


# DGH 3500 B


## Basic Portable Range



Ideal for...



 Weight **without wheels:**  
40,2 kg

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

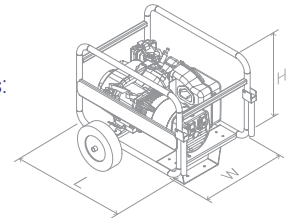


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 Unleaded gasoline

 EU Stage V

 Air cooled

 Static frame

 CE Conformity

## 1. General technical data

General technical data	Engine	HONDA GX 160
	Alternator	MECCALTE S16W-90
	Frequency	50Hz
	Voltage	230V
	Work regime (rpm)	3000
	Power factor (cos φ)	1
	Tank (l)	3,1
	Type of start-up	Manual
<b>Power<sup>1</sup></b> (m.p. cos φ 1)	<b>PRP (kVA / kW)</b>	<b>3,1 / 3,1</b>

<sup>1</sup>PRP: Continuous power ("Prime Power") according to ISO8528-1.



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

## 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:

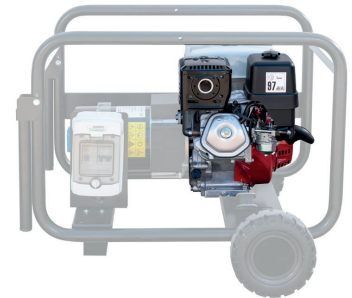
- **2006/42/EC.** Machine Safety Directive.
- **EN ISO 8528-13:2016. Part 13: Safety.** Alternating current generator sets powered by reciprocating internal combustion engines.
- **2014/30/EU.** Electromagnetic Compatibility Directive.
- **2000/14/EC<sup>2</sup>.** Noise Emissions Directive. Sound power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

<sup>2</sup>This directive does not limit the power of generating sets with a power exceeding 400 kW.

## 2. Engine specifications

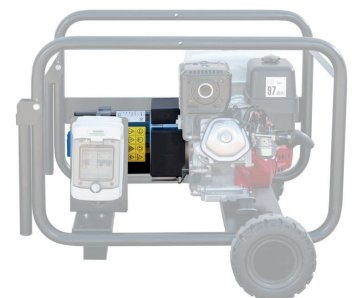
<b>2.1. General technical data of the engine</b>	<b>Make and model</b>	<b>HONDA GX 160</b>			
	r.p.m.	3000			
	Continuous power - 3000 rpm (kW)	3,2			
	Fuel	Unleaded gasoline			
	Number of cylinders	1 cylinder			
	Cylinder capacity (c.c.)	163			
	Compression ratio	8,5:1			
	Maximum torque (Nm)	10,3 (2500 r.p.m.)			
	Cooling system	8,5:1			
	Start-up	Manual			
<b>2.2. Fuel</b>	Type of fuel	Unleaded gasoline			
	Tank capacity (l)	3,1			
<b>2.3. Consumption and autonomy</b>	<b>Consumption (l/h)</b>		<b>Autonomy (h)</b>		
		<b>PRP</b>	<b>ESP</b>	<b>PRP</b>	<b>ESP</b>
	<b>75%</b>	0,7	-	4,6	-
	<b>100%</b>	0,9	-	3,4	-
	<b>2.4. Lubrication system</b>	Total oil capacity (l)	0,6		
Oil type		15W40			

- **4-stroke Gasoline Engine.**
- Air cooling.



## 3. Alternator specifications

<b>3.1. General technical data for the alternator</b>	<b>Make and model</b>	<b>MECCALTE S16W-90</b>			
	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 7000 B	2	-	-
DGH 8000 B	1	1	-
DGH 9000 B	1	1	-
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DGH 6 TF B	1	-	1
DGH 8 TF B	1	-	1
DGH 9 TF B	1	-	1

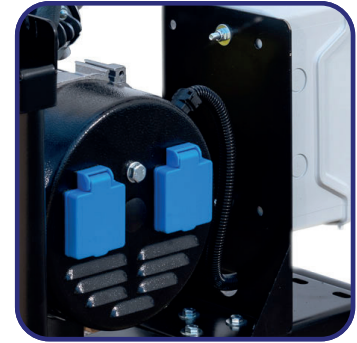


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## 5. Standard scope of supply of the Basic range

- HONDA gasoline engine - Industrial GX series 3,000 rpm 4-stroke.
- MeccAlte 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.

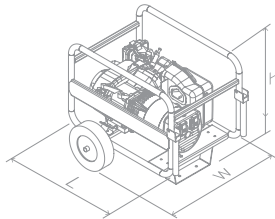


### KIT 1: Transportation

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:**  
45,7 kg

 **Dimensions with wheels:**  
L: 648 mm  
W: 436 mm  
H: 540 mm



### KIT 2: Alternator with AVR

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



### KIT 3: Electric start-up

**Start your generator effortlessly in seconds.**  
Includes 12V battery.



### KIT 4: Electrical panel with differential protection and integrated bases

Adding a **safety bonus** to your generator with this kit.

### Scope of supply of the kit by model

<b>DGH 3000 B</b>	<ul style="list-style-type: none"> <li>• IP65 waterproof box with 4 modules.</li> </ul>
<b>DGH 3500 B</b>	<ul style="list-style-type: none"> <li>• Magnetothermic switch 2P 16 A.</li> <li>• Differential 2P 25 A.</li> </ul>
<b>DGH 4000 B</b>	<ul style="list-style-type: none"> <li>• Mount and wiring.</li> </ul>
<b>DGH 5000 B</b>	<ul style="list-style-type: none"> <li>• IP44 bases in alternator.</li> </ul>
<b>DGH 6000 B</b>	<ul style="list-style-type: none"> <li>• IP65 waterproof box with 4 modules.</li> </ul>
<b>DGH 7000 B</b>	<ul style="list-style-type: none"> <li>• Magnetothermic switch 2P 32 A.</li> <li>• Differential 2P 40 A.</li> </ul>
<b>DGH 8000 B</b>	<ul style="list-style-type: none"> <li>• Mount and wiring.</li> </ul>
<b>DGH 9000 B</b>	<ul style="list-style-type: none"> <li>• IP44 bases in alternator.</li> </ul>
<b>DGH 6 TF B</b>	<ul style="list-style-type: none"> <li>• IP65 waterproof box with 12 modules.</li> </ul>
<b>DGH 8 TF B</b>	<ul style="list-style-type: none"> <li>• 2 x 4P 16 A magnetothermic switch.</li> <li>• Differential 4P 25 A.</li> </ul>
<b>DGH 9 TF B</b>	<ul style="list-style-type: none"> <li>• Mount and wiring.</li> <li>• IP44 bases in alternator.</li> </ul>