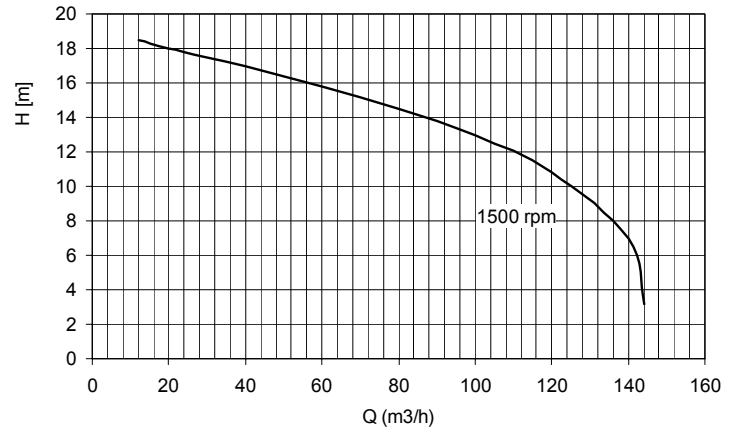


BBA self priming centrifugal pumps



Type: **B 100 SHA GL**

4" diesel driven in a sound absorbing canopy



General:

The BBA self priming centrifugal pump B 100 (4") is a robust compact contractor pump for handling clean or polluted liquids with flow capacity up to 144 m³/h, total head up to 19 m and solid handling of 46 mm.

The construction with open impeller, changeable wear plate and large cleaning covers enables to pump clean or polluted liquids. The mechanical seal is grease lubricated and guarantees a good performance of the pump. This pump can run dry for certain period and needs no food valve for priming up.

Built together with a diesel engine the noise level will be 60 dBa at 10m. Suitable to operate even in residential areas.

Applications:

This pump system is used for: marine, industry, irrigation, waste water, agriculture and horticulture

Technical specifications:

Centrifugal pump:

impeller type	: open impeller
flow max	: 144 m ³ /h
head max	: 19 m
impeller size	: 254 mm
free passage	: 46 mm
req. power	: 7,5 kW
pump speed	: 1500 rpm
max speed	: 1500 rpm
connections	: 4" BSP

Materials:

pump casing	: cast iron GG 20 – 0.6020
impeller	: cast iron GG 20 – 0.6020
wear plate	: cast iron GG 20 – 0.6020
impeller	: cast iron GG 40 – 0.6040
pump shaft	: steel C45 - DIN 1.1191
gaskets	: NBR
fixing material	: steel 8.8 el. galvanized

shaft seal	: mechanical seal
seal faces	: T.C. / T.C.
O ring	: Viton

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Type: **B 100 SHA GL**

4" diesel driven in a sound absorbing canopy

Diesel drive:

diesel motor : Hatz 2M41
cooling : air cooled
cylinder : 2 cylinder
motor power : 14,8 kW at 1500 rpm
start : electric start, 12 V
fuel consumption : max 2,0 l/h
fuel tank : 300 liter (150 running hrs)
assembly : pump unit in a galvanized canopy with E-slide® system, lockable doors, PE fuel tank
noise level : 60 dBa at 10 m

Dimensions:

l x w x h : 2500 x 1200 x 1900 mm
weight : 1850 kg



Optional:

trailer mounted:

pump unit on a 4 wheel fast tow trailer



E-slide® system

How it works:



The rotation of the impeller draws the air present in the suction pipe into the pump casing. The air mixes with the liquid. Liquid and air are transported to the discharge side. The heavier liquid falls back and the air leaves the pump through the discharge outlet. When all the air has been removed from the suction pipe the pump draws the liquid. The built in non-return valve at the suction side prevents the pump casing from being siphoned empty when the pump stops. So immediate re-prime is always possible.

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