B45 Electric Drive

Self-Priming Centrifugal Pump

Max. 22 m^3/hour, Max. 31 mwc

Pump specifications:

Type	B45 BVGMC
Max. flow	22 m^3/hour
Max. head	31 mwc
Connections	1,5" BSP
Impeller type	Open impeller
Free passage	14 mm
Pump speed	2850 rpm
Electric motor	2.2 kW - 2 pole
Voltage	230/400V
Assembly	Monobloc
Weight (net)	45 kg

FEATURES

B self-priming centrifugal pump

The B range of pumps has been designed with a clear focus on reliability, efficiency and durability, ranging from 1-1/2" to 12". Featuring an open impeller configuration in combination with a changeable wear plate, facilitating servicing and minimising costs of spares. All B series pumps are fitted with a non return valve in the suction port, eliminating the need for a foot valve in suction line and allowing quick priming.

Complete package designed & built by BBA Pumps

- Complete in-house design & production
- Over 60 years of experience in the market
- Extensive testing facility in-house
- Contemporary & functional design
- Durable & eco-friendly materials
- Custom builds available

Design features

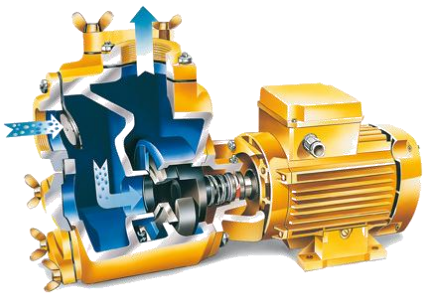
- Basic, reliable technology
- Large solids handling capacity
- Suitable for use with hot fluids
- Cooled shaft seal
- Extended life due to pump design

After sales service & product support

- Single supplier for parts, spares & accessories
- Dedicated customer help-desk (24h service)
- Dedicated service department in-house
- Global parts distribution network
- Optional global on-site servicing
- Extensive training options available (technical & commercial), on-site or in-house

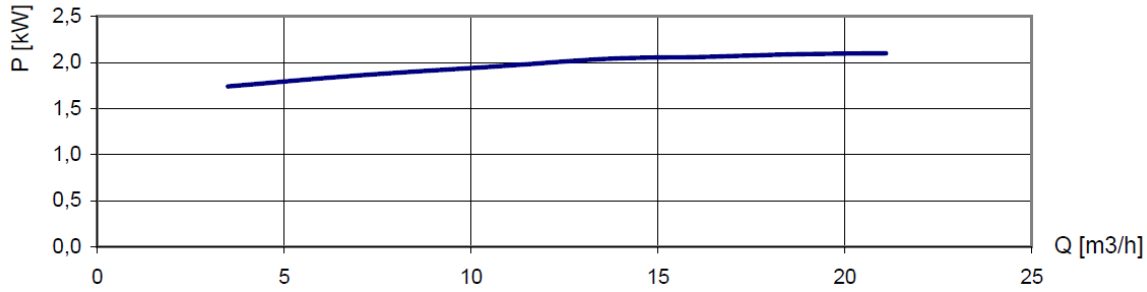
Fields of application

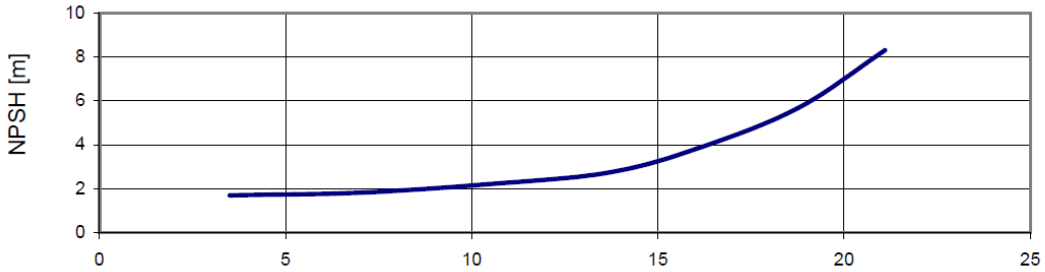
- Shipping
- Industry
- Construction
- Waste water management
- Emergency pump units
- Irrigation
- Agriculture
- Horticulture

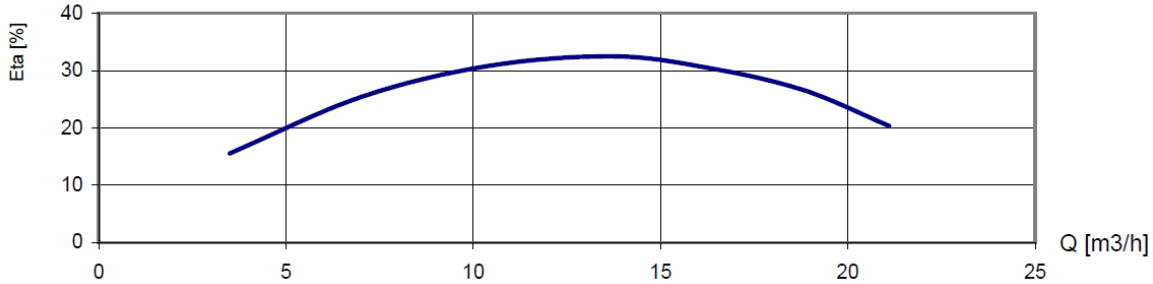


PERFORMANCE CURVES (2850 RPM)

Continuous duty according ISO 9906







STANDARD TECHNICAL SPECIFICATIONS

BBA centrifugal pump

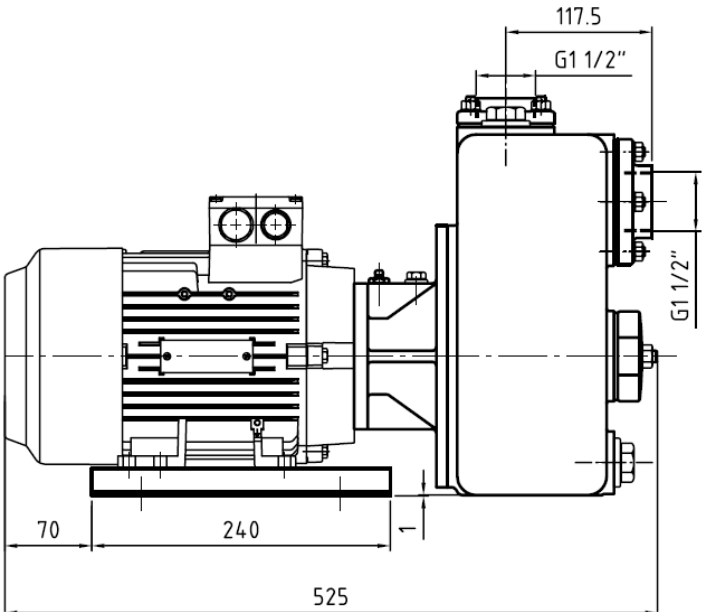
Model	B45 BVGMC
Max. flow	22 m³/hour
Max. head	31 mwc
Free passage	14 mm
Pump speed	2850 rpm
Connections	1,5" BSP

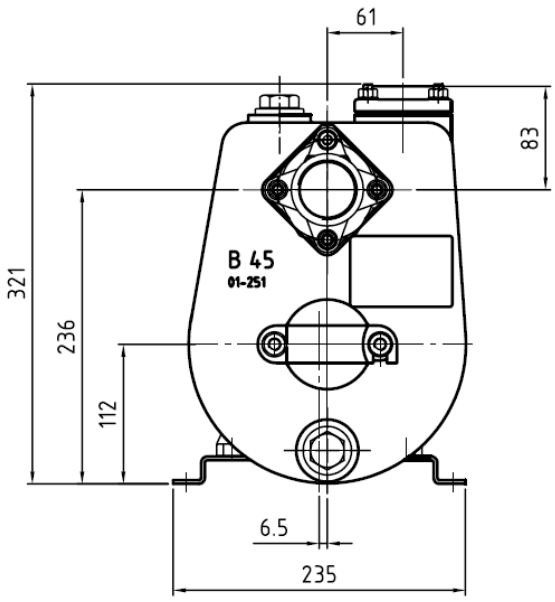
Electric motor

Power	2.2 kW – 2 pole
Voltage	230/400 V
Frequency	50 Hz
Mounting	B3/B14A, IP55, ISO F
Assembly	Monobloc

Materials

Pump casing	Cast iron GG20 – 0.6020
Wear plate	Cast iron GG20 – 0.6020
Impeller	St.37 – 1.0036
Shaft seal	Mechanical seal
Seal faces	Sic / Sic / Viton
Pump shaft	Steel C45 – 1.1191
Gaskets	NBR / paper





OPTIONAL FEATURES

Mechanical seals

T3W seal	HM / HM / Viton
MG1 seal	Sic / Sic / EPDM

Gaskets

N	NBR: Perbunan
V	FPM: Viton
E	EPDM
T	PTFE: Teflon
K	FFKM, Kalrez

Extras

+F	DIN flanges
+FK	DIN flanges, stainless steel 316
+BI	Bronze impeller; stainless steel 316 shaft
+BII	Bronze impeller/wear plate, stainless steel 316 shaft
+KI	Stainless steel 316 impeller and shaft
+KII	Stainless steel impeller, wear plate and shaft
+M	Cutting blade
+P	Perma grease cartridge
+VP	Grease glass for seal lubrication
+KF	Wheelbarrow frame
60Hz	Motor 440V – 60Hz