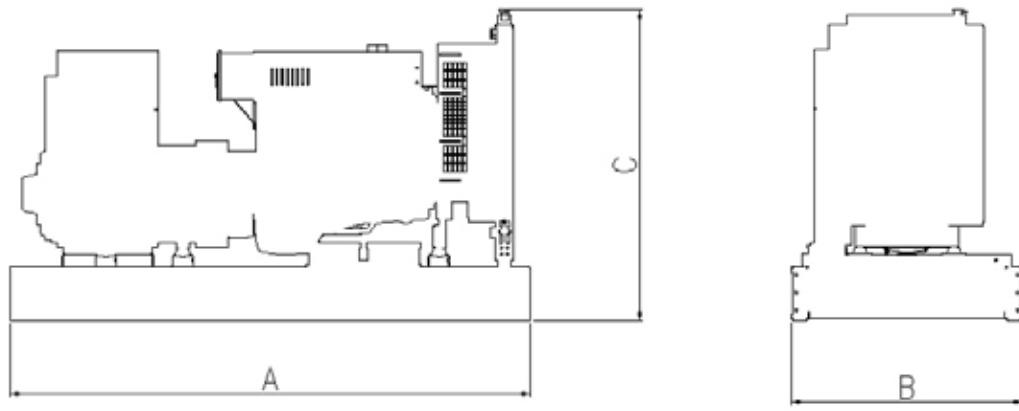
* Weights represent a set with standard features. See outline drawing for weights of other configurations.

Dimensions

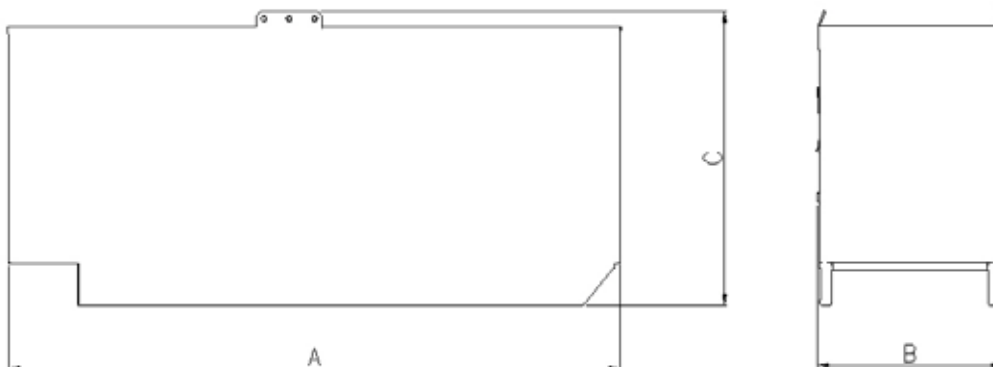
	Length	Width	Height
Standard open set dimensions mm	3135	1100	1928
Enclosed set standard dimensions mm	4254	1424	2215

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.

Alternator data

Connection	Temp rise °C	Duty	Alternator	Voltage
Wye 3-phase	163.125	S/P	HC4D	380-415V
Wye 3-phase	125/105	S/P	HC4E	380-440V

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) is in accordance with ISO 8528, ISO 3046, AS 2789, DIN 6271 and BS 5514.

Formulas for calculating full load currents:

Three phase output

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

Single phase output

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

See your distributor for more information.

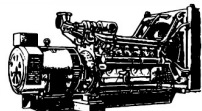
Cummins Power Generation
 Manston Park, Columbus Avenue
 Manston, Ramsgate
 Kent CT12 5BF, UK
 Telephone: +44 (0) 1843 255000
 Fax +44 (0) 1843 255902
 E-mail: cpg.uk@cummins.com
 Web: www.cumminspower.com



©2015 | Cummins Power Generation Inc. | All rights reserved | Specifications subject to change without notice | Cummins Power Generation and Cummins are registered trademarks of Cummins Inc. PowerCommand and "Our energy working for you." are trademarks of Cummins Power Generation. Other company, product, or service names may be trademarks or service marks of others. DS24e-CPGK (6/15)

PROUDLY 100% AUSTRALIAN OWNED

**MACFARLANE
GENERATORS**



ESTABLISHED 1949

VICTORIA (HEAD OFFICE) REC: 691
 136 Fairbank Road, Clayton South, VIC 3169 Ph: 03 9544 4222 Fax: 03 9543 7138

NEW SOUTH WALES BRANCH REC: 261624C
 1 St. James Place, Seven Hills, NSW 2147 Ph: 02 9899 6699 Fax: 02 9899 8048

QUEENSLAND BRANCH REC: 72635
 31 South Pine Road, Brendale, QLD 4500 Ph: 07 3205 6333 Fax: 07 3205 6344

PO Box 5176, Clayton, VIC 3168 www.macfarlanegenerators.com.au info@macgen.com
 Macfarlane Generators PTY. LTD. ACN 006 849 074 ABN 74 006 849 074

SALES | SERVICE | SPARES | HIRE | NEW | USED