# B100 Electric Drive

## Self-Priming Centrifugal Pump

Max. 140 $m^3$/hour, Max. 18 mwc

**Pump specifications:**

| | |
|---|---|
| Type | B100 BVGMC |
| Max. flow | 140 $m^3$/hour |
| Max. head | 18 mwc |
| Connections | 4" BSP |
| Impeller type | Open impeller |
| Free passage | 46 mm |
| Pump speed | 1450 rpm |
| Electric motor | 7.5 kW - 4 pole |
| Voltage | 400/690V 50 Hz |
| Assembly | Monobloc |
| Dry weight | 186 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**

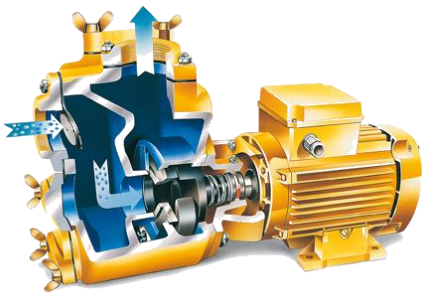
- Basic, reliable technology
- Large solids handling capacity
- Suitable for use with hot fluids
- Cooled shaft seal
- Extended life due to pump design

**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

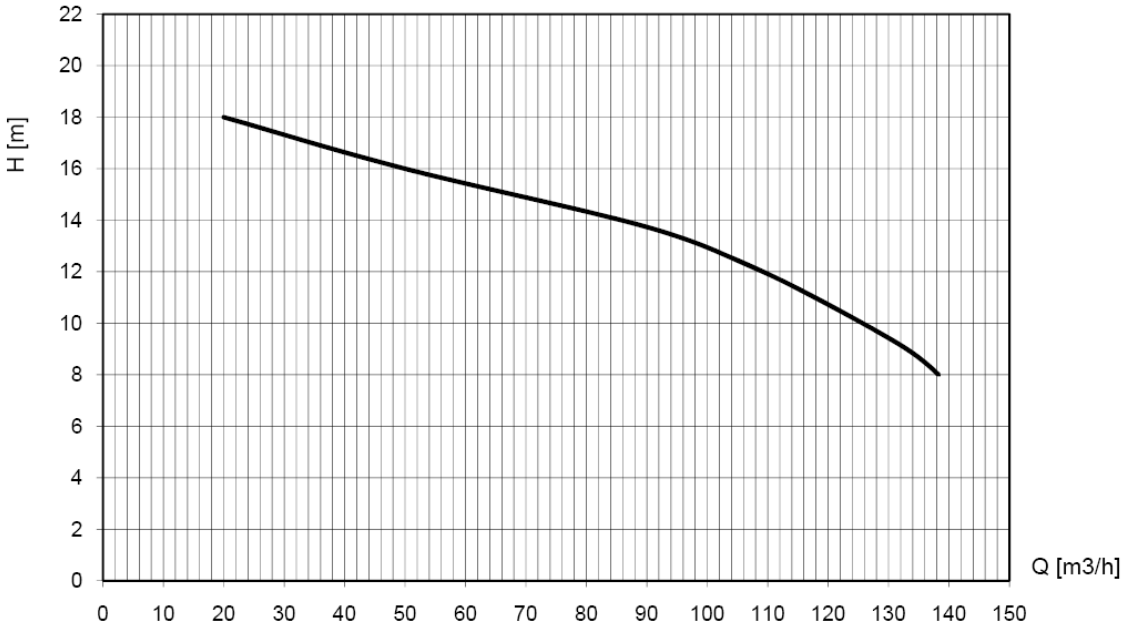
**Fields of application**

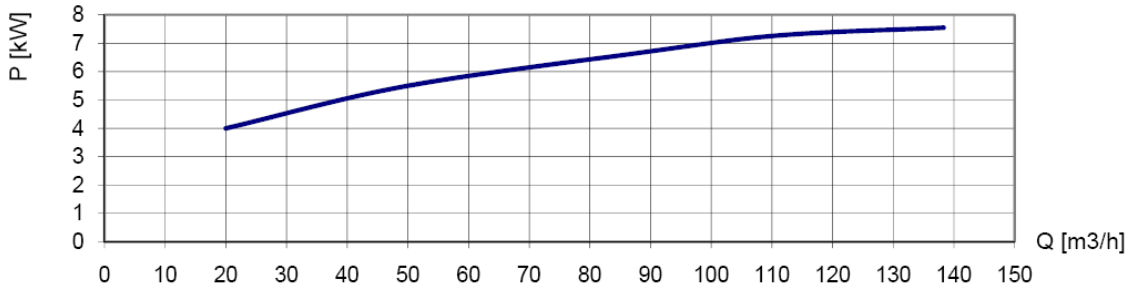
- Shipping
- Industry
- Construction
- Waste water management
- Emergency pump units
- Irrigation
- Agriculture
- Horticulture

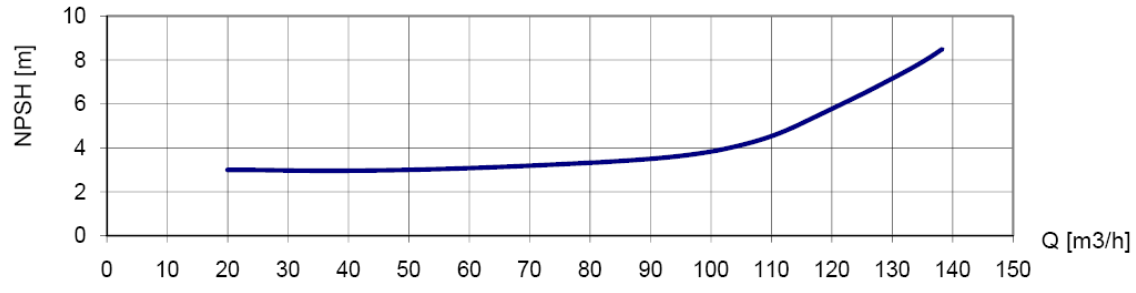


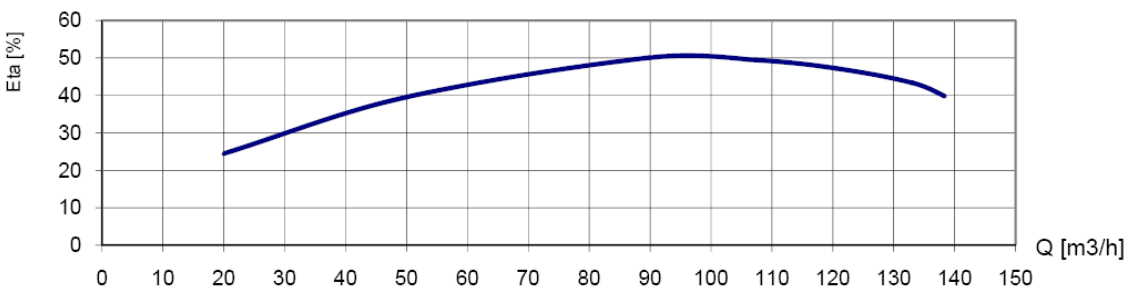
## PERFORMANCE CURVES (1450 RPM)

*Continuous duty according ISO 9906*



## STANDARD TECHNICAL SPECIFICATIONS

**BBA centrifugal pump**

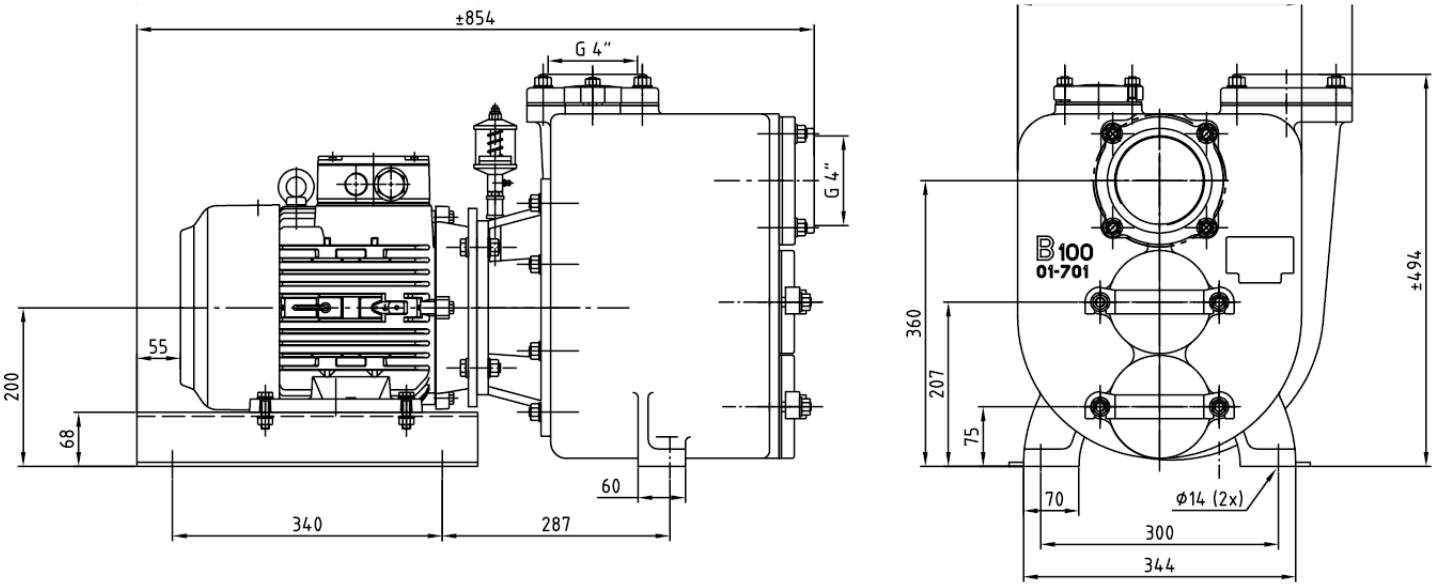
| | |
|---|---|
| Model | B100 BVGMC |
| Max. flow | 140 m³/hour |
| Max. head | 18 mwc |
| Free passage | 46 mm |
| Pump speed | 1450 rpm |
| Connections | 4" BSP |

**Electric motor**

| | |
|---|---|
| Power | 7.5 kW – 4 pole |
| Voltage | 400/690 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 | Cast iron GG40 – 0.6040 |
| Shaft seal | Mechanical seal |
| Seal faces | Sic / Sic / Viton |
| Pump shaft | Steel C45 – 1.1191 |
| Gaskets | NBR / paper |




Actual dimensions (in mm & inches) may vary depending on selected motor IEC standard.

## 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 |



PUMPS FROM HOLLAND