

DGH 3500 B

Basic Portable Range



Ideal for...



CONSTRUCTION


AGRICULTURE
AND LIVESTOCK

Weight **without wheels:**
39,3 kg

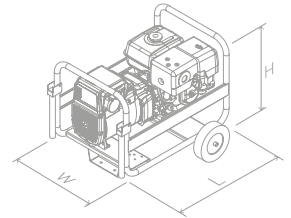
Dimensions
without wheels:
L: 620 mm
W: 430 mm
H: 430 mm


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



Static frame



CE Conformity

1. General technical data

General technical data	Engine	HONDA GX 160
	Alternator	LINZ SP10S E
	Frequency	50Hz
	Voltage	230V
	Work regime (rpm)	3000
	Power factor (cos φ)	1
	Tank (l)	3,1
	Type of start-up	Manual ⁹⁶
Power ¹ (m.p. cos φ 1)	PRP (kVA / kW)	3,1 / 3,1

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).



The transportation kit and electrical panel with differential protection are optional and are not included in this unit's standard scope of supply.

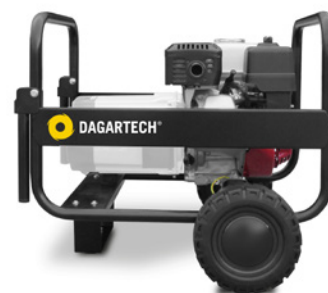
2. Engine specifications

2.1. General technical data of the engine	Make and model	HONDA GX 160			
	r.p.m.	3000			
	Continuous power - 3000 rpm (kW)	3,2			
	Fuel	Unleaded gasoline			
	Number of cylinders	1 cylinder			
	Cylinder capacity (c.c.)	163			
	Compression ratio	8,5:1			
	Maximum torque (Nm)	10,3 (2500 r.p.m.)			
	Cooling system	8,5:1			
	Start-up	Manual			
2.2. Fuel	Type of fuel	Unleaded gasoline			
	Tank capacity (l)	3,1			
2.3. Consumption and autonomy	Consumption (l/h)		Autonomy (h)		
	PRP	ESP	PRP	ESP	
	75%	0,7	-	4,6	-
2.4. Lubrication system	Total oil capacity (l)	0,6			
	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 SP10S E			
	Number of poles	2			
	Insulation class	H			
	Mechanical protection index	IP23			
	Voltage regulator	Compound			
	Power PRP 40°C (kVA)	3,5			
	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. Power sockets configuration

Model	IP44	EEC IP44	EEC IP44
	Schuko	2P+T 32A	3P+N+T 16A
DGH 3000 B	2	-	-
DGH 3500 B	2	-	-
DGH 4000 B	2	-	-
DGH 5000 B	2	-	-
DGH 6000 B	1	1	-
DGH 8000 B	1	1	-
DGH 9000 B	1	1	-
DGH 6 TF B	1	-	1
DGH 8 TF B	1	-	1
DGH 9 TF B	1	-	1

5. Standard scope of supply of the Basic range

- HONDA GX 160 gasoline engine - Industrial GX series 3,000 rpm 4-stroke.
- IP23 alternator adapted to generator standards.
- Original Honda metal fuel tank.
- Steel chassis with anti-vibration dampers.
- Supply without engine lubricating oil.
- Engine oil protection.
- Fuel tap.
- Alternator magnetothermic protection.



**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 Basic Portable range.



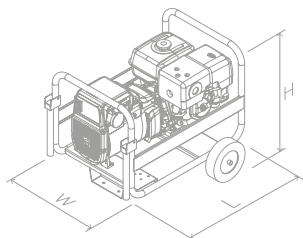
KIT 1: Transportation

With this kit composed of solid anti-puncture wheels, handles and support, **you will be able to comfortably and easily transport and use it.**

Weight with wheels:
44,8 kg

Dimensions with wheels:

L: 648 mm
W: 566 mm
H: 540 mm



KIT 2: Alternator with AVR

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

Check availability depending on the model.



KIT 3: Electric start-up

Start your generator effortlessly in seconds.

Includes 12V battery.

Check availability depending on the model.



KIT 4: IP67 power sockets in the alternator

You can also **equip your generator with IP67 power sockets.**

Check availability depending on the model.

KIT 5: Differential protection

A DIFFERENTIAL PROTECTION PANEL FOR SINGLE-PHASE MODELS (230V)

- IP65 waterproof enclosure.
- Differential protection.
- Support and wiring.

B COVER WITH INTEGRATED DIFFERENTIAL PROTECTION IN THE ALTERNATOR FOR THREE-PHASE MODELS (400/230V).

A



B



MODEL	Differential protection panel	Cover with integrated differential protection
DGH 3000 B	•	-
DGH 3500 B	•	-
DGH 4000 B	•	-
DGH 5000 B	•	-
DGH 6000 B	•	-
DGH 8000 B	•	-
DGH 9000 B	•	-
DGH 6 TF B	-	•
DGH 8 TF B	-	•
DGH 9 TF B	-	•