

# BBA self-priming centrifugal pumps



**Type: B 45 BVGNMC**  
1½" cast iron Normbloc

## General:

The BBA self-priming centrifugal pump B 45 (1½") is a robust centrifugal pump with flow capacity up to 22 m<sup>3</sup>/h, total head up to 31 m and solid handling of 10 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 45 BVGNMC**  
max. flow : 22 m<sup>3</sup>/h  
max. head : 31 m  
impeller size : 170 mm  
free passage : 10 mm  
pump speed : 2900 rpm  
connections : 1½" BSP

### Electric drive:

motor power : 2.2 kW – 2 pole  
voltage : 3 ph 230/400 Volt  
motor execution : B3, IP 55, ISO F  
assembly : Normbloc  
weight : 49 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 25 – 0.6025

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)



(this picture doesn't represent the described model)

### 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  
+M extra cutting knife  
+P Perma grease cartridge  
+VP Grease glass  
+T Trolley  
60 Hz motor 440 V – 60 Hz

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