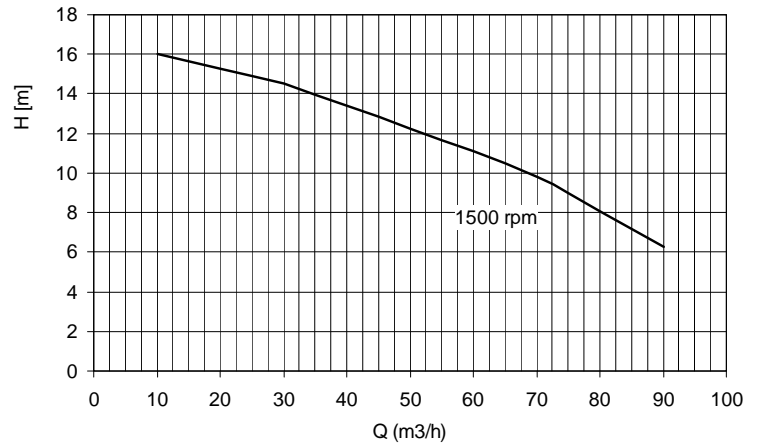


BBA self priming centrifugal pumps



Type: **B 85 HA+T**
3" diesel driven trolley mounted



General:

The BBA self priming centrifugal pump B 85 (3") is a robust compact contractor pump for handling clean or polluted liquids with flow capacity up to 90 m³/h, total head up to 16 m and solid handling of 40 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 foot valve for priming up.

The diesel driven B pump on a trailer is suitable for site work application. Built together with a diesel engine the noise level will be 77 dBa at 10m.

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	: 90 m ³ /h
head max	: 16 m
impeller size	: 219 mm
free passage	: 40 mm
req. power	: 4,2 kW
pump speed	: 1500 rpm
max speed	: 1500 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
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 85 HA+T

3" diesel driven trolley mounted

Diesel drive:

diesel motor : Hatz 1D81Z
cooling : air cooled
cylinder : 1 cylinder
motor power : 5,0 kW at 1500 rpm
start : crank start
fuel consumption : max 1,2 l/h
fuel tank : 5 liter (4 running hrs)
assembly : compact unit mounted
on 2 wheel trolley
noise level : 77 dBa at 10 m

Dimensions:

l x w x h : 1100 x 600 x 800 mm
weight : 150 kg



Optional:

electric start

electric start with 12 V battery, start box and wiring.



100 liter tank frame

enlarged fuel tank



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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