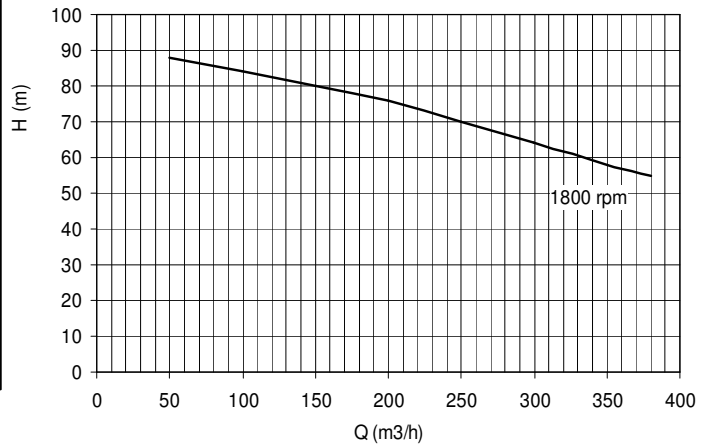


# BBA auto prime contractor pumps



**Type: BA-C 150H41 D406 VO GL**  
4" diesel driven in a sound absorbing canopy



## General:

The BBA auto prime contractor pump BA-C150 H41 D406 is a high robust dieselmotor pumpset with a flow capacity up to 380 m<sup>3</sup>/h, total head up to 88 m and solid handling of 35 mm. It combines an extremely high efficient centrifugal pump and state-of-the-art dieselmotor pump design. The reliable and simple operated BBA vacuum pump with mechanic float box enables a suction lift up to 8 m. The patented Cyclo-seal system makes the pump suitable for continuous use even in intermediate flow situations. The diesel driven BA-C pump in a sound absorbing canopy results in a noise level of 60 dBa at 10m.

Suitable to operate even in residential areas. With the **E-slide®** system the pump unit can easily moved out of the canopy for quick inspection or maintenance purpose. The high efficient BA-C pumps fully meet today's requirements on low energy and maintenance costs.

## Applications:

This multi purpose pump system is used for general construction, site-dewatering and as emergency pump.

## Technical specifications:

### Centrifugal pump:

impeller type : closed impeller  
flow max : 380 m<sup>3</sup>/h  
head max : 88 m  
impeller size : 406 mm  
free passage : 35 mm  
req. power : 106 kW  
pump speed : 1800 rpm  
max speed : 1800 rpm  
connections : suction DN 200  
: discharge DN 100

### Materials:

pump casing : cast iron GGG 70  
impeller : bronze  
pump shaft : steel SAE 1144  
shaft seal : mechanical seal  
seal faces : tungsten carbide /  
silicium carbide  
O ring : Viton

### Vacuum pump:

pump type : diaphragm  
air capacity : 50 m<sup>3</sup>/h  
max vacuum : 8 m  
drive : tooth-belt driven

### Materials:

diaphragm : NBR  
valves : NBR  
float box : aluminium coated  
floater : stainless steel 1.4301  
non return valve : cast iron GG 25

## BBA Pumps BV

Edisonstraat 12, 7006 RD  
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## Pumps for results

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info@bbapumps.com

# BBA auto prime contractor pumps



**Type: BA-C 150H41 D406 VO GL**  
4" diesel driven in a sound absorbing canopy

## Diesel drive:

diesel motor : Volvo TAD650VE  
cooling : air to air intercooling  
cylinder : 6 cylinder  
motor power : 122 kW at 1800 rpm  
start : electric 12 V incl. hour counter  
fuel tank : 300 liter  
assembly : in a galvanized canopy,  
lockable doors,  
oil-water separator  
noise level : 60 dBA at 10 m

## Dimensions:

l x w x h : 4000 x 1210 x 1960 mm



## Optional:

### auto level control:

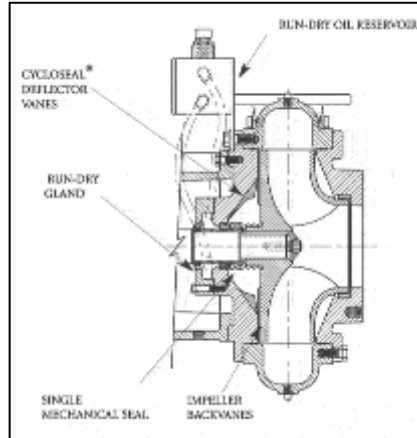
automatic start-stop device  
with two float switches  
auto-O-manual, incl. hour counter



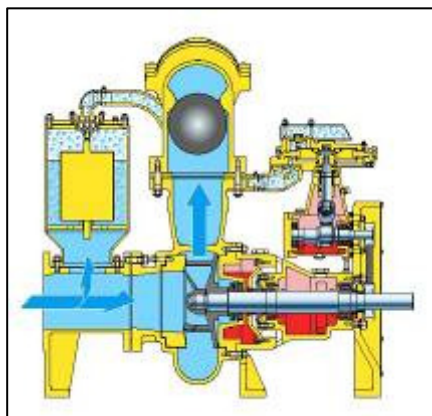
## Standard:

### Cycloseal ®

The cycloseal creates a Cyclo-action, which removes materials from the seal area, extending seal life and eliminating any need for venting or water flushing



## Working principle:



The vacuum diaphragm pump primes the air from the suction side. A non return valve in the discharge side prevents priming from this side. As soon as the water is primed, the floater closes the connection to the vacuum pump. The highly efficient centrifugal pump starts pumping.

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Pomptype / Pumpentyp / Pump type : BA-C 150H41D406

Toerental / Drehzahl / Speed : 1800rpm

Waaier / Laufrad / Impeller : 406mm

Slijtplaat / Verschleissplatte / Wear plate : -

Vrije doorlaat / Freier Durchgang / Free passage : 35mm

Zuig / Saug / Suction : DN200

Pers / Druck / Discharge : DN100

