

# BBA self-priming centrifugal pumps

**Type: B 85S3 BVGMC**  
3" cast iron monobloc



## General:

The BBA self-priming centrifugal pump B 85S3 (3") is a robust centrifugal pump with flow capacity up to 92 m<sup>3</sup>/h, total head up to 57 m and solid handling of 17 mm.

The construction with open impeller, changeable wear plate and large cleaning covers enables to pump clean or polluted liquids. The pump in cast iron, bronze or stainless steel is used in a wide range of markets.



## Applications:

Marine, industry, construction, irrigation, waste water, agriculture and horticulture.

## Technical specification:

### Pump:

model : **B 85S3 BVGMC**  
max. flow : 92 m<sup>3</sup>/h  
max. head : 57 m  
impeller size : 219 mm  
free passage : 17 mm  
pump speed : 2900 rpm  
connections : 3" BSP

### Materials:

pump casing : cast iron GG 20 – 0.6020  
head : cast iron GG 20 – 0.6020  
wear plate : cast iron GG 20 – 0.6020  
impeller : cast iron GG 40 – 0.6040

### Electric drive:

motor power : 18.5 kW – 2 pole  
voltage : 3 ph 400/660 Volt  
motor execution : IP 55, ISO F  
assembly : monobloc  
weight : 194 kg

shaft seal : mechanical seal  
seal faces : sic / sic / viton  
pump shaft : steel C45 – 1.1191  
fixing material : steel 8.8 el. galvanised  
gaskets : NBR / Paper

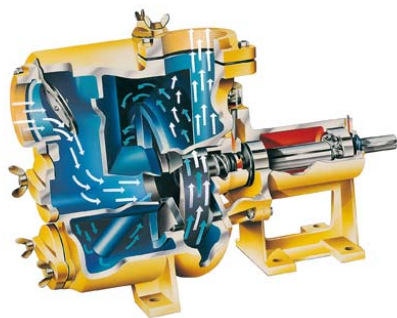
## Options B- series:

### Mechanical seals:

MG1 seal sic/sic/EPDM  
TW seal graphite /ceramic/nitril  
graphite /ceramic/nitril  
t. carbide/t. carbide/viton

### Gaskets:

NBR (Perbunan)  
Viton (FPM)  
EPDM  
Teflon (PTFE)



### Extras:

+F Din Flanges  
+FK Din Flanges s.s.316  
+BI impeller: bronze; shaft: s.s. 316  
+BII impeller-wear plate: bronze; shaft: s.s. 316  
+KI impeller-shaft: s.s. 316  
+KII impeller-wear plate-shaft: s.s. 316  
+P perma grease cartridge  
+VP grease glass (= including pump unit)  
+T trolley  
60 Hz motor 440 V – 60 Hz

**BBA Pumps BV**  
Edisonstraat 12, 7006 RD  
P.O. Box 498, 7000 AL  
Doetinchem

**Pumps for results**  
Tel. (+31) 314 36 84 36  
Fax. (+31) 314 37 84 03

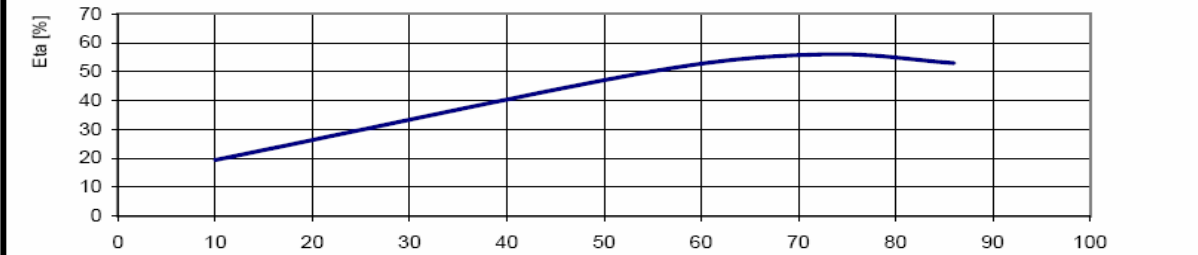
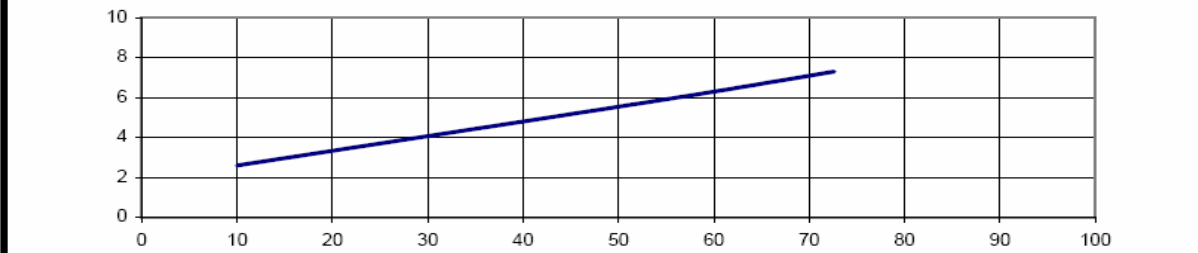
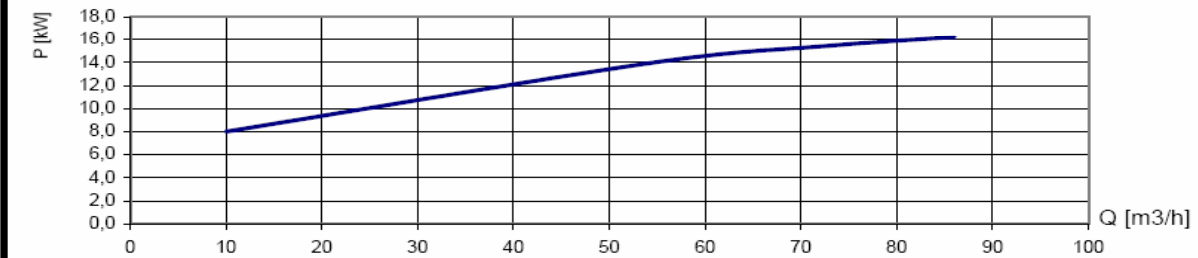
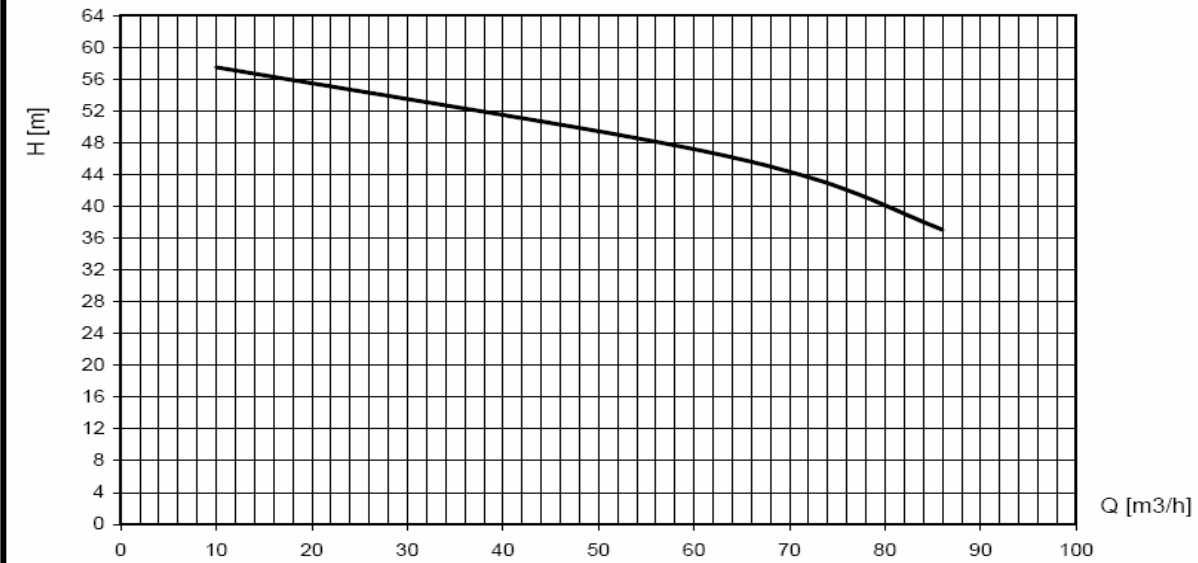
www.bbapumps.com  
info@bbapumps.com

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Pomptype / Pumpentyp / Pump type	: <b>B85 S3</b>
Toerental / Drehzahl / Speed	: <b>2925 rpm</b>
Waaier / Laufrad / Impeller	: <b>"open" 219 mm</b>
Slijtplaat / Verschleissplatte / Wear plate	: <b>+ ( 24,5 mm )</b>
Vrije doorlaat / Freier Durchgang / Free passage	: <b>17 mm</b>
Zuig / Saug / Suction	: <b>3"</b>
Pers / Druck / Discharge	: <b>3"</b>



International standard ISO 9906 Grafiek / Kennlinie / Curve: **2003072**

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