



# DGH 5000 B

## Portable Basic Range



POWER (PRP):  
4,1 kVA / 4,1 kW

FREQUENCY  
50Hz

VOLTAGE  
230V

WEIGHT WITHOUT WHEELS:  
55kg

DIMENSIONS WITHOUT WHEELS:  
L: 770 mm  
W: 540 mm  
H: 530 mm

Image for orientation purposes. Transport kit not 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

Static frame

CE certified

## 1. General technical data

### General technical data

|                                 |              |  |
|---------------------------------|--------------|--|
| Engine                          | HONDA GX270  |  |
| Alternator                      | LINZ SP10M F |  |
| Frequency                       | 50Hz         |  |
| Voltage                         | 230V         |  |
| Work regime (rpm)               | 3000         |  |
| Type of regulation              | Mechanical   |  |
| Power factor ( $\cos \varphi$ ) | 1            |  |
| Tank (l)                        | 5,3          |  |
| Type of start-up                | Manual       |  |

### Powers<sup>1</sup> (p.f. $\cos \varphi$ 1)

PRP (kVA / kW) **4,1 / 4,1**

The transport kit is an option not included in the standard scope of supply of this equipment.

<sup>1</sup>PRP: 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 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>).

230V · 50Hz (3000 rpm)

HONDA GX270 | LINZ SP10M F

**2.1.**  
**General technical data of the engine**

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


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

**2.2. Fuel**

|                      |                          |
|----------------------|--------------------------|
| <b>Type of fuel</b>  | <b>Unleaded gasoline</b> |
| <b>Tank capacity</b> | <b>5,3</b>               |

**2.3. Consumption and autonomy**

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

**2.4. Lubrication system**

|                              |            |
|------------------------------|------------|
| <b>Oil capacity (l)</b>      | <b>1,1</b> |
| <b>Oil consumption (L/H)</b> | <b>N/A</b> |

### 3. Alternator specifications

**3.1. General technical data of the alternator**

|   |                     |
|---|---------------------|
| <b>Make and model</b>                           | <b>LINZ SP10M F</b> |
| <b>No. of poles</b>                             | <b>2</b>            |
| <b>Insulation class</b>                         | <b>H</b>            |
| <b>Mechanical protection index</b>              | <b>IP23</b>         |
| <b>Voltage regulator</b>                        | <b>Compound</b>     |
| <b>Power PRP 40°C (kVA)</b>                     | <b>4,2</b>          |
| <b>No. of phases</b>                            | <b>1</b>            |
| <b>Power factor (<math>\cos \varphi</math>)</b> | <b>1</b>            |


**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. 5111.


**2-pole alternator, Compound.**  
 No maintenance required.

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

230V · 50Hz (3000 rpm)

HONDA GX270 | LINZ SP10M F

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

### STANDARD SCOPE OF DELIVERY

|  |                                     |
|--|-------------------------------------|
| HONDA GX270 Manual starter engine                              | <input checked="" type="checkbox"/> |
| Alternator LINZ SP10M F · Compound                             | <input checked="" type="checkbox"/> |
| Original HONDA metal fuel tank                                 | <input checked="" type="checkbox"/> |
| Compact electro-welded steel frame with anti-vibration dampers | <input checked="" type="checkbox"/> |
| Supply without engine lubrication oil                          | <input checked="" type="checkbox"/> |
| Engine oil protection  | <input checked="" type="checkbox"/> |
| Fuel stopcock  | <input checked="" type="checkbox"/> |
| Alternator thermal protection                                  | <input checked="" type="checkbox"/> |

### AVAILABLE OPTIONS

#### Kit 1. Transport

Includes solid puncture-proof wheels, handles, and stand.

|   |   |
|---|---|
|  | WEIGHT WITHOUT WHEELS:<br><b>60,5kg</b>                             |
|  | DIMENSIONS WITHOUT WHEELS:<br>L: 807,5 mm<br>W: 696 mm<br>H: 649 mm |

#### 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.

#### Kit 4. IP67 power sockets

Check the availability of this option based on the model.

#### Kit 5. Differential protection

Panel with differential in single-phase models. Cover with integrated differential on the alternator in three-phase models.

### ALTERNATOR POWER SOCKETS CONFIGURATION

|                   | IP44   | CEE IP44   | CEE IP44       |
|-------------------|--------|------------|----------------|
|                   | Schuko | 2P + T 32A | 3P + N + T 16A |
| <b>DGH 3000 B</b> | 2      | -          | -              |
| <b>DGH 3500 B</b> | 2      | -          | -              |
| <b>DGH 4000 B</b> | 2      | -          | -              |
| <b>DGH 5000 B</b> | 2      | -          | -              |
| <b>DGH 6000 B</b> | 1      | 1          | -              |
| <b>DGH 8000 B</b> | 1      | 1          | -              |
| <b>DGH 9000 B</b> | 1      | 1          | -              |
| <b>DGH 6 TF B</b> | 1      | -          | 1              |
| <b>DGH 8 TF B</b> | 1      | -          | 1              |
| <b>DGH 9 TF B</b> | 1      | -          | 1              |

Caption

 Included

 Optional

 Not available

 Consult



---

[info@dagartech.com](mailto:info@dagartech.com)

T +34 976 141 655

---



**CUSTOM  
ENERGY  
SOLUTIONS**

[dagartech.com](http://dagartech.com)