

Generator Set Data Sheet	Model: C330D5
	Frequency: 50
	Fuel Type: Diesel

Exhaust Emission Data Sheet:	RTF
Emissions Compliance Sheet:	RTF
Measured Sound Performance Data Sheet:	RTF
Measured Cooling Performance Data Sheet:	RTF
Prototype Test Summary Data Sheet:	RTF

Fuel Consumption	Standby kW (kVA)				Prime kW (kVA)				Continuous kW (kVA)
	Ratings	264 (330)				240 (300)			
Load	1/4	1/2	3/4	Full	1/4	1/2	3/4	Full	Full
US gph	5.3	9.7	14.4	19.8	4.5	8.2	12.1	16.6	N/A
L/hr	20	37	55	75	17	31	46	63	N/A

Engine	Standby Rating	Prime Rating	Continuous Rating
Engine Manufacturer	Cummins		
Engine Model	QSL9 G5		
Configuration	4 Cycle; In-line; 6 Cylinder Diesel		
Aspiration	Turbo Charged		
Gross Engine Power Output, kWm	310	268	N/A
BMEP at Set Rated Load, kPa	2785	2413	N/A
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		
Fuel Flow			
Maximum Fuel Flow, L/hr	165		
Maximum Fuel Inlet Restriction, mm Hg	152		
Maximum Fuel Inlet Temperature (°C)	70		
Air			
Combustion Air, m ³ /min	340	310	N/A
Maximum Air Cleaner Restriction, kPa	6.2		
Alternator Cooling Air, m ³ /min	RTF		
Exhaust			
Exhaust Gas Flow at Set Rated Load, m ³ /min	31.2	29.4	N/A
Exhaust Gas Temperature, °C	560	500	N/A
Maximum Exhaust Back Pressure, kPa	76		

Standard Set-Mounted Radiator Cooling	Standby Rating	Prime Rating	Continuous Rating
Ambient Design, °C	50		
Fan Load, KW _m	10		
Coolant Capacity (with Radiator), L	28.6		
Cooling System Air Flow, m ³ /min	7.93		
Total Heat Rejection, MJ/min	233	13.9	11.8
Maximum Cooling Air Flow Static Restriction, kPa	0.1225		

Weights*	
Unit Dry Weight kgs	2422
Unit Wet Weight kgs	2987

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

Derating Factors (Kw, kVA)					
Note: Standard genset options running at 400V, 150m above sea level.					
	27°C	40°C	45°C	50°C	55°C
Standby	264	256	248	240	233
Prime	240	233	226	218	206
Continuous	N/A	N/A	N/A	N/A	N/A

Ratings Definitions		
Standby:	Prime (Unlimited Running Time):	Base Load (Continuous):
Applicable for supplying emergency power for the duration of normal power interruption. No sustained overload capability is available for this rating. This rating is applicable to installations served by a reliable normal utility source. This rating is only applicable to variable loads with an average load factor of 80 percent of the standby rating for a maximum of 200 hours of operation per year and a maximum of 25 hours per year at 100% of its standby rating. The standby rating is only applicable to emergency and standby applications where the generator set serves as the back up to the normal utility source. No sustained utility parallel operation is permitted with this rating. (Equivalent to Fuel Stop Power in accordance with ISO3046, AS2789, DIN6271 and BS5514). Nominally Rated.	Applicable for supplying power in lieu of commercially purchased power. Prime power is the maximum power available at a variable load for an unlimited number of hours. A 10% overload capability is available for limited time. (Equivalent to Prime Power in accordance with ISO8528 and Overload Power in accordance with ISO3046, AS2789, DIN6271, and BS5514). This rating is not applicable to all generator set models.	Applicable for supplying power continuously to a constant load up to the full output rating for unlimited hours. No sustained overload capability is available for this rating. Consult authorized distributor for rating. (Equivalent to Continuous Power in accordance with ISO8528, ISO3046, AS2789, DIN6271, and BS5514). This rating is not applicable to all generator set models.

Alternator Data

Voltage	Connection ¹	Temp Rise Degrees C	Duty ²	Winding No.	Feature Code
380-415V	WYE	163/125	S/P	311	B681
380-440V	WYE	125/105	S/P	311	B726

Notes:

- Limited single phase capability is available from some three phase rated configurations. To obtain single phase rating, multiply the three phase kW rating by the Single Phase Factor³. All single phase ratings are at unity power factor.
- Standby (S), Prime (P) and (C) Continuous ratings.
- Factor for the *Single Phase Output from Three Phase Alternator* formula listed below
- Maximum rated starting kVA that results in a minimum of 90% of rated sustained voltage during starting.

Formulas for calculating full load currents:

Three Phase Output	Single Phase Output
$\frac{kW \times 1000}{Voltage \times 1.73 \times 0.8}$	$\frac{kW \times \text{SinglePhaseFactor} \times 1000}{Voltage}$



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](mailto:cpg.uk@cummins.com)
[Web: www.cumminspower.com](http://www.cumminspower.com)

Cummins and PowerCommand are registered trademarks of Cummins Inc. AmpSentry is a trademark of Cummins Inc.
Important: Back feed to a utility system can cause electrocution and/or property damage. Do not connect to any building's electrical system except through an approved device or after building main switch is open.