

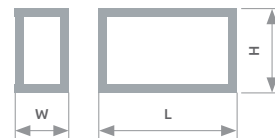
400/230V | 50Hz

VANGUARD 5434 | MECCALTE BTP 3-2L/2

DGB 20 TF BC


Illustrative image

Dimensions (with wheels):

 L : 1050 mm
 H : 815 mm
 W : 795 mm

Weight:
 215 kg

- Hz** 50Hz
- V** 400/230V
-  Air cooled
-  Unleaded gasoline
-  3000 r.p.m.
-  Portable frame
-  CE Conformity

1 / Genset general description

GENERAL TECHNICAL DATA	Engine	VANGUARD 5434
	Alternator	MECCALTE BTP 3-2L/2
	Frequency	50Hz
	Voltage	400/230V
	Rated speed (rpm)	3000
	Power factor	0,8
	Fuel tank capacity (l)	25
	Starting system	Electric

POWER¹	PRP (kVA / kW)	18 / 15
	ESP (kVA / kW)	/

Professional generators for rental of machinery and construction companies. The **BC·Vanguard range** is characterized by its **robustness and efficiency**. It incorporates **oversized alternators, special electrical panels that comply with the current regulations and wheel kits** to facilitate its transport and handling.



Scan this QR code to access the

DGB 20 TF BC
 product datasheet

¹PRP: ("Prime Power") ISO8528-1 Standard.


ESP: ("Emergency Standby Power") ISO8528-1. ISO8528-1 Standard.

Note: Dagartech reserves the right to modify the data without prior notice.

2 / Engine specifications

Engine general data

Manufacturer / model	VANGUARD 5434
Continuous power · 3.000 r.p.m. (kW)	18,87
Fuel	Unleaded gasoline
Number of cylinders	2 cylinders
Cylinder capacity (c.c.)	896
Compression ratio	N/A
Torque max. (Nm)	N/A
Cooling system	Air cooled
Starting system	Electric
Fuel tank capacity (l)	25
Oil capacity (l)	2,3

 **4-stroke Unleaded gasoline engine.**
 Refrigeración por aire.

Fuel consumption table

% load	Consumption l/h	Authonomy (h)
75% PRP	3,9	6,4
100% PRP	N/A	N/A

3 / Alternator specifications

Alternator general data

Manufacturer / model	MECCALTE BTP 3-2L/2
Number of poles	2
Performance class	H
Insulation class	IP23
Voltage regulator	N/A
PRP Power 40°C (kVA)	18,5
Number of phases	3
Power factor (cos φ)	0,8

 **MECCALTE BTP 3-2L/2 2 poles**
 brushless alternator.

3 / Power sockets specifications

	IP67	CEE IP67
	Schuko	3P+N+T 32A
DGH 20 TF BC	2	1
DGH 24 TF BC	2	1

4 / Scope of supply

The **BC·VANGUARD Portable Range** has the following **standard equipment**:

- VANGUARD engine : 4-stroke · 3000 r.p.m.
- IP23 MeccAlte alternator, adapted to generator sets standards.
- Metallic fuel tank¹.
- Electro-welded bench made of high-strength steel with anti-vibration shock absorbers.
- Protective plate.
- IP55 electric panel with IP67 power sockets and a built-in machine door on the bench. See additional information on the right.
- **Transportation kit**: It includes solid wheels with axis, support and handles.
- Supplied without engine oil.
- Engine oil protection.
- Fuel tap.
- Magnetothermic protection.

¹25-litre fuel tank for all range.

The **electric panel** complies **ICT-BT-33 standards**.

The metallic with an additional protection door gives it robustness and reliability for the most adverse working conditions.

It includes:

- Interior protection window · electrical appliances.
- Emergency stop button.
- Individual and differential magnetothermal protection.
- Hours counter.
- Voltmeter.

Directives and standards

○ **ENVIRONMENTAL CONDITIONS** ISO 8528-1:2018: 25°C, 100kPa y 30% relative humidity:

- **Prime Power (PRP)**: Electrical power data available load for unlimited hours per year. A 10% overload is permissible for 1 hour every 12 hours according to ISO 8528-1:2018.
- **Emergency Standby Power (ESP)**: Electrical power data available at variable load in an emergency according to ISO 8528-1:2018.

The DAGARTECH genset has the **CE marking** which includes the following directives:

- **2006/42/CE**. Machinery Safety Directive.
- **EN ISO 8528-13:2016**. Part 13: Safety. Alternate current electric generator sets driven by internal combustion.
- **2014/35/UE**. Low Voltage Directive.
- **2000/14/CE¹**. Noise Emission Directive. Sound power levels assessed pursuant to the procedure established in the aforementioned directive.
- **2011/65/EU**. Directive 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment (RoHS 2).

¹This directive does not apply to electric generator sets with a power of over 400 kW.