



DGH 5000 BC Plus


BC Plus · Portable Range



Ideal for...



 Weight **with wheels:**
76,4 kg

 Dimensions **with wheels:**
L: 856 mm
W: 696 mm
H: 652 mm

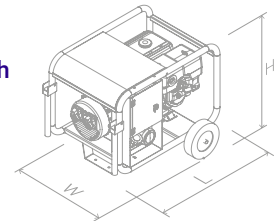


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 Unleaded gasoline

 EU Stage V

 Air-cooled

 Moving chassis

 CE Conformity

1. General technical data

General technical data	Engine	HONDA GX 270
	Alternator	LINZ SP10M F
	Frequency	50Hz
	Voltage	230V
	Work regime (rpm)	3000
	Power factor (cos φ)	1
	Tank (l)	15
	Type of start-up	Manual
Capacity ¹ (m.p. cos φ 1)	PRP (kVA / kW)	4,1 / 4,1

¹PRP: Continuous power ("Prime Power") according to ISO8528-1.

Directives and Regulations

ENVIRONMENTAL CONDITIONS STANDARD ISO 8528-1:2018: 25°C, 100kPa and 30% relative humidity:

- **Prime Power (PRP):** Data on electrical power available at variable load without limit of hours per year. An overload of 10% is allowed for 1h out of 12. According to ISO 8528-1:2018.
- **Emergency Standby Power (ESP):** Data on electrical capacity available at variable load in case of emergency according to ISO 8528-1:2018.

The DAGARTECH Generator Set has EC labelling which includes the following directives:

- **2006/42/EC.** Machine Safety Directive.
- **EN ISO 8528-13:2016. Part 13: Safety.** Alternating current generator sets powered by reciprocating internal combustion engines.
- **2014/30/EU. Electromagnetic Compatibility Directive.**
- **2000/14/EC². Noise Emissions Directive.** Sound power levels evaluated in accordance with the procedure laid down in the directive.
- **Directive 2011/65/EU** on the restriction of the use of certain hazardous substances in electrical and electronic equipment (RoHS 2).



A range designed to give you maximum autonomy with less noise, in a very compact design

Ideal for use in industry, construction and machinery renters

What does the BC Plus range offer you compared to our BC range?



WITH LARGE CAPACITY FUEL TANK

To guarantee an autonomy of up to 8 hours of operation.



-30dB (A) RESIDENTIAL EXHAUST

Significant noise reduction.

And everything that our BC range includes...



IP67 ELECTRIC PANEL

equipped with IP67 power sockets, differential, magnetothermic protection per socket, circuit breaker and hour meter.



Cumplying EU STAGE V Emissions



CE CERTIFICATE

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Plus...

Our BC Plus range includes as standard an **upper protection plate and a Transport Kit** which includes anti-puncture wheels, support and levers, to facilitate transport and handling.



Do you have any doubts regarding the scope of supply of these new generators? Do you need advice?

Get in contact with us. We will solve all your doubts.

Send us an email info@dagartech.com

Call us +34 976 141 655

2. Engine specifications

2.1. General technical data of the engine	Make and model	HONDA GX 270			
	r.p.m.	3000			
	Continuous power - 3000 rpm (kW)	3,7			
	Net power - 3600 rpm (kW)	4,1			
	Fuel	Unleaded gasoline			
	No. of cylinders	1 cylinder			
	Cylinder capacity (c.c.)	270			
	Compression ratio	8,2:1			
	Maximum torque (Nm)	17,7 (2500 r.p.m.)			
	Cooling system	Air-cooled			
Start-up	Manual				
2.2. Fuel	Type of fuel	Unleaded gasoline			
	Tank capacity (l)	15			
2.3. Consumption and autonomy	Consumption (l/h)		Autonomy (h)		
		PRP	ESP	PRP	ESP
	75%	1,3	-	11,5	-
	100%	1,7	-	8,8	-
	2.4. Lubrication system	Total oil capacity (l)	1,1		
Oil type		15W40			

- **4-Stroke Gasoline Engine.**
Air cooling.



Emissions compliance
EU Stage V

3. Alternator specifications

3.1. General technical data for the alternator	Make and model	LINZ SP10M F		
	No. of poles	2		
	Insulation class	H		
	Mechanical protection index	IP23		
	Voltage regulator	Compound		
	Power PRP 40°C (kVA)	4,2		
	No. of phases	1		
	Power factor (cos φ)	1		

- **Brushless 2-pole alternator.** No maintenance required.
- **Winding protection** by impregnation with tropicalised epoxy resin.

Standard regulations that the alternator meets:

Directives: 2006/42, 2006/95, 2004/108 and amendments thereto. Complies with: EN 60034-1, CEI 2-3, IEC34-1, VDE 0530, BS 4999-5000, N.F. 51,111.

4. Alternator power sockets configuration

Model	IP67	EEC IP67	EEC IP67
	Schuko	2P+T 32A	3P+N+T 16A
DGH 5000 BC Plus	2	-	-
DGH 6000 BC Plus	1	1	-
DGH 9000 BC Plus	1	1	-
DGH 6 TF BC Plus	1	-	1
DGH 9 TF BC Plus	1	-	1



5. Standard scope of supply of the BC Plus range

- Gasoline engine HONDA GX 270 3,000 rpm 4-stroke.
- IP23 alternator adapted to generator standards.
- High capacity metal fuel tank (15 litres).
- Steel chassis with anti-vibration dampers.
- Upper protection plate.
- -30dB(A) residential exhaust.
- IP55 electrical panel with IP67 bases with protection door incorporated in chassis.
- Transport kit: Includes solid anti-puncture wheels with axle, support and handles.
- Supply without engine lubricating oil.
- Engine oil protection.
- Fuel stopcock.
- Thermal protection.

The electrical panel is adapted to the ICT-BT-33 construction standard.

The metal door for additional protection of the electrical elements gives it robustness and reliability for the most adverse working conditions.

It includes:

- Internal protection window - electrical appliances.
- Individual and differential magnetothermic protection.
- Hour meter.



Do you have any queries about this generator's scope of supply? Do you need advice?

Get in touch with us. We'll answer all your questions.

6. Available options

Do you need to include some options in this generator's standard equipment to make it the perfect generator for you? Below are the options available for our BC **Plus** Portable range.



Alternator with AVR

Your generator will be equipped **with the original manufacturer's voltage regulation system.**

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