



DGB 20 TF BC

BC Portable Range **Max**



Ideal for...



MACHINERY
LEASING




INDUSTRY



CONSTRUCTION

 Weight **with wheels:**
215 kg

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

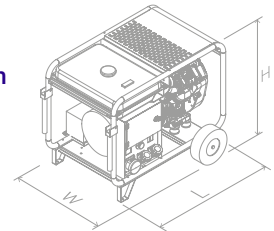


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Petrol



EU Stage V



Air cooling



Moving chassis



EC Certificate

1. General technical data

General technical data	Engine	VANGUARD 5434
		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 ¹ (m.p. cos φ 0,8)	PRP (kVA / kW)	18 / 14,4
		ESP (kVA / kW)

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/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).

2. Engine specifications

2.1. General technical data of the engine	Brand and model	VANGUARD 5434			
	r.p.m.	3000			
	Continuous power - 3000 rpm (kW)	18,9			
	Net power - 3600 rpm (kW)	23,13			
	Fuel	Petrol			
	Number of cylinders	2 cylinders			
	Cylinder capacity (c.c.)	896			
	Compression ratio	N/A			
	Maximum torque (Nm)	N/A			
	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)		Autonomy (h)		
	PRP	ESP	PRP	ESP	
	75%	3,9	-	6,4	-
100%	N/A	-	N/A	-	
2.4. Lubrication system	Total oil capacity (l)	2,3			
	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	MECCALTE BTP 3-2L/2			
	No. of poles	2			
	Insulation class	H			
	Mechanical protection index	IP23			
	Voltage regulator	N/A			
	Power PRP 40°C (kVA)	18,5			
	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 5434 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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