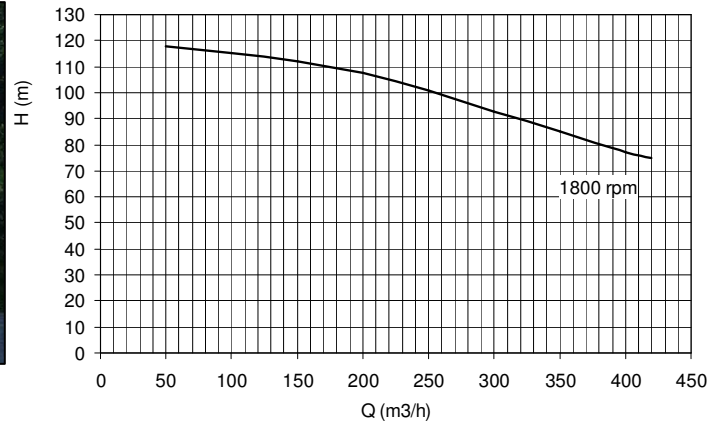


# BBA auto prime contractor pumps



**Type: BA-C 150H41 D457 VO GL**  
4" diesel driven in a sound absorbing canopy



## General:

The BBA auto prime contractor pump BA-C 150H41 D457 is a high robust diesel motor pumpset with a flow capacity up to 420 m<sup>3</sup>/h, total head up to 118 m and solid handling of 35 mm. It combines an extremely high efficient centrifugal pump and state-of-the-art diesel motor 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 be moved out of the canopy for quick inspection or maintenance purposes. 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 an emergency pump.

## Technical specifications:

### Centrifugal pump:

impeller type : closed impeller  
 flow max : 420 m<sup>3</sup>/h  
 head max : 118 m  
 impeller size : 457 mm  
 free passage : 35 mm  
 req. power : 155 kW  
 pump speed : 1800 rpm  
 max speed : 1800 rpm  
 connections : suction DN 200  
                   : discharge DN 100

### Materials:

pump casing : cast iron GG 30  
 impeller : cast iron GG 30  
 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 auto prime contractor pumps



**Type: BA-C 150H41 D457 VO GL**  
4" diesel driven in a sound absorbing canopy

## Diesel drive:

diesel motor : Volvo TAD750VE  
cooling : air to air intercooling  
cylinder : 6 cylinder  
motor power : 176 kW at 1800 rpm  
start : electric 12 V incl. hour counter  
fuel tank : 300 liter  
assembly : pump outside on a frame,  
engine in a galvanized  
canopy, lockable doors,  
oil-water separator  
noise level : 60 dBa at 10 m

## Dimensions:

l x w x h : 4500 x 1500 x 2510 mm



## Optional:

### auto level control:

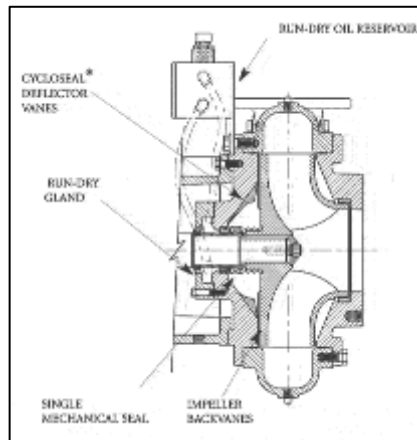
automatic start-stop device  
with two float switches  
auto-O-manual, incl. hour counter



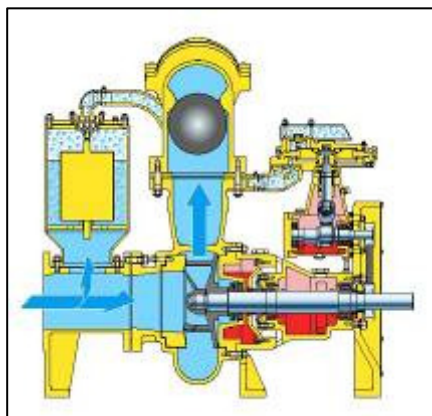
## Standard:

### 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.

**BBA Pumps BV**  
Edisonstraat 12, 7006 RD  
P.O. Box 498, 7000 AL  
Doetinchem

**Pumps for results**  
Tel. (+31) 314 36 84 36  
Fax. (+31) 314 37 84 03

[www.bbapumps.com](http://www.bbapumps.com)  
[info@bbapumps.com](mailto:info@bbapumps.com)

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

Toerental / Drehzahl / Speed : 1800rpm

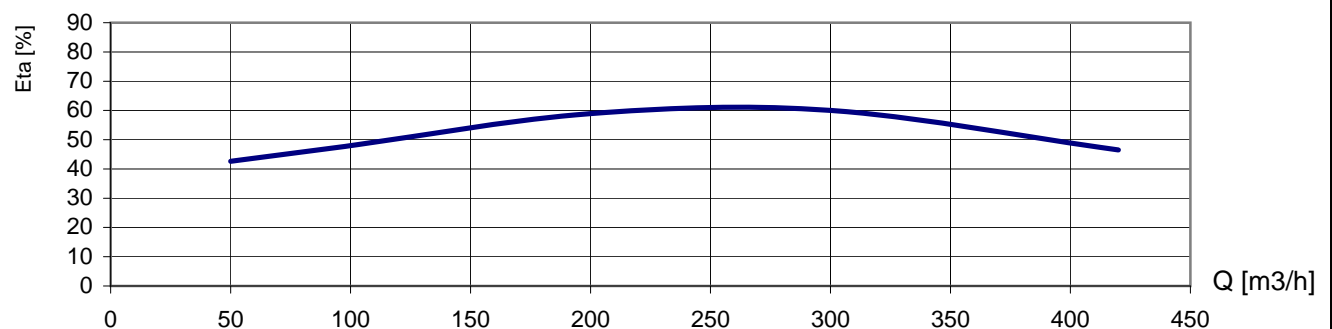
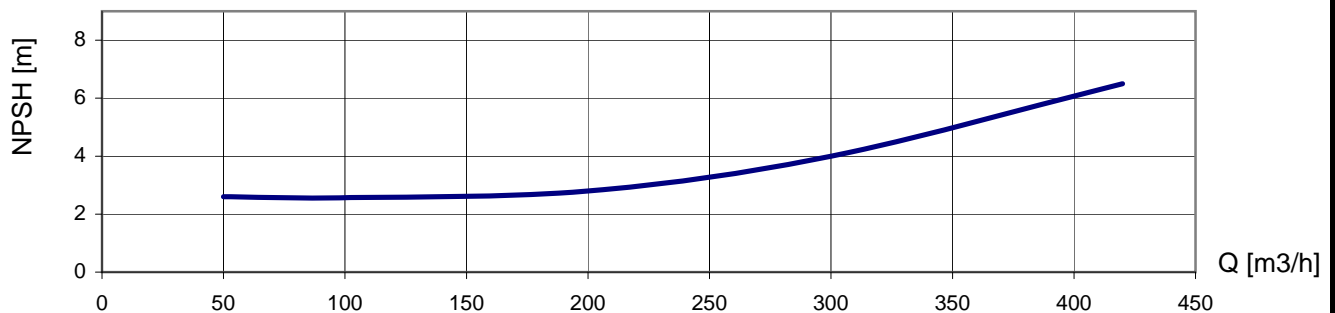
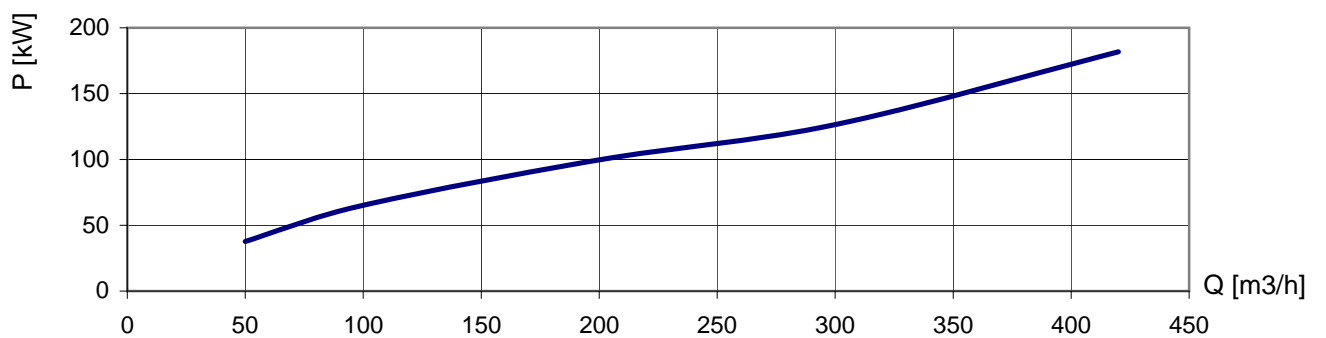
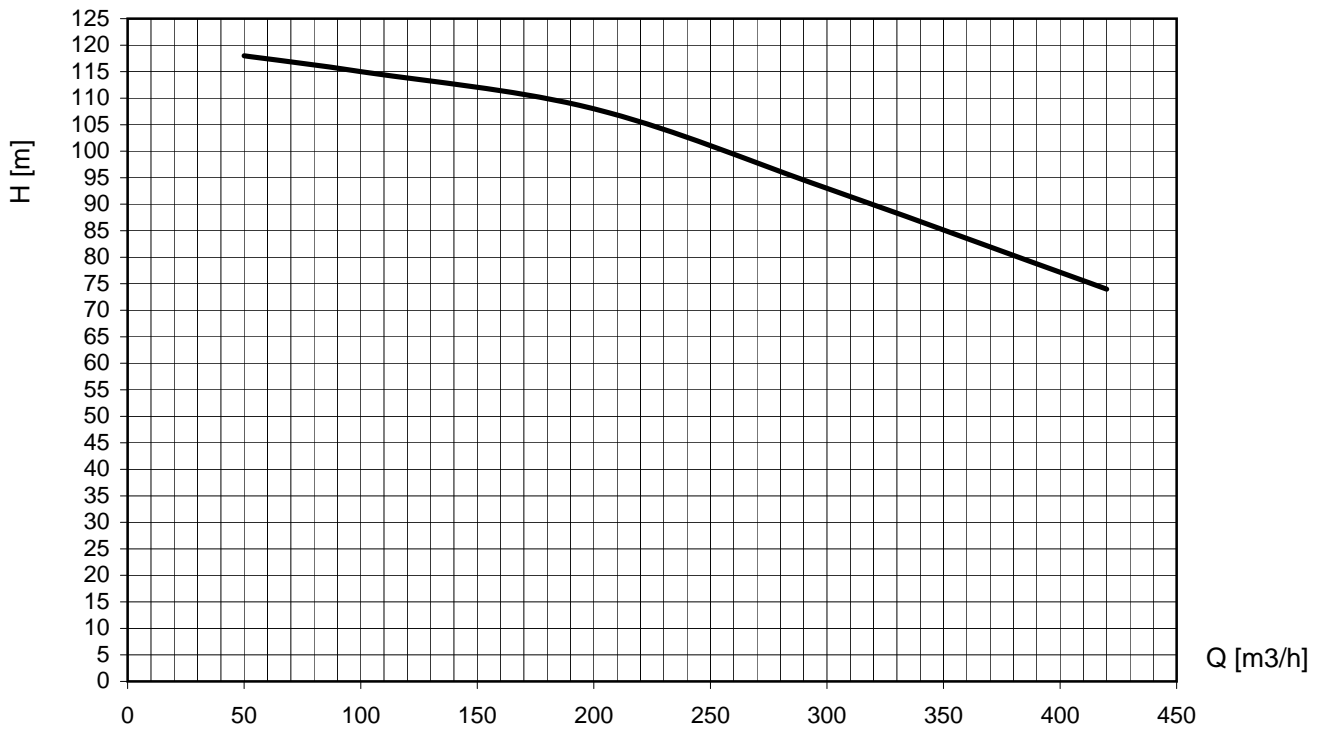
Waaier / Laufrad / Impeller : 457mm

Slijtplaat / Verschleissplatte / Wear plate : -

Vrije doorlaat / Freier Durchgang / Free passage : 35mm

Zuig / Saug / Suction : DN200

Pers / Druck / Discharge : DN100



Pomptype / Pumpentyp / Pump type

: BA-C 150H41D457

Toerental / Drehzahl / Speed

: 1800rpm / 18"

Waaier / Laufrad / Impeller

: 457mm

Slijtplaat / Verschleissplatte / Wear plate

: -

Vrije doorlaat / Freier Durchgang / Free passage

: 35mm / 1¼"

Zuig / Saug / Suction

: DN200

Pers / Druck / Discharge

: DN100

