

BBA self-priming centrifugal pumps

Type: **B 85S3 BVGSMC**
3" cast iron pump unit



General:

The BBA self-priming centrifugal pump B 85S3 (3") is a robust centrifugal pump with flow capacity up to 92 m³/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 BVGSMC
max. flow	: 92 m ³ /h
max. head	: 57 m
impeller size	: 219 mm
free passage	: 17 mm
pump speed	: 2900 rpm
connections	: 3" BSP

Electric drive:

motor power	: 18.5 kW – 2 pole
voltage	: 3 ph 400/660 Volt
motor execution	: IP 55, ISO F
assembly	: with coupling and motor on a base frame
weight	: 274 kg

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

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:

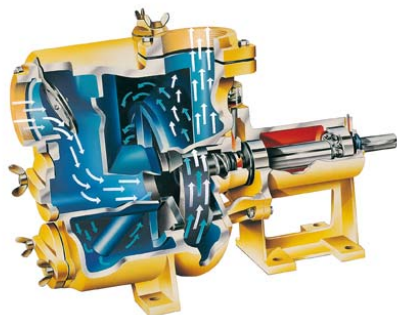
MG1 seal	sic/sic/EPDM
TW seal	graphite /ceramic/nitril
	graphite /ceramic/nitril
	t. carbide/t. carbide/viton

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
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Doetinchem

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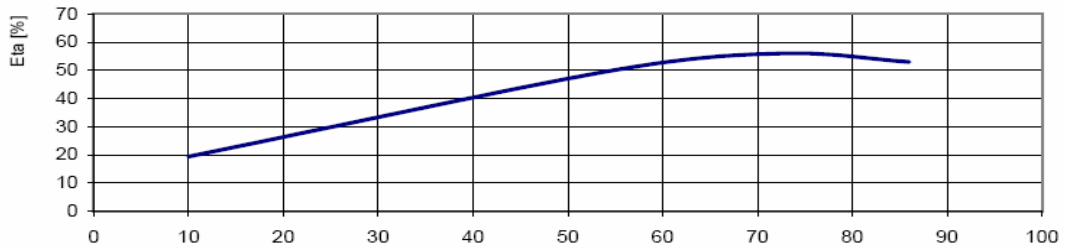
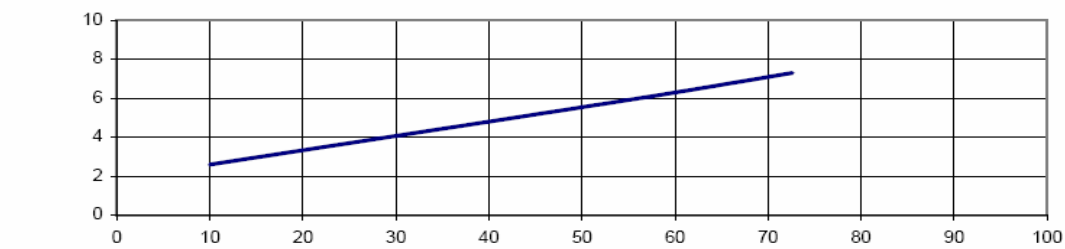
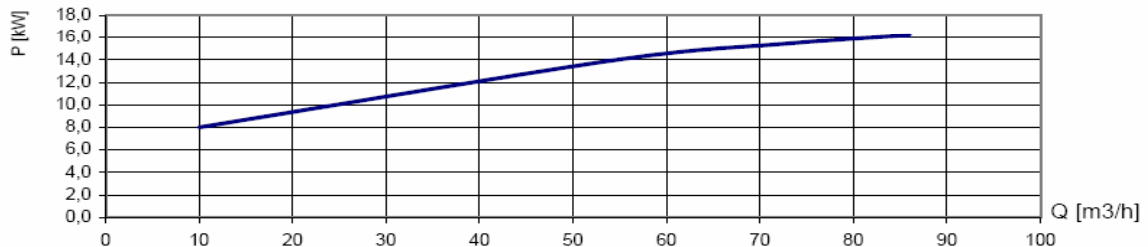
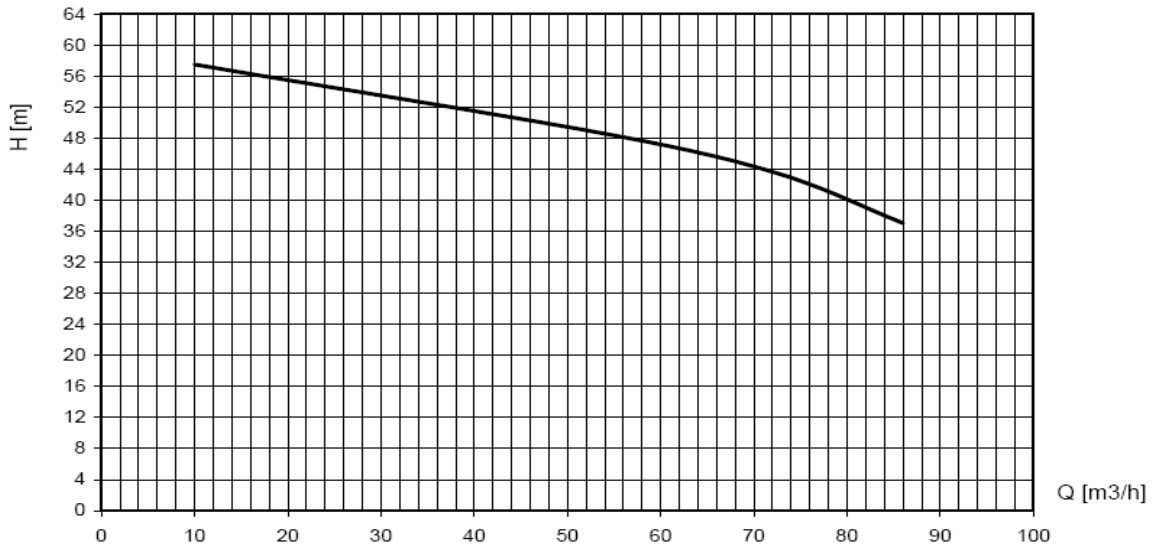
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Pomptype / Pumpentyp / Pump type	: B85 S3
Toerental / Drehzahl / Speed	: 2925 rpm
Waaier / Laufrad / Impeller	: "open" 219 mm
Slijtplaat / Verschleissplatte / Wear plate	: + (24,5 mm)
Vrije doorlaat / Freier Durchgang / Free passage	: 17 mm
Zuig /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



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

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