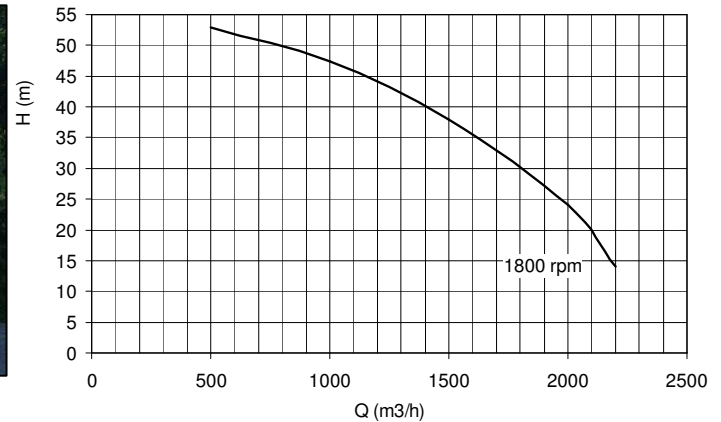


# BBA auto prime contractor pumps



**Type: BA-C 300S9 D356 VO GL**  
12" diesel driven in a sound absorbing canopy



## General:

The BBA auto prime contractor pump BA-C 300S9 D356 is a high robust dieselmotor pumpset with a flow capacity up to 2200 m<sup>3</sup>/h, total head up to 55 m and solid handling of 76 mm. It combines an extremely high efficient centrifugal pump and state-of-the-art dieselmotorpump 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 sewage water by-passing, general construction, site-dewatering and as emergency pump.

## Technical specifications:

### Centrifugal pump:

impeller type : channel impeller  
 flow max : 2200 m<sup>3</sup>/h  
 head max : 55 m  
 impeller size : 356 mm  
 free passage : 76 mm  
 req. power : 183 kW  
 pump speed : 1800 rpm  
 max speed : 1800 rpm  
 connections : suction DN 300  
                   : discharge DN 300

### Materials:

pump casing : cast iron GG 20  
 impeller : cast iron GG 20  
 pump shaft : steel SAE 1144  
 shaft seal : mechanical seal Cyclo seal  
 seal faces : tungsten carbide /  
                   silicium carbide  
 O ring : Viton

### Vacuum pump:

pump type : diaphragm  
 air capacity : 100 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 300S9 D356 VO GL**

12" diesel driven in a sound absorbing canopy

## Diesel drive:

diesel motor : Volvo TAD952VE  
cooling : liquid cooled  
cylinder : 6 cylinder  
motor power : 234 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 : 5000 x 1500 x 1510 mm



## Optional:

### auto level control:

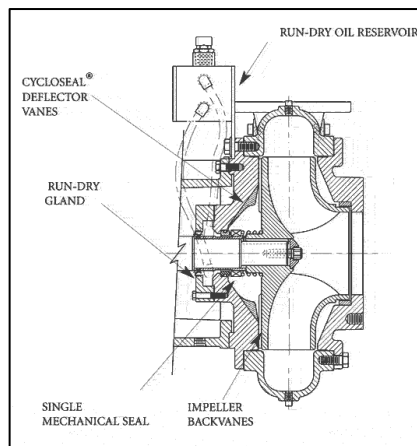
automatic start-stop device  
with two float switches  
auto-O-manual, incl. hour counter



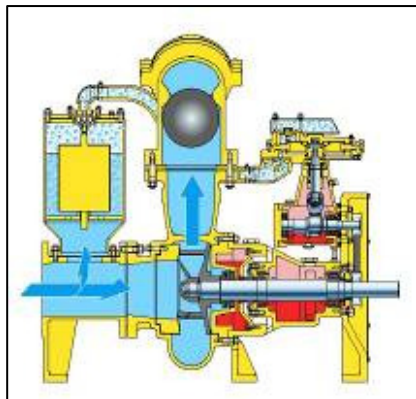
## Standard:

### 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 300S9D356

Toerental / Drehzahl / Speed : 1800rpm

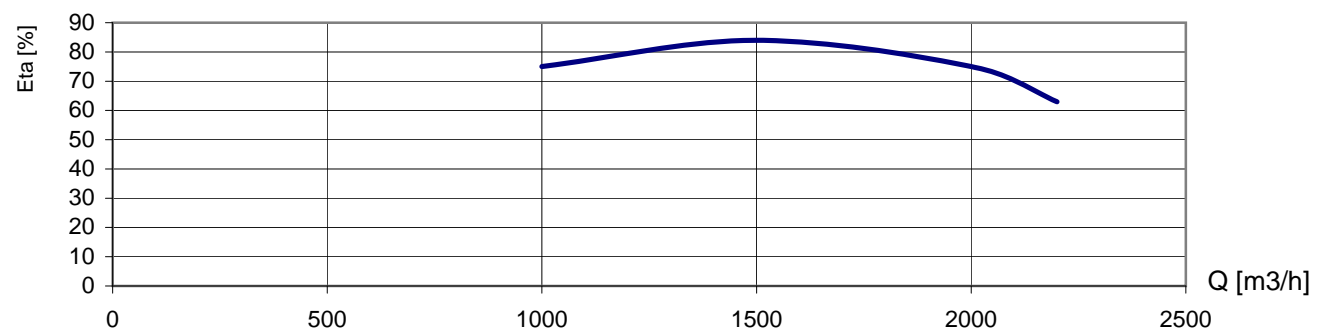
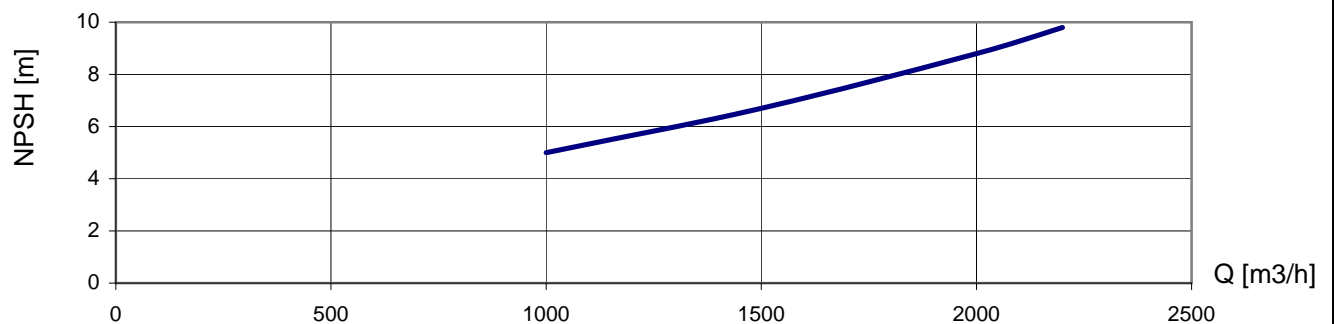
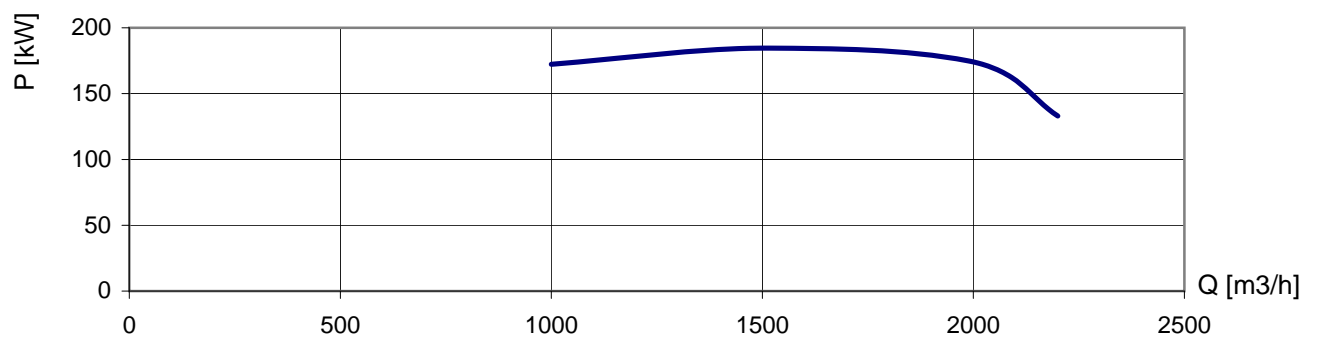
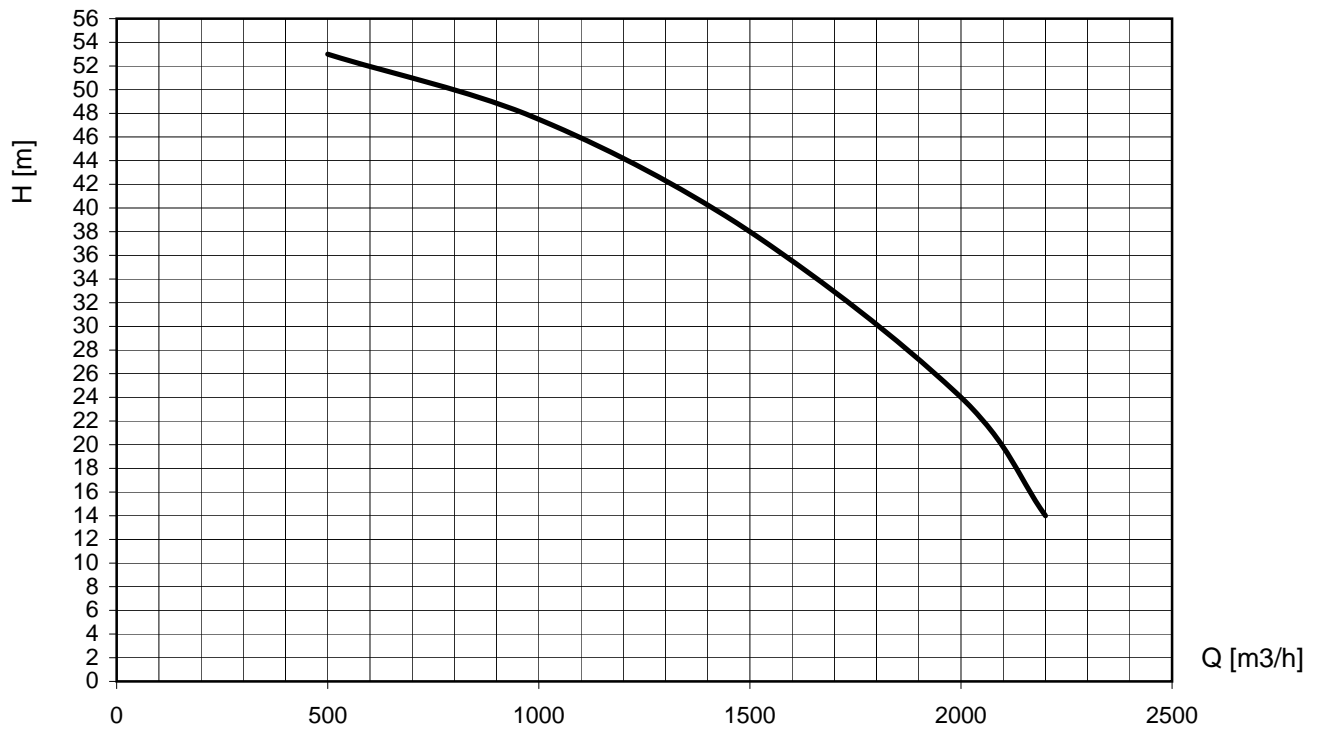
Waaier / Laufrad / Impeller : 356mm

Slijtplaat / Verschleissplatte / Wear plate : -

Vrije doorlaat / Freier Durchgang / Free passage : 76mm

Zuig / Saug / Suction : DN300

Pers / Druck / Discharge : DN300



Pomptype / Pumpentyp / Pump type : BA-C 300S9D356

Toerental / Drehzahl / Speed : 1800rpm  
Waaier / Laufrad / Impeller : 356mm / 14"  
Slijtplaat / Verschleissplatte / Wear plate : -  
Vrije doorlaat / Freier Durchgang / Free passage : 76mm / 3"  
Zuig / Saug / Suction : DN300  
Pers / Druck / Discharge : DN300

