



DGH 6 TF BC


BC Portable Range



Ideal for...



 **Weight with wheels:**
84,2 kg

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

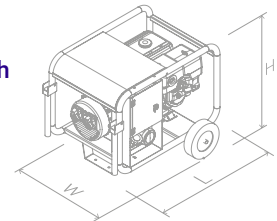


Image for orientation purposes. Dagartech reserves the right to modify the data in this technical sheet without prior notice.



Unleaded gasoline



EU Stage V



Air-cooled



Moving chassis



CE Conformity

1. General technical data

General technical data	Engine	HONDA GX 270
	Alternator	LINZ E1S10M H
	Frequency	50Hz
	Voltage	400/230V
	Work regime (rpm)	3000
	Power factor (cos φ)	0,8
	Tank (l)	5,3
	Type of start-up	Manual
Capacity ¹ (m.p. cos φ 0,8)	PRP (kVA / kW)	6 / 4,8

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).

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)	5,3			
2.3. Consumption and autonomy	Consumption (l/h)		Autonomy (h)		
	PRP	ESP	PRP	ESP	
	75%	1,3	-	4,1	-
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 E1S10M H			
	No. of poles	2			
	Insulation class	H			
	Mechanical protection index	IP23			
	Voltage regulator	Compound			
	Power PRP 40°C (kVA)	7			
	No. of phases	3			
	Power factor (cos φ)	0,8			

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.

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

4. Alternator output power sockets configuration

Reference	IP67	CEE IP67	CEE IP67
	Schuko	2P+T 32A	3P+N+T 16A
DGH 5000 BC	2	-	-
DGH 6000 BC	1	1	-
DGB 9000 BC	1	1	-
DGH 9000 BC	1	1	-
DGH 6 TF BC	1	-	1
DGB 9 TF BC	1	-	1
DGH 9 TF BC	1	-	1



5. Standard scope of supply of the BC range

- Gasoline engine HONDA GX 270 3,000 rpm 4-stroke.
- IP23 alternator adapted to generator standards.
- Metal fuel tank of 5,3 litres capacity.
- Steel chassis with anti-vibration dampers.
- Upper protection plate.
- 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 magnetothermal 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 Portable range.



Alternator with AVR

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