



DGH 12000 BC

BC Portable Range **Max**



Ideal for...



MACHINERY
LEASING




INDUSTRY



CONSTRUCTION

 Weight **with wheels:**
162,66 kg

 Dimensions **with wheels:**
L: 1026 mm
W: 886 mm
H: 769 mm

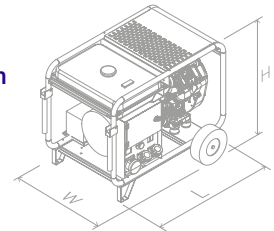


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Petrol



EU Stage V



Air cooling



Moving chassis



EC Certificate

1. General technical data

| General technical data | Engine | HONDA GX 630 |
|------------------------|------------------------|---------------|
| | Alternator | LINZ E1C11M C |
| | Frequency | 50Hz |
| | Voltage | 230V |
| | Work regime (rpm) | 3000 |
| | Power factor (cos φ) | 1 |
| | Tank (l) | 25 |
| | Type of start-up | Electric |
| | Sound level (dB(A)@7m) | 68 |

| Capacities ¹ (m.p. cos φ 1) | PRP (kVA / kW) | 12 / 12 |
|---|----------------|-----------|
| | ESP (kVA / kW) | N/A / N/A |

¹PRP: Continuous power ("Prime Power"). ESP: Emergency Standby 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/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).

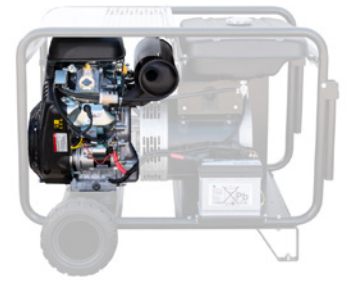
2. Engine specifications

| | | | | | |
|--|----------------------------------|------------------------|------------|---------------------|------------|
| 2.1. General technical data of the engine | Brand and model | HONDA GX 630 | | | |
| | r.p.m. | 3000 | | | |
| | Continuous power - 3000 rpm (kW) | 14,2 | | | |
| | Net power - 3600 rpm (kW) | 15,5 | | | |
| | Fuel | Petrol | | | |
| | Number of cylinders | 2 cylinders | | | |
| | Cylinder capacity (c.c.) | 688 | | | |
| | Compression ratio | 9,1:1 | | | |
| | Maximum torque (Nm) | 48,3 Nm (2500 rpm) | | | |
| | Cooling system | Air cooling | | | |
| Start-up | Electric | | | | |
| 2.2. Fuel | Type of fuel | Petrol | | | |
| | Tank capacity (l) | 25 | | | |
| 2.3. Consumption and autonomy | Consumption (l/h) | PRP | ESP | Autonomy (h) | |
| | | | | PRP | ESP |
| | 75% | 4,2 | - | 5,9 | - |
| | 100% | 6 | - | 4,2 | - |
| | 2.4. Lubrication system | Total oil capacity (l) | 1,9 | | |
| 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 | Brand and model | LINZ E1C11M C | | | |
| | No. of poles | 2 | | | |
| | Insulation class | H | | | |
| | Mechanical protection index | IP23 | | | |
| | Voltage regulator | Capacitor | | | |
| | Power PRP 40°C (kVA) | 12 | | | |
| | Number 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.

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4. Power sockets configuration

| Modelo | IP67 | CEE IP67 | CEE IP67 |
|--------------|--------|----------|------------|
| | Schuko | 2P+T 32A | 3P+N+T 32A |
| DGH 12000 BC | 2 | 1 | - |
| DGH 12 TF BC | 2 | - | 1 |
| DGH 15 TF BC | 2 | - | 1 |
| DGB 20 TF BC | 2 | - | 1 |
| DGB 24 TF BC | 2 | - | 1 |

5. Standard scope of supply of the BC Max range

- Gasoline engine HONDA GX 630 3,000 rpm 4-stroke.
- IP23 alternator adapted to generator standards.
- Metal fuel tank with a capacity of 25 litres.
- Steel chassis with anti-vibration dampers.
- Upper protection plate.
- IP55 electrical panel with IP67 bases with protection door incorporated in chassis.
- Transport kit: Includes solid anti-puncture wheels with axle, support and handles.
- Supply without engine lubricating oil.
- Engine oil protection.
- Fuel stopcock.
- Thermal protection.



The electrical panel is adapted to the ICT-BT-33 construction standard.

The metal door for additional protection of the electrical elements gives it robustness and reliability for the most adverse working conditions.

It includes:

- Internal protection window - electrical appliances.
- Emergency stop button.
- Individual and differential magnetothermic protection.
- Hour meter.
- Voltmeter.



**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 BC **Max** Portable range.



Alternator with AVR

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

Check availability depending on the model.

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Do you have questions about these options? Do you need something different?



Get in contact with us. We will solve all your doubts.