



B40 Electric Drive
Self-Priming Centrifugal Pump
Max. 21 m³/hour, Max. 15 mwc

Pump specifications:

Type.....	B40 BVGMC
Max. flow	21 m ³ /hour
Max. head.....	15 mwc
Materials	Cast iron
Connections.....	1,5" BSP
Free passage.....	18 mm
Pump speed	2850 rpm
Electric motor.....	1.1 kW - 2 pole
Voltage	230/400V
Assembly	Monobloc
Weight (net)	26 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.

Design features

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

Fields of application

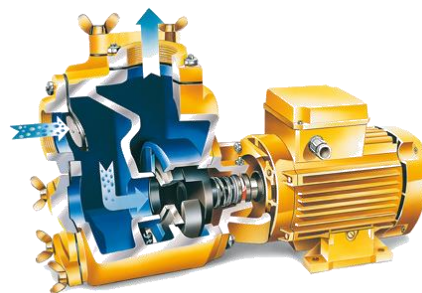
- Shipping
- Industry
- Construction
- Waste water management
- Emergency pump units
- Irrigation
- Agriculture
- Horticulture

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

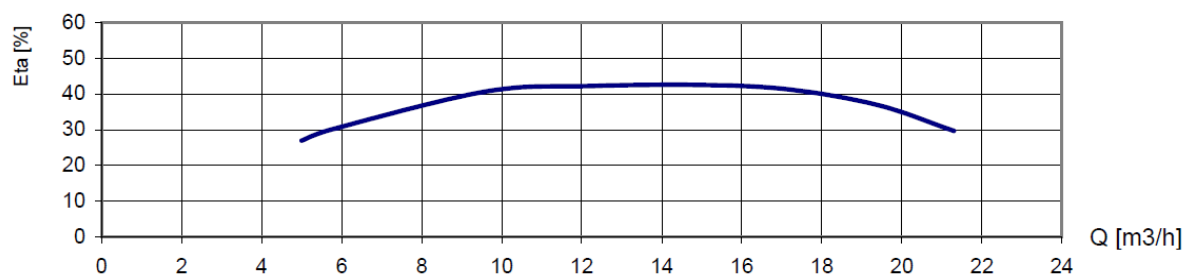
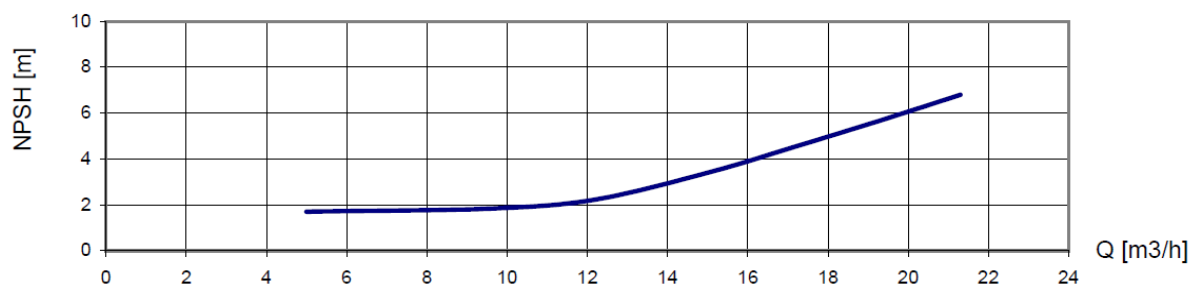
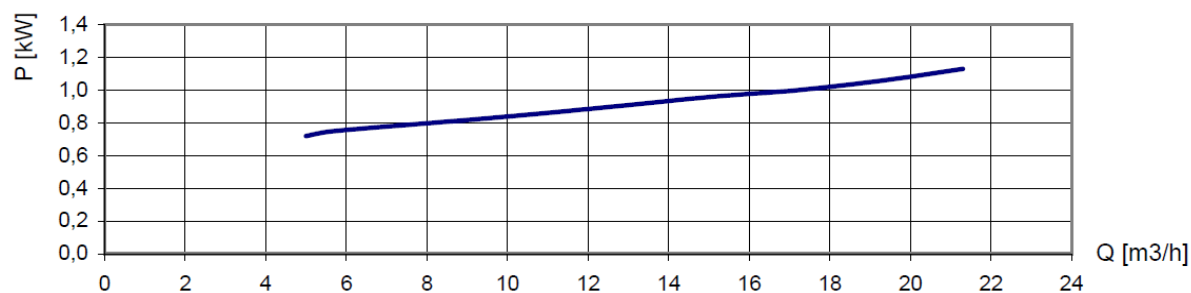
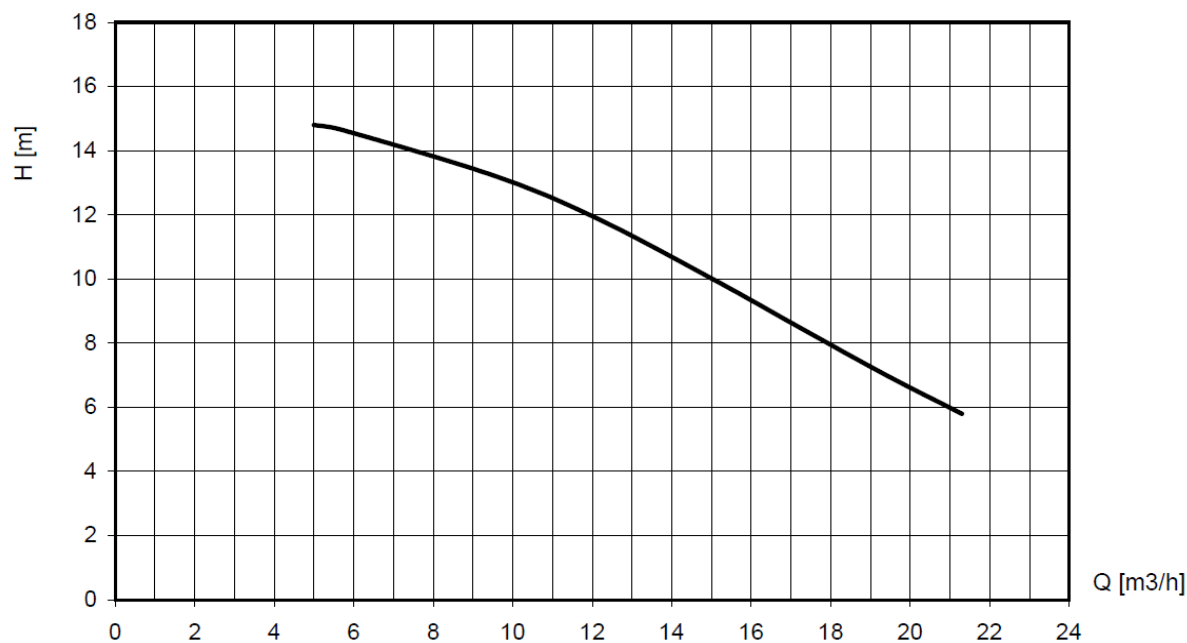
After sales service & product support

- 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



PERFORMANCE CURVES (2850 RPM)

Continuous duty according ISO 9906





B40 Electric Drive
Self-Priming Centrifugal Pump
Max. 21 m³/hour, Max. 15 mwc

STANDARD TECHNICAL SPECIFICATIONS

BBA centrifugal pump

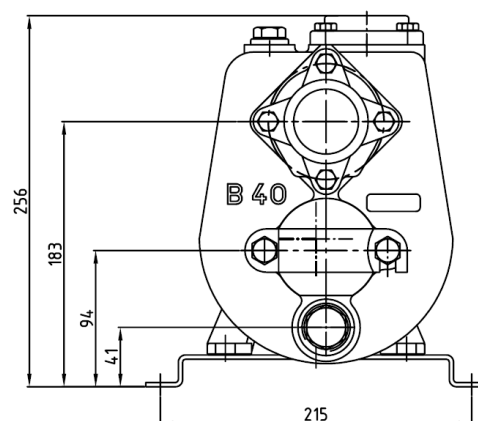
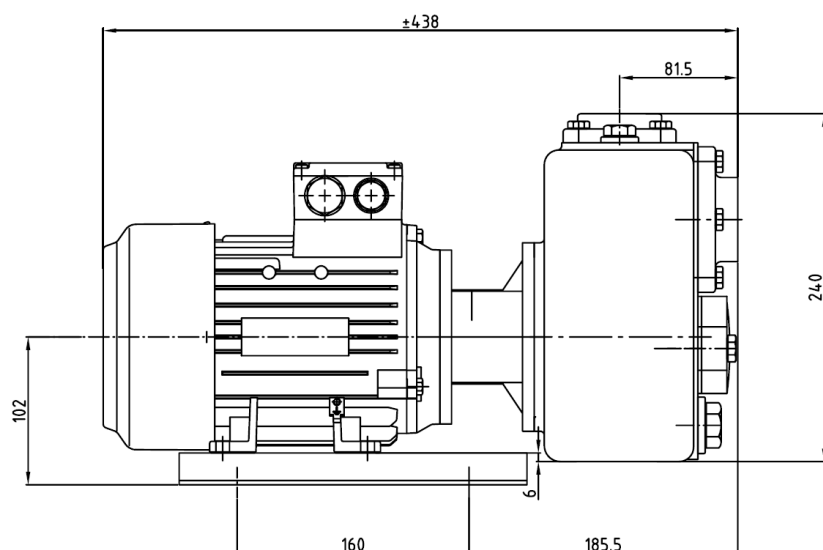
Model..... B40 BVGMC
Max. flow..... 21 m³/hour
Max. head..... 15 mwc
Free passage..... 18 mm
Pump speed..... 2850 rpm
Connections..... 1,5" BSP

Electric motor

Power..... 1.1 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..... Cast iron GG25 – 0.6025
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





B50 Electric Drive
Self-Priming Centrifugal Pump
Max. 35 m³/hour, Max. 18 mwc



Pump specifications:

Type.....	B50 BVGMC
Max. flow	35 m ³ /hour
Max. head.....	18 mwc
Materials	Cast iron
Connections.....	2" BSP
Free passage.....	25 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.

Design features

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

Fields of application

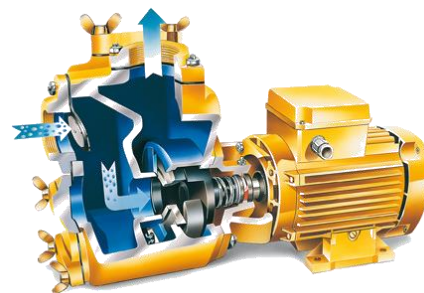
- Shipping
- Industry
- Construction
- Waste water management
- Emergency pump units
- Irrigation
- Agriculture
- Horticulture

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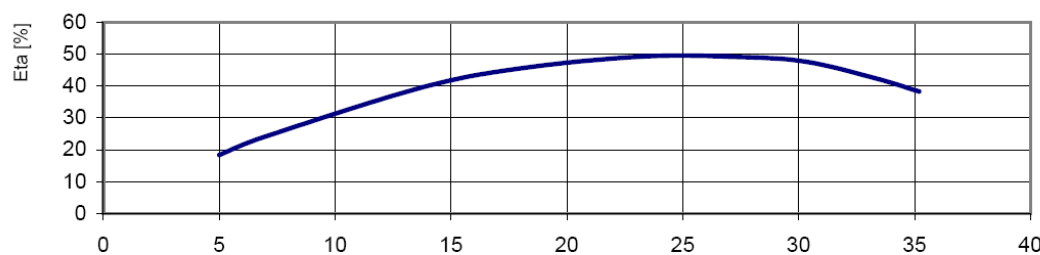
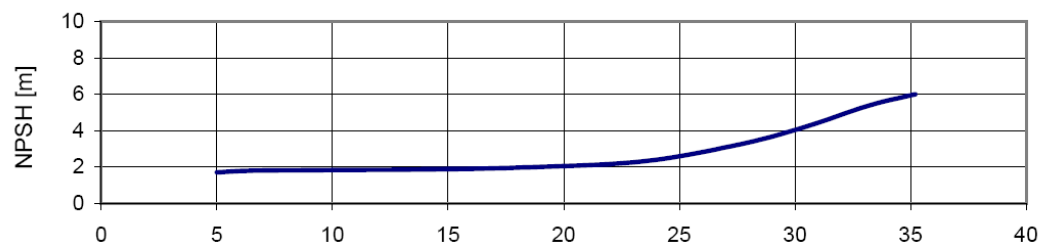
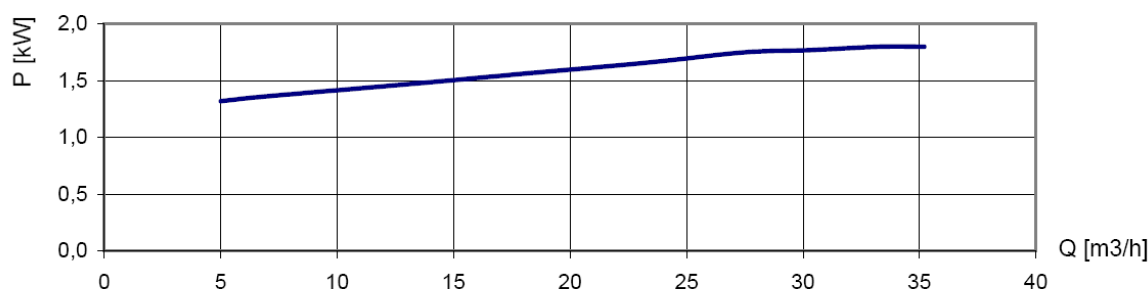
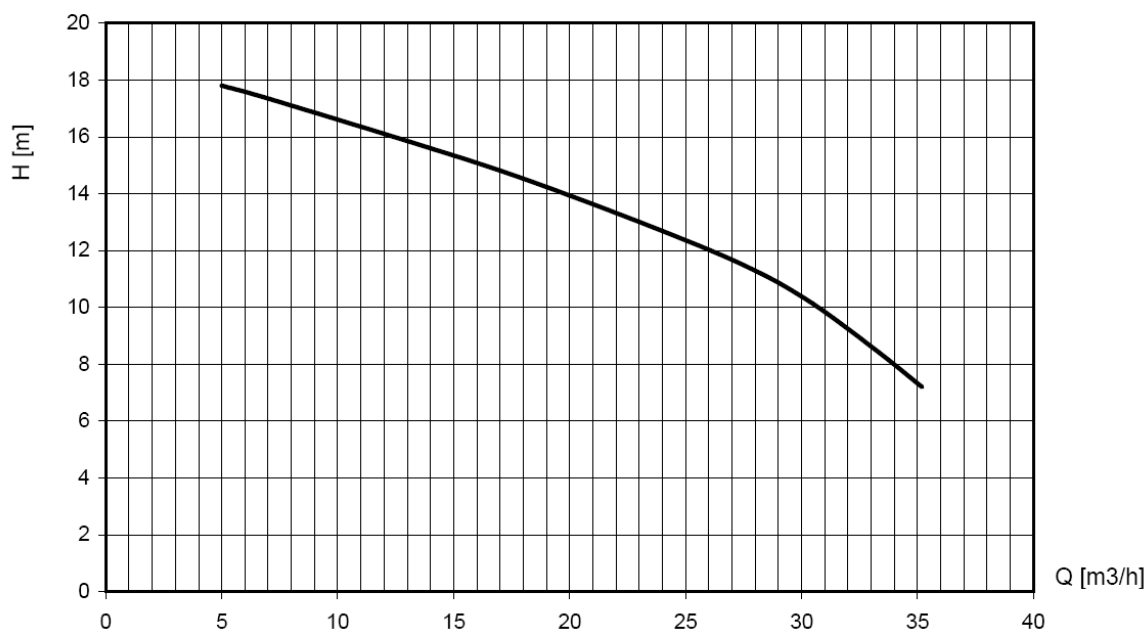
After sales service & product support

- Single supplier for parts, spares & accessories
- Dedicated customer help-desk (24h service)
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PERFORMANCE CURVES (2850 RPM)

Continuous duty according ISO 9906





B50 Electric Drive
Self-Priming Centrifugal Pump
Max. 35 m³/hour, Max. 18 mwc

STANDARD TECHNICAL SPECIFICATIONS

BBA centrifugal pump

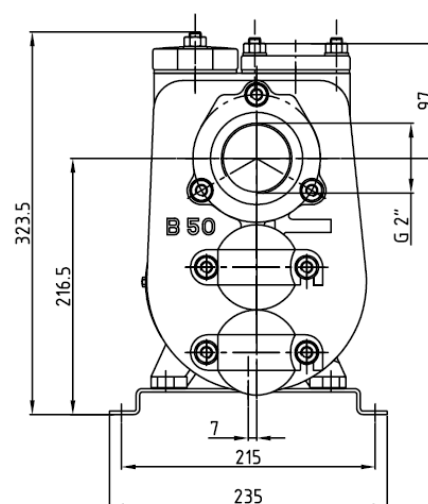
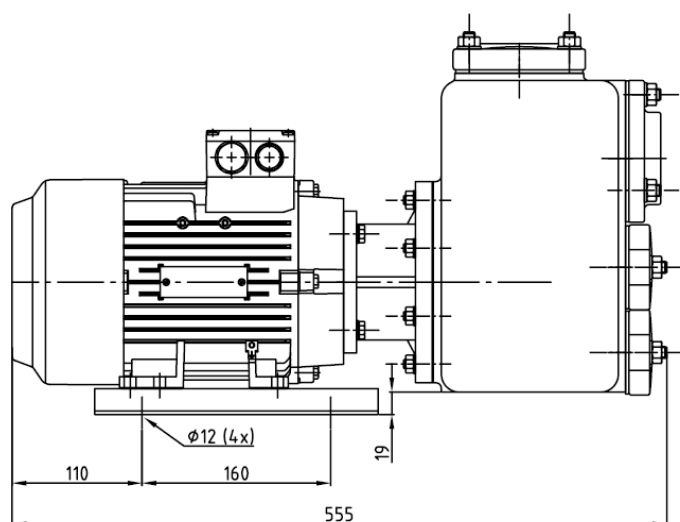
Model..... B50 BVGMC
Max. flow..... 35 m³/hour
Max. head 18 mwc
Free passage..... 25 mm
Pump speed..... 2850 rpm
Connections..... 2" BSP

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..... Cast iron GG25 – 0.6025
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
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T PTFE: Teflon
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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





B70 Electric Drive
Self-Priming Centrifugal Pump
Max. 82 m³/hour, Max. 20 mwc



Pump specifications:

Type.....	B70 BVGMC
Max. flow	82 m ³ /hour
Max. head.....	20 mwc
Materials	Cast iron
Connections.....	3" BSP
Free passage.....	22 mm
Pump speed	2850 rpm
Electric motor.....	4 kW - 2 pole
Voltage	400/690V
Assembly	Monobloc
Weight (net)	60 kg

FEATURES

B self-priming centrifugal pump

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Design features

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

Fields of application

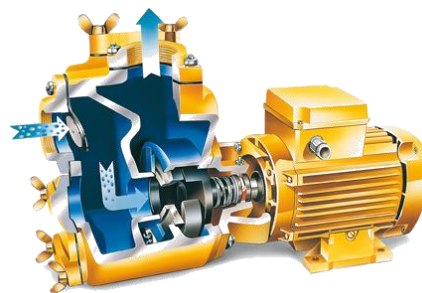
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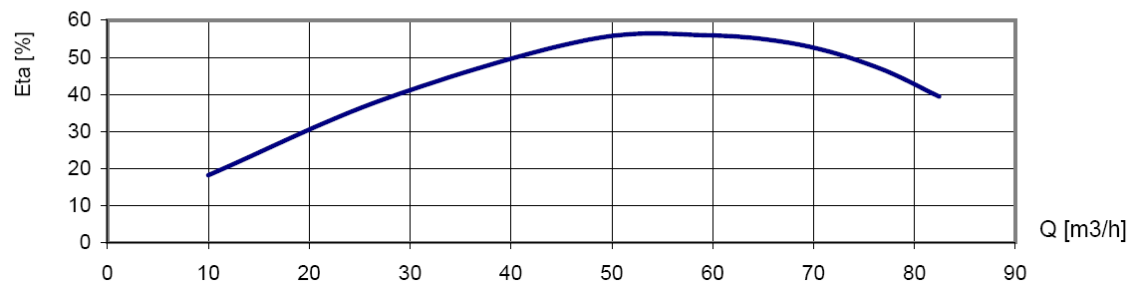
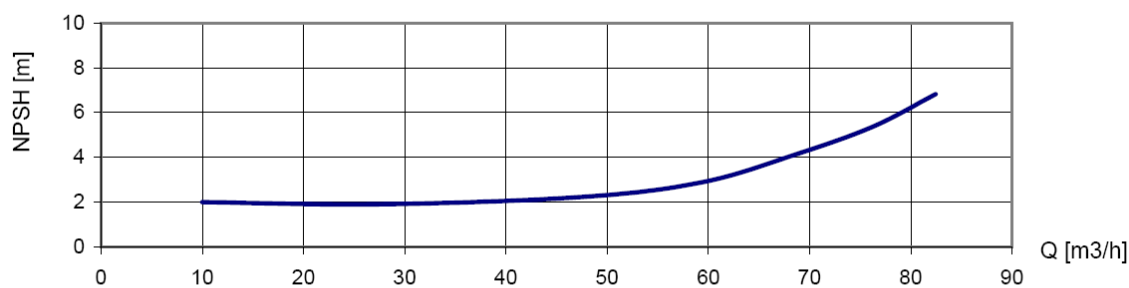
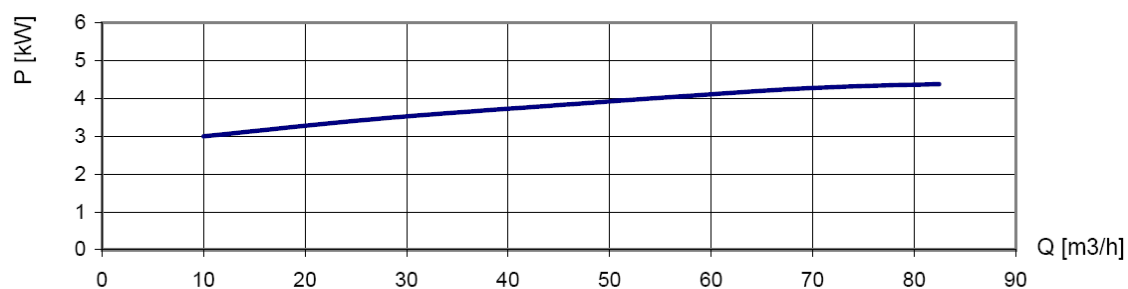
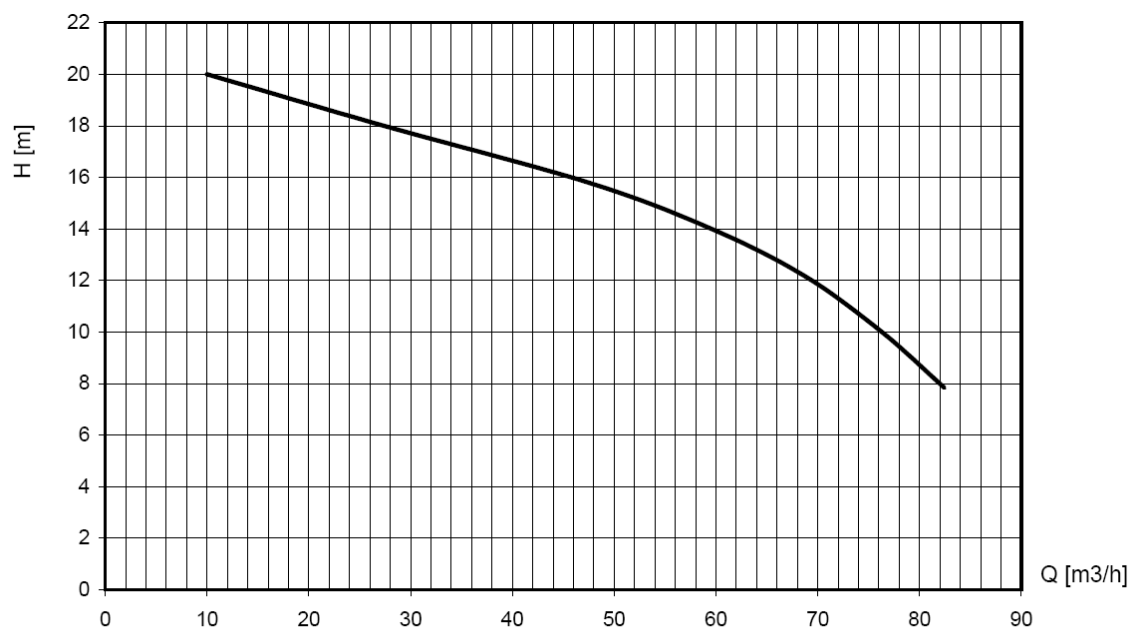
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PERFORMANCE CURVES (2850 RPM)

Continuous duty according ISO 9906





B70 Electric Drive
Self-Priming Centrifugal Pump
Max. 82 m³/hour, Max. 20 mwc

STANDARD TECHNICAL SPECIFICATIONS

BBA centrifugal pump

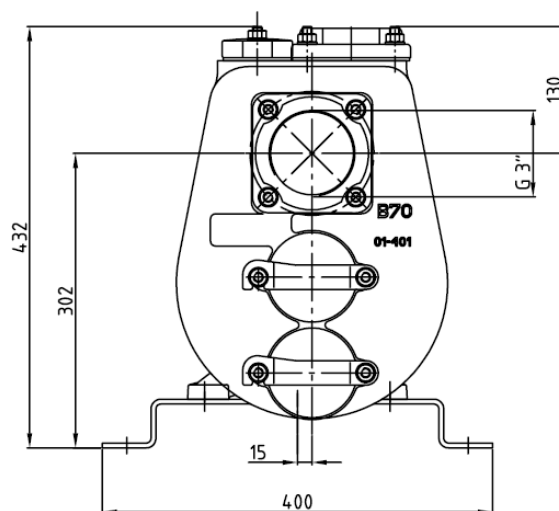
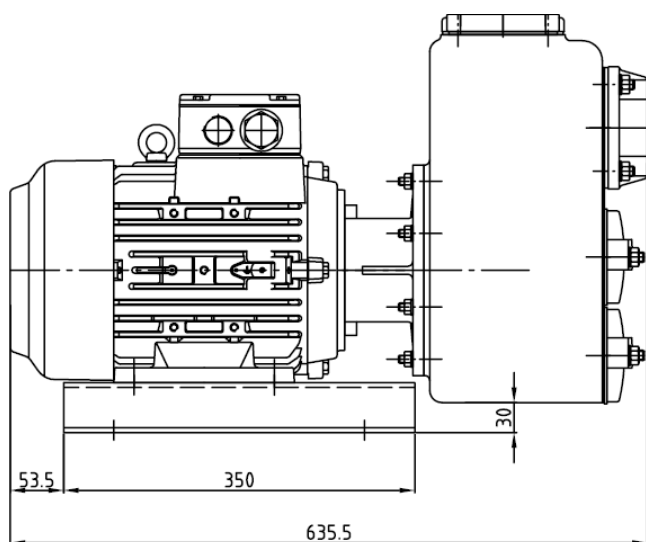
Model..... B70 BVGMC
Max. flow..... 82 m³/hour
Max. head..... 20 mwc
Free passage..... 22 mm
Pump speed..... 2850 rpm
Connections..... 3" BSP

Electric motor

Power..... 4 kW – 2 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 GG20 – 0.6020
Shaft seal Mechanical seal
Seal faces Sic / Sic / Viton
Pump shaft..... Steel C45 – 1.1191
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60Hz.... Motor 440V – 60Hz

