

# DGH 6 TF BC

Portable BC Range



⚡ POWER (PRP):  
**6 kVA / 4,8 kW**

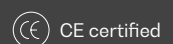
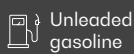
📡 FREQUENCY  
**50Hz**

⚡ VOLTAGE  
**400/230V**

📏 WEIGHT WITH WHEELS:  
**84,2kg**

📏 DIMENSIONS WITH WHEELS:  
**L: 863 mm**  
**W: 696 mm**  
**H: 661 mm**

Image for orientation purposes. Transport kit is included in the standard scope of delivery. Dagartech reserves the right to modify the data in this technical sheet without prior notice.



## 1. General technical data

### General technical data

<b>Engine</b>	<b>HONDA GX270</b>
<b>Alternator</b>	<b>LINZ E1S10M H</b>
Frequency	50Hz
Voltage	400/230V
Work regime (rpm)	3000
Type of regulation	mechanical
Power factor (cos φ)	0,8
Tank (l)	15
Type of start-up	Manual

### Powers<sup>1</sup> (p.f. cos φ 0,8)

<b>PRP (kVA / kW)</b>	<b>6 / 4,8</b>
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<sup>1</sup>PRP: Prime Power according to ISO8528-1.

The transport kit is included in the standard scope of supply of this equipment.

### 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 bears the CE marking which includes the following directives:

- **2006/42/EC.** Machine Safety Directive.
- **EN ISO 8528-13:2016.** Part 13: Safety. Alternating current generators powered by reciprocating internal combustion engines.
- **2014/30/EU.** Electromagnetic Compatibility Directive.
- **2000/14/EC.** 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<sup>2</sup>).

V1-2024. Last update: 10/05/2024. Dagartech reserves the right to modify the data in this technical sheet without prior notice.

400/230V - 50Hz (3000 rpm)

HONDA GX270 | LINZ E1S10M H

### 2.1. General technical data of the engine

Make and model	HONDA GX270
r.p.m.	3000
Continuous power - 3,000 rpm (kWm)	N/A
Max. net power - 3600 rpm (kWm)	6,3*
Type of regulation	mechanical
Fuel	Unleaded gasoline
No. of cylinders	1
Cylinder capacity (c.c.)	270
Compression ratio	8,2:1
Maximum torque (Nm)	19,1 (2500 r.p.m.)
Cooling system	Air-cooled
Start-up Method	Manual


 4-STROKE-STROKE  
 PETROL ENGINE. AIR-  
 COOLED.


\* Gross power data for VANGUARD and BRIGGS-STRATTON engines.

### 2.2. Fuel

Type of fuel	Unleaded gasoline
Tank capacity	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

Oil capacity (l)	1,1
Oil consumption (L/H)	N/A

## 3. Alternator specifications

### 3.1. General technical data of 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. 51111.

#### 2-pole

**alternator, Compound.**

No maintenance required.

**Winding protection** by impregnation with tropicalised epoxy resin.

## 5. Standard scope of supply for the BC range and available options

### STANDARD SCOPE OF DELIVERY

HONDA GX270 Manual starter engine	☑
Alternator LINZ E1S10M H · Compound	☑
Original HONDA metal fuel tank	☑
Compact electro-welded steel frame with anti-vibration dampers	☑
Top protective metal plate	☑
IP55 electrical panel with IP67 power sockets and built-in protective door on the chassis	☑
<i>The electrical panel complies with the ICT-BT-33 construction standard</i>	
<i>The additional metal protective door provides robustness and reliability for the most adverse working conditions. It includes:</i>	
<ul style="list-style-type: none"> <li>· Inner protective window (for electrical devices).</li> <li>· Individual and differential circuit breaker protection.</li> <li>· Hour meter.</li> </ul>	
Transport kit (includes solid puncture-proof wheels, handles, and stand).	☑
Supply without engine lubrication oil	☑
Engine oil protection	☑
Fuel stopcock	☑
Alternator thermal protection	☑

### AVAILABLE OPTIONS

<b>Kit 2.</b> Alternator with AVR	☐
<i>Check the availability of this option based on the model.</i>	
<b>Kit 3.</b> Electric start	☐
<i>Includes 12V battery. Check availability of this option based on the model.</i>	

### POWER SOCKETS CONFIGURATION

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

**Caption**

☑ Included
☐ Optional
✗ Not available
ℹ Consult



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