



# DGB 24 TF BC

## BC Portable Range **Max**



Ideal for...



MACHINERY  
LEASING




INDUSTRY



CONSTRUCTION

 Weight **with wheels:**  
220 kg

 Dimensions **with wheels:**  
L: 1050 mm  
W: 795 mm  
H: 815 mm

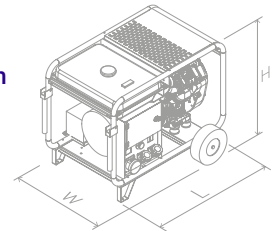


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Petrol



EU Stage V



Air cooling



Moving chassis



EC Certificate

## 1. General technical data

General technical data	Engine	VANGUARD 6134
		Alternator
	Frequency	50Hz
	Voltage	400/230V
	Work regime (rpm)	3000
	Power factor (cos φ)	0,8
	Tank (l)	25
	Type of start-up	Electric
	Sound level (dB(A)@7m)	72

Capacities <sup>1</sup> (m.p. cos φ 0,8)	PRP (kVA / kW)	22 / 17,6
		ESP (kVA / kW)

<sup>1</sup>PRP: 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<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>Brand and model</b>	<b>VANGUARD 6134</b>			
	r.p.m.	3000			
	Continuous power - 3000 rpm (kW)	21,4			
	Net power - 3600 rpm (kW)	26,11			
	Fuel	Petrol			
	Number of cylinders	2 cylinders			
	Cylinder capacity (c.c.)	993			
	Compression ratio	N/A			
	Maximum torque (Nm)	N/A			
	Cooling system	Air cooling			
Start-up	Electric				
<b>2.2. Fuel</b>	Type of fuel	Petrol			
	Tank capacity (l)	25			
<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>	4,2	-	6	-
	<b>100%</b>	N/A	-	N/A	-
	<b>2.4. Lubrication system</b>	Total oil capacity (l)	2,3		
Oil type		15W40			

• **4-Stroke Gasoline Engine.**

Air cooling.

Emissions compliance  
**EU Stage V**



## 3. Alternator specifications

<b>3.1. General technical data for the alternator</b>	<b>Brand and model</b>	<b>MECCALTE ATO 28/2 1VS</b>			
	No. of poles	2			
	Insulation class	H			
	Mechanical protection index	IP23			
	Voltage regulator	N/A			
	Power PRP 40°C (kVA)	27			
	Number of phases	3			
	Power factor (cos φ)	0,8			

- **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	IP67	EEC IP67
	Schuko	3P+N+T 32A
DGB 20 TF BC	2	1
DGB 24 TF BC	2	1

## 5. Standard scope of supply of the BC Max range

- Gasoline engine VANGUARD 6134 3,000 rpm 4-stroke.
- MeccAlte 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.

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