EU STAGE V EMISSIONS

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.

Unleaded gasoline | EU Stage V | Air-cooled | Moving chassis | CE certified

1. General technical data

General technical data

Engine	HONDA GX270
Alternator	**LINZ E1S10M H**
Frequency	50Hz
Voltage	400/230V
Work regime (rpm)	3000
Type of regulation	Mechanical
Power factor (cos φ)	0,8
Tank (l)	5,3
Type of start-up	Manual

Powers[1] (p.f. cos φ 0,8)

PRP (kVA / kW)	**6 / 4,8**

[1]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[2]).

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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.

EU STAGE V EMISSIONS

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

2.2. Fuel

Type of fuel	Unleaded gasoline
Tank capacity	5,3

2.3. Consumption and autonomy

	Consumption (l/h)		Autonomy (h)	
	PRP	ESP	PRP	ESP
75%	1,3	-	4,1	-
100%	1,7	-	3,1	-

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.

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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	✓
The electrical panel complies with the ICT-BT-33 construction standard *The additional metal protective door provides robustness and reliability for the most adverse working conditions. It includes:* • *Inner protective window (for electrical devices).* • *Individual and differential circuit breaker protection.* • *Hour meter.*	
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	
Kit 2. Alternator with AVR *Check the availability of this option based on the model.*	⊡
Kit 3. Electric start *Includes 12V battery. Check availability of this option based on the model.*	⊡

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 ⓘ Consult

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