

4BT3.3-G3

Emissions Compliance: EU Stage II at 50 Hz Unregulated Emissions at 60Hz



> Specification sheet

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Description

The B3.3 has all the strength and reliability the genset industry has come to expect from the B Series range but in a smaller, lighter and more economical package. The B3.3 features direct fuel injection, resulting in cleaner, quieter and more fuel efficient performance. With a highly compact 4 cylinder envelope and extremely low heatrejection, the engine offers a high degree of installation



This engine has been built to comply with CE certification.



This engine has been designed in facilities certified to ISO9001 and manufactured in facilities certified to ISO9001 or ISO9002.

Features

Bosch-Zexel VE - Direct injection in-line pump for cleaner, more efficient fuel consumption.

Parent Bore Block - Deep, stiff crankcase and optimised rib arrangement to enhance strength and reduce noise.

12 volt electrics package as standard, with starter, alternator and fuel solenoid.

Minimal derate for high altitude or high ambient applications.

Shallow oil pan and single spin-on oil filter.

SAE '4' flywheel housing.

Coolpac Integrated Design - Products are supplied complete with cooling package and air cleaner kit for a complete power package. Each component has been specifically developed and rigorously tested for G-Drive products, ensuring high performance, durability and reliability.

Service and Support - G-Drive products are backed by an uncompromising level of technical support and after sales service, delivered through a world class service network.

1500 rpm (50 Hz Ratings)

Gross Engine Output			Net Engine Output		Typical Generator Set Output						
Standby	Prime	Base	Base Standby Prime Base		Standby (ESP) Prime (F		(PRP)	P) Base (COP)			
kWm/BHP			kWm/BHP		kWe	kVA	kWe	kVA	kWe	kVA	
51/68	46/62	37/50	50/67	46/61	36/48	44	55	40	50	32	40

1800 rpm (60 Hz Ratings)

Gross Engine Output			Net Engine Output		Typical Generator Set Output						
Standby Prime Base Sta		Standby	Prime	Base	Standby (ESP)		Prime (PRP)		Base (COP)		
kWm/BHP				kWm/BHP		kWe	kVA	kWe	kVA	kWe	kVA
60/80	54/72	43/58	59/79	53/71	42/56	50	63	45	56	36	45

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🔳 نشانی: تهران,بلوار آفریقا (جردن), نرسیده به الهیه , نبش خیابان طاهری تلفن:۱۱-۲۹۲۲۲۲۲(۲۰۰)

ا برج مشکی، طبقه ۶، واحد ۵

س تلفن:۹-۸۰۳۵۹۲۸(۲۱)

فكس: ١٢٥٢٢٣٢(٢١٠)



General Engine Data

Туре	4 cycle, in-line, turbocharged
Bore mm	95 mm (3.74 in.)
Stroke mm	115 mm (4.53 in.)
Displacement Litre	3.3 litre (199 in. ³)
Cylinder Block	Cast iron, 4 cylinder
Battery Charging Alternator	45 amps
Starting Voltage	12 volt, negative ground
Fuel System	Direct injection
Fuel Filter	Spin-on fuel filters with water separator
Lube Oil Filter Type(s)	Spin-on full flow filter
Lube Oil Capacity (I)	7.5
Flywheel Dimensions	4/11

Coolpac Performance Data

Cooling System Design	Jacket Water				
Coolant Ratio	50% ethylene glycol; 50% water				
Coolant Capacity (I)	9.1				
	50Hz (1500rpm)	60Hz (1800rpm)			
Limiting Ambient Temp (°C)**	40	50			
Fan Power (kWm)**	0.7	1.2			
Cooling System Air Flow (m3/s)**	1.18	1.6			
Air Cleaner Type	Dry replaceable element with restriction indicator				
** @ 13 mm H ² 0					

Coolpac Weight & Dimensions

	Length	Width	Height	Weight (dry)
	mm	mm	mm	kg
Г	1069	625	870	299

Fuel Consumption 1500 (50 Hz)

%	kWm	BHP	L/ph	US gal/ph				
Standby Power								
100	51	68	13	3.4				
Prime Power								
100	46	62	11	3.0				

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Cummins G-Drive Engines

Asia Pacific 10 Toh Guan Road #07-01 TT International Tradepark Singapore 608838 Phone 65 6417 2388 Fax 65 6417 2399

Europe, CIS, Middle East and Africa Manston Park Columbus Ave Manston Ramsgate Kent CT12 5BF. UK Phone 44 1843 255000 Fax 44 1843 255902

Latin America Rua Jati, 310, Cumbica Guarulhos, SP 07180-900 Phone 55 11 2186 4552 Fax 55 11 2186 4729

Mexico Cummins S. de R.L. de C.V. Eie 122 No. 200 Zona Industrial San Luis Potosi, S.L.P. 78090 Mexico Phone 52 444 870 6700 Fax 52 444 870 6811

North America 1400 73rd Avenue N.E. Minneapolis, MN 55432 Phone 1 763 574 5000 USA Toll-free 1 877 769 7669 Fax 1 763 574 5298

Ratings Definitions

Emergency Standby Power (ESP):

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.

Limited-Time Running Power (LTP):

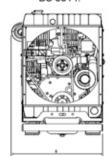
Applicable for supplying power to a constant electrical load for limited hours. Limited-Time Running Power (LTP) is in accordance with ISO 8528.

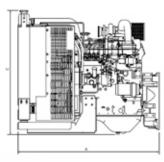
Prime Power (PRP):

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.

Base Load (Continuous) Power (COP):

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, DIN6271 and BS 5514.





Fuel Consumption 1800 (60 Hz)

% kWm		BHP	L/ph	US gal/ph				
Standby Power								
100	60	60 80		40				
Prime Pow	Prime Power							
100	54	72	13	3.5				

نشانی: تهران, بلوار آفریقا (جردن), نرسیده به الهیه, نبش خیابان طاهری

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🔳 برج مشکی ، طبقه ۶ ، واحد ۵

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تلفن:٩-٨-٣٥٩٠٢(٢١٠)

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