B85 Electric Drive
Self-Priming Centrifugal Pump
Max. 90 m^3/hour, Max. 16 mwc

Pump specifications:

Type	B85 BVGMC
Max. flow	90 m^3/hour
Max. head	16 mwc
Connections	3" BSP
Impeller type	Open impeller
Free passage	40 mm
Pump speed	1450 rpm
Electric motor	5.5 kW - 4 pole
Voltage	400/690V
Assembly	Monobloc
Weight (net)	132 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

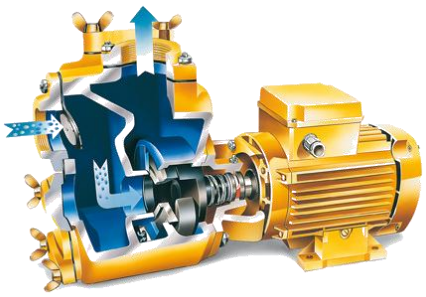
- Basic, reliable technology
- Large solids handling capacity
- Suitable for use with hot fluids
- Cooled shaft seal
- Extended life due to pump design

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

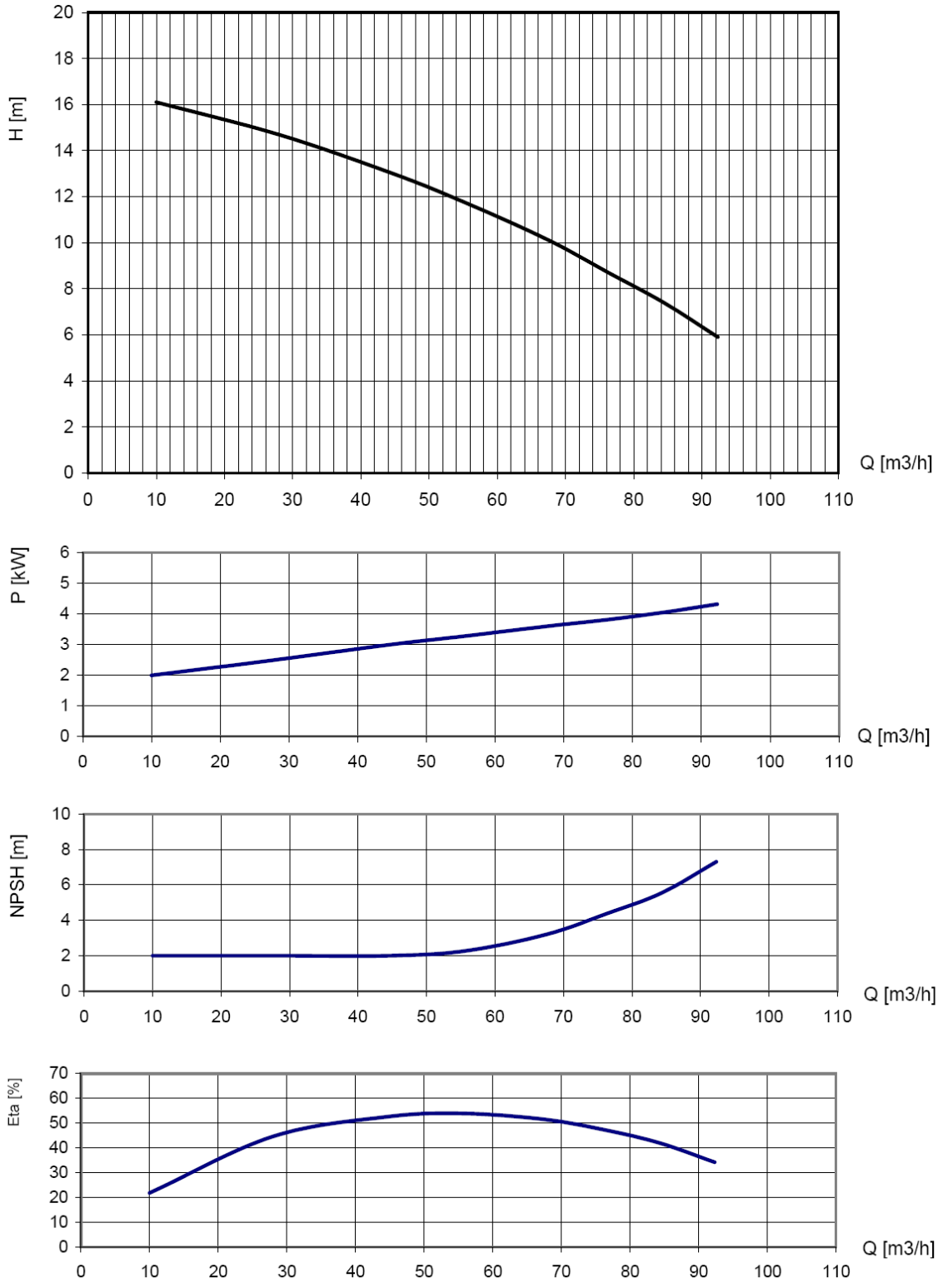
Fields of application

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



PERFORMANCE CURVES (1430 RPM)

Continuous duty according ISO 9906



PUMPS FROM HOLLAND

STANDARD TECHNICAL SPECIFICATIONS

BBA centrifugal pump

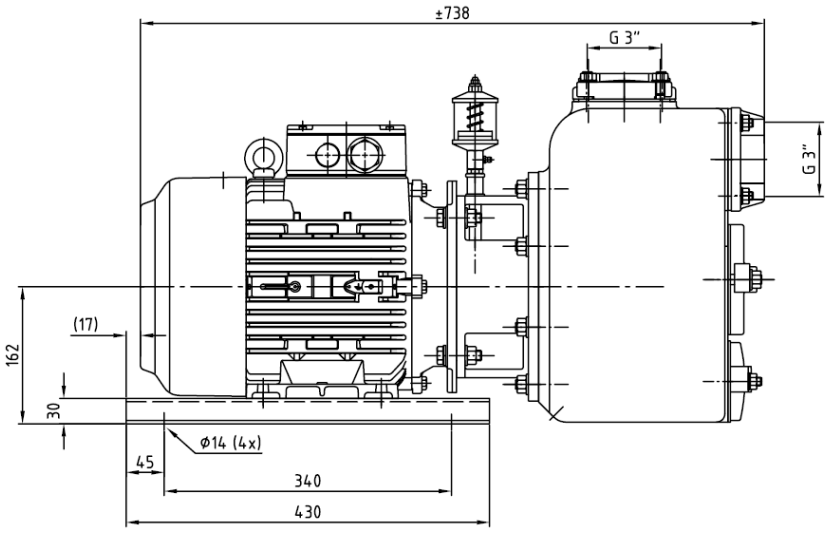
Model ..... B85 BVGMC
Max. flow ..... 90 m³/hour
Max. head ..... 16 mwc
Free passage ..... 40 mm
Pump speed ..... 1450 rpm
Connections ..... 3" BSP

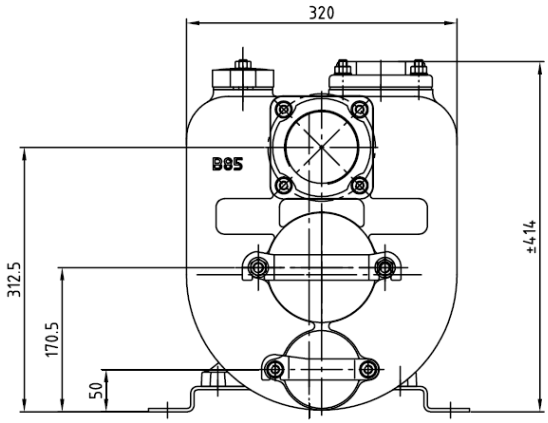
Electric motor

Power ..... 5.5 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





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