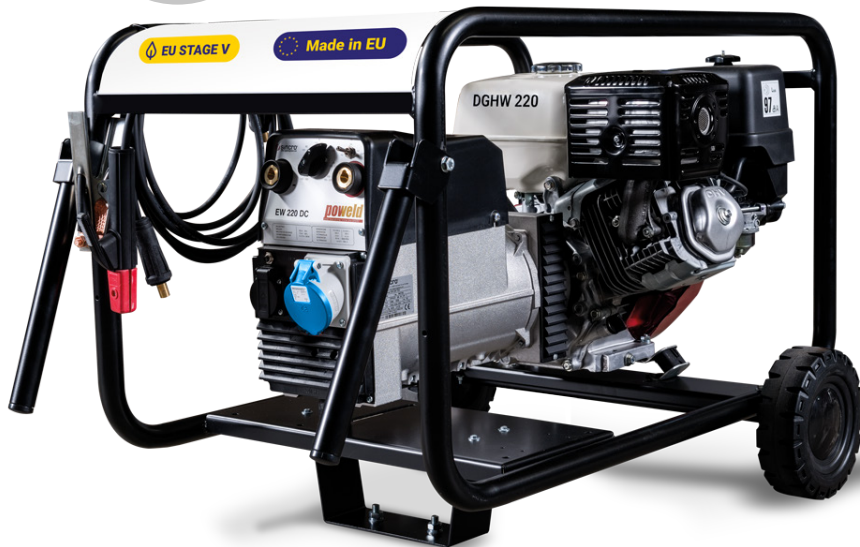




# DGHW 170


## Welding Portable Range



Ideal for...



 **Weight with wheels:**  
75 kg

 **Dimensions with wheels:**  
L: 856 mm  
W: 696 mm  
H: 652 mm

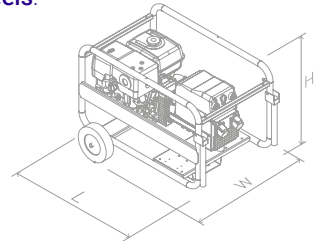


Image for orientation purposes. Dagartech reserves the right to modify the data in this technical sheet without prior notice.



Unleaded gasoline



EU Stage V



Air-cooled



Moving chassis



CE Conformity

## 1. General technical data

General technical data	Engine	HONDA GX 270	
	Alternator	SINCRO EW 180 AC	
	Frequency	50Hz	
	Voltage	230V	
	Work regime (rpm)	3000	
	Power factor (cos φ)	1	
	Welding current (A)	180 A*	
	Electrode diameter (mm)	3,25	
	Auxiliary output (kVA)	230V	5
		400/230V	N/A
Power <sup>1</sup> (m.p. cos φ 1)	PRP (kVA / kW)		5 / 5

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

Model	*Service (A) 35% / 60%
DGHW 170	180 / 125
DGHW 200	200 / 180
DGHW 220 MF	220 / 170
DGHW 220	220 / 170

## 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).

## 2. Engine specifications

<b>2.1. General technical data of the engine</b>	<b>Make and model</b>	<b>HONDA GX 270</b>			
	r.p.m.	3000			
	Continuous power - 3000 rpm (kW)	3,7			
	Fuel	Unleaded gasoline			
	Number of cylinders	1 cylinder			
	Cylinder capacity (c.c.)	270			
	Compression ratio	8,2:1			
	Maximum torque (Nm)	17,7 (2500 r.p.m.)			
	Cooling system	8,2:1			
	Start-up	Manual			
<b>2.2. Fuel</b>	Type of fuel	Unleaded gasoline			
	Tank capacity (l)	5,3			
<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>	1,3	-	4,1	-
<b>2.4. Lubrication system</b>	Total oil capacity (l)	1,1			
	Oil type	15W40			

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



Emissions compliance  
**EU Stage V**

## 3. Alternator specifications

<b>2.1. General technical data of the alternator</b>	<b>Make and model</b>	<b>SINCRO EW 180 AC</b>			
	Number of poles	2			
	Insulation class	H			
	Mechanical protection index	IP23			
	Welding current	180 A			
	Welding current type	A.C.			
	Electrode	Rutile			
	Electrode diameter (mm)	3,25			
	Strike voltage	50V			
	Welding voltage	24,4 - 27,2V			
	Auxiliary output, 230V (kVA)	5			
	Auxiliary output, 400/230V (kVA)	N/A			
	Nº of phases	1			
	Power factor (cos φ)	1			

- **Brushless 2-pole alternator.** No maintenance required.
- **Winding protection** by impregnation with tropicalised epoxy resin.

## 4. Power sockets configuration

Modèle	IP44	CEE IP44	CEE IP44
	Schuko	2P+T 32A	3P+N+T 16A
DGHW 170	2	-	-
DGHW 200	1	1	-
DGHW 220 MF	1	1	-
DGBW 220	1	-	1
DGHW 220	1	-	1

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

- HONDA GX 270 gasoline engine 3,000 rpm 4-stroke.
- MeccAlte IP23 alternator adapted to generator standards.
- Original Honda metal fuel tank.
- Steel chassis with anti-vibration dampers.
- **Welding kit<sup>1</sup>** with 4m cable and welding guns + 2m earth cable.
- Transportation kit: It includes solid wheels with axis, support and handles.
- Supply without engine lubricating oil.
- Engine oil protection.
- Fuel tap.
- Alternator magnetothermic protection.

<sup>1</sup> It does not include welding helmet.



**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.