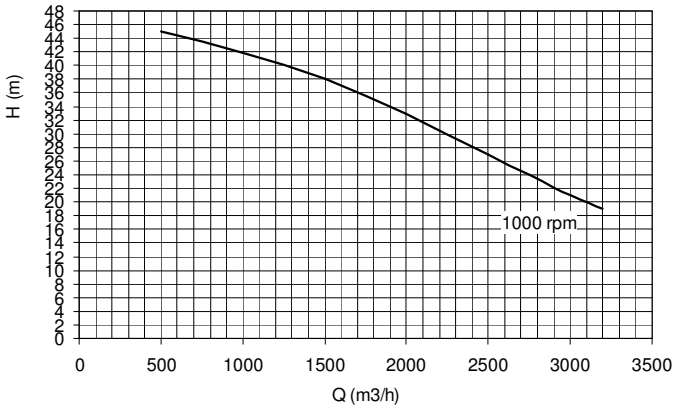
BBA auto prime contractor pumps

Type: BA-C 400S8 D559 VO GL
16” diesel driven in a sound absorbing canopy



General:

The BBA auto prime contractor pump BA-C 400S8 D559 is a high robust dieselmotor pumpset with a flow capacity up to 3200 m3/h, total head up to 49 m and solid handling of 114 mm. It combinates 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	: 3200 m3/h
head max	: 49 m
impeller size	: 559 mm
free passage	: 114 mm
req. power	: 221 kW
pump speed	: 1000 rpm
max speed	: 1000 rpm
connections	: suction DN 350
	: discharge DN 350

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 m3/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

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BBA auto prime contractor pumps

Type: BA-C 400S8 D559 VO GL

16” 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:

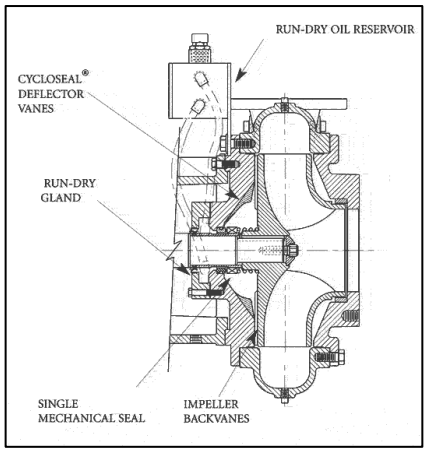
l x w x h : 5000 x 1500 x 2510 mm

Optional:

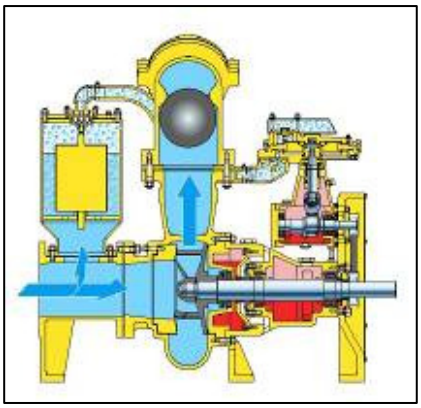
auto level control:
automatic start-stop device
with two float switches
auto-O-manual, incl. hour counter

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.

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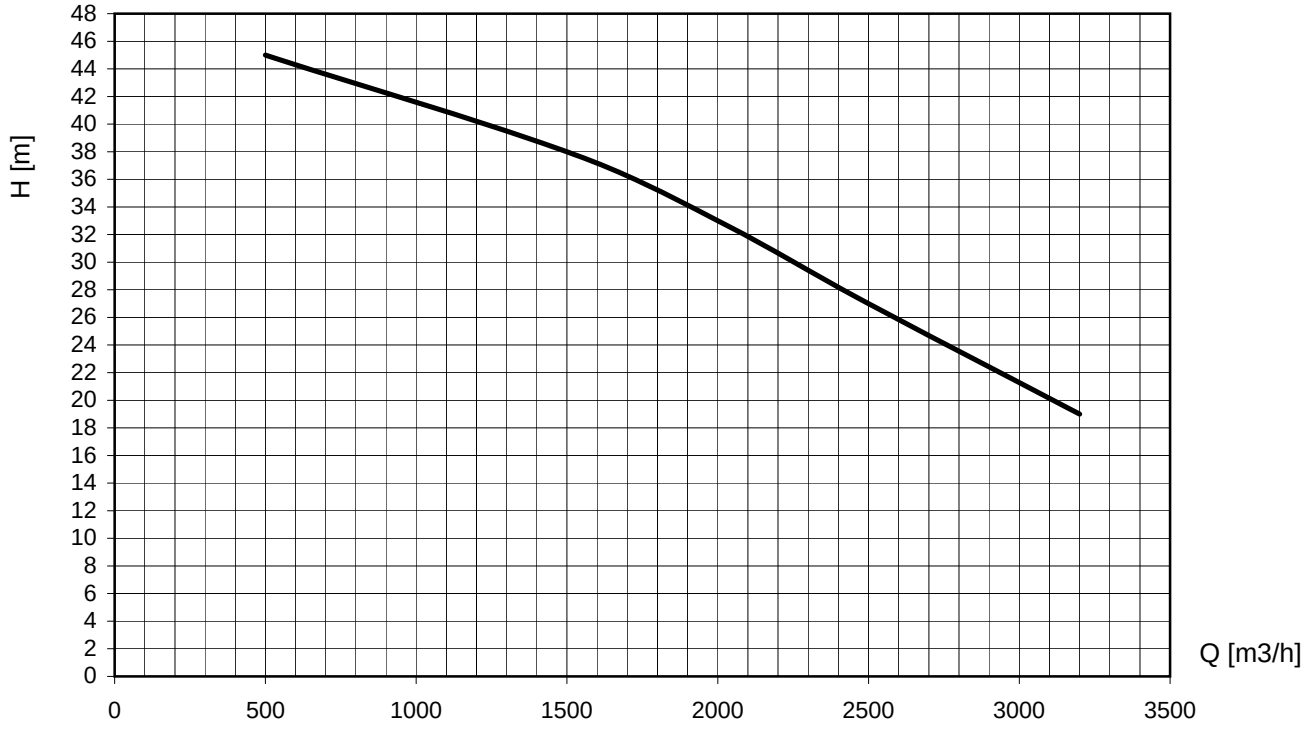
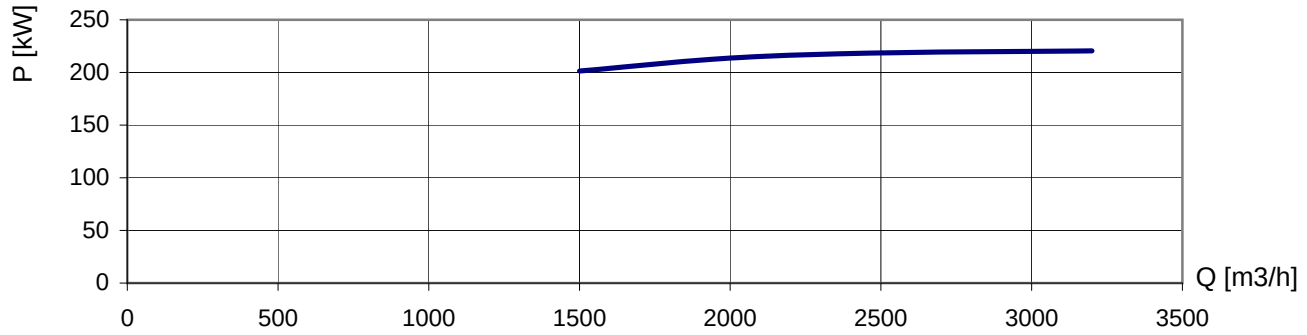
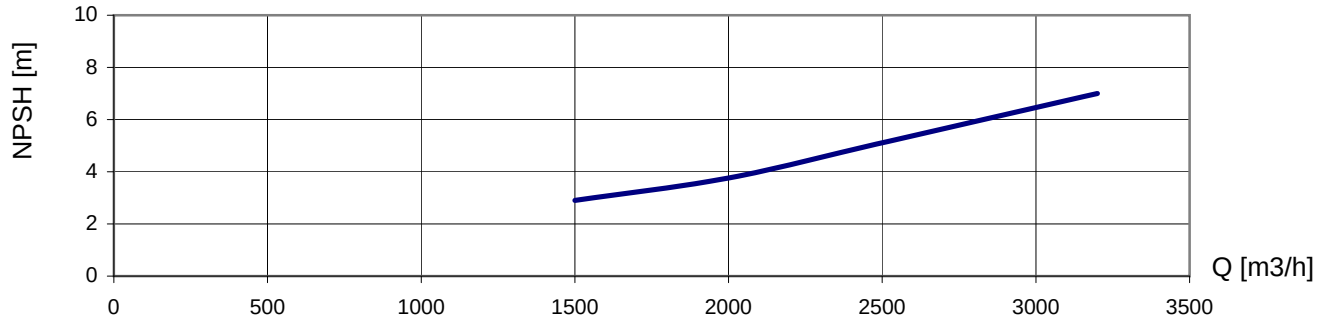
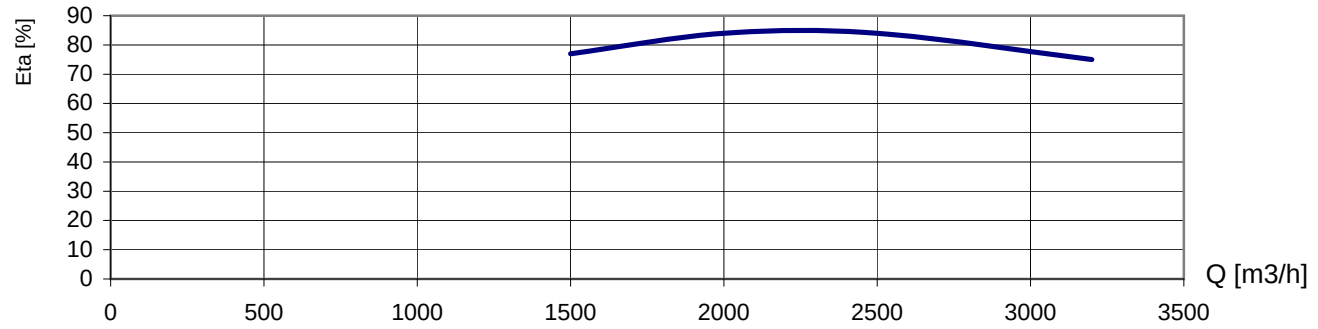
Pomptype / Pumpentyp / Pump type	**: BA-C 400S8D559**
Toerental / Drehzahl / Speed	: **1000rpm**
Waaier / Laufrad / Impeller	: **559mm**
Slijtplaat / Verschleissplatte / Wear plate	: **-**
Vrije doorlaat / Freier Durchgang / Free passage	: **114mm**
Zuig / Saug / Suction	: **DN350**
Pers / Druck / Discharge	: **DN350**



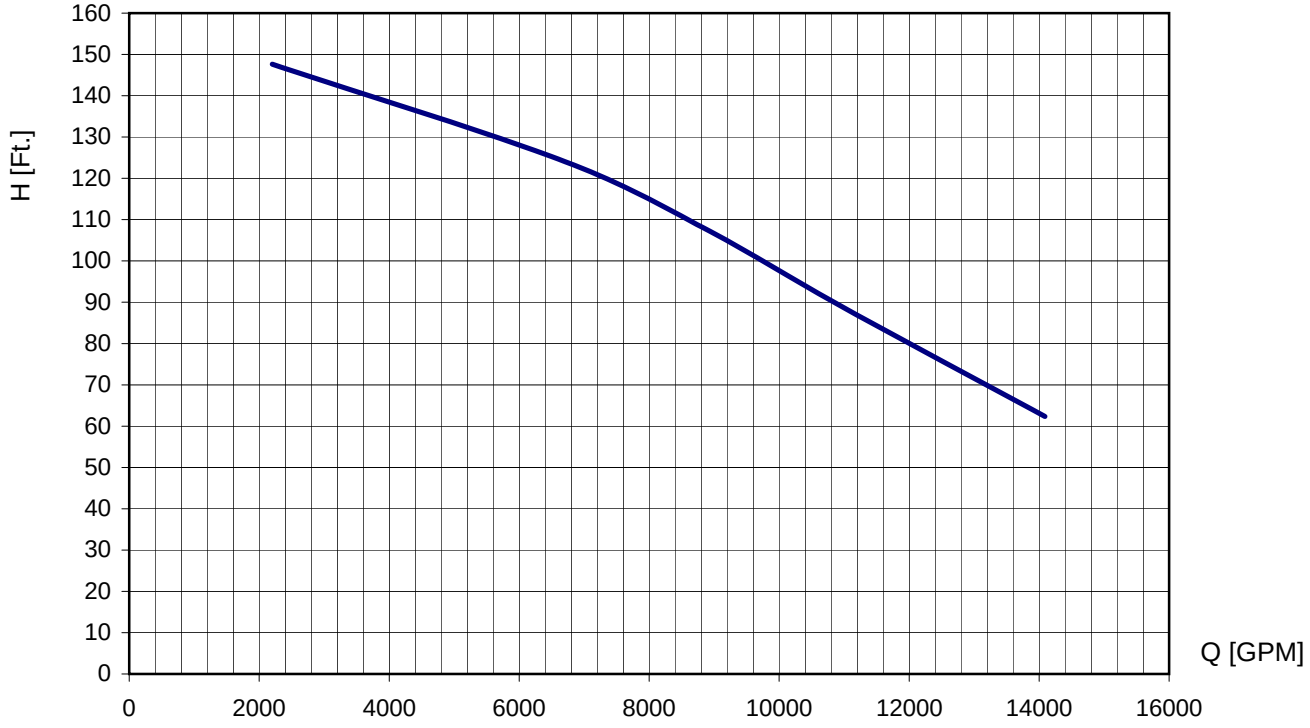


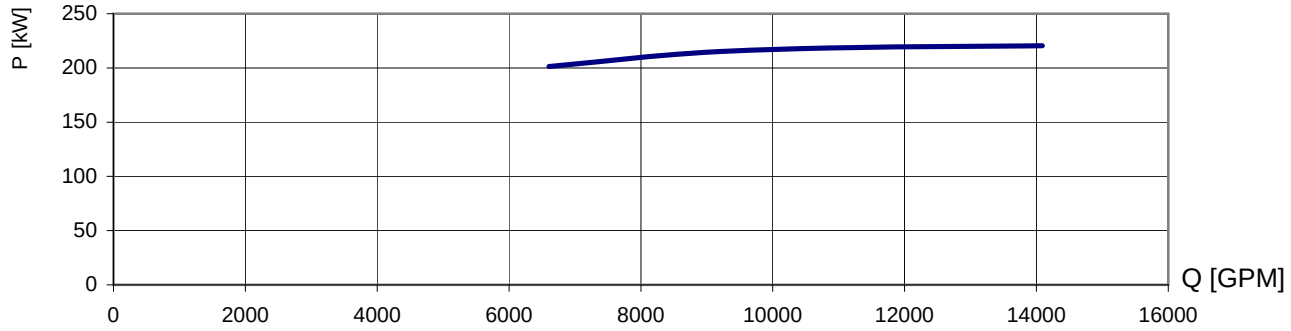


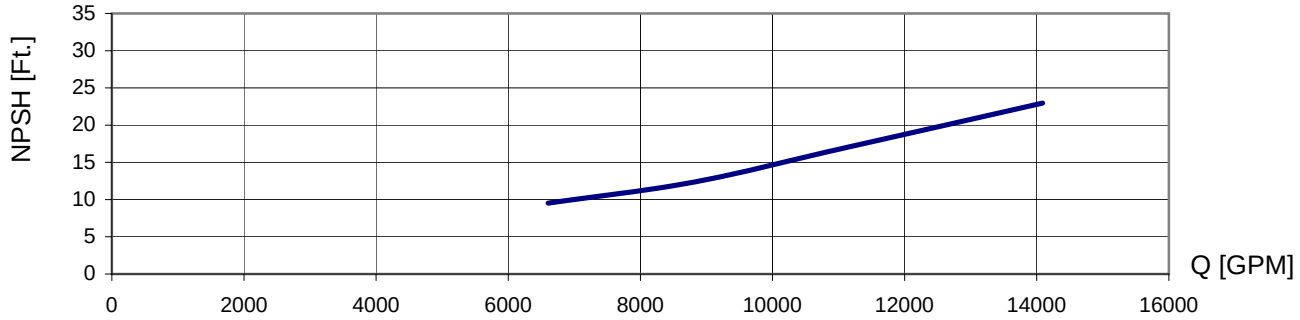


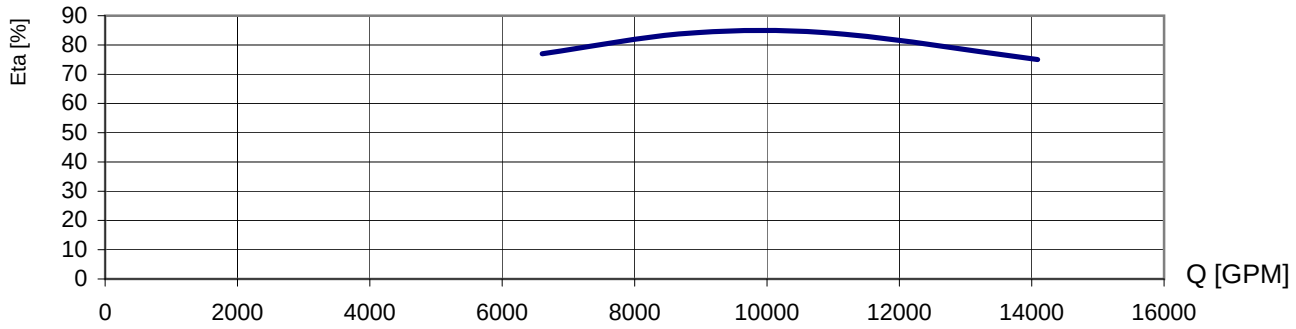
International standard ISO 9906 Grafiek / Kennlinie / Curve: **-**

Pomptype / Pumpentyp / Pump type	**: BA-C 400S8D559**
Toerental / Drehzahl / Speed	: **1000rpm**
Waaier / Laufrad / Impeller	: **559mm / 22"**
Slijtplaat / Verschleissplatte / Wear plate	: **-**
Vrije doorlaat / Freier Durchgang / Free passage	: **114mm / 4½"**
Zuig / Saug / Suction	: **DN350**
Pers / Druck / Discharge	: **DN350**









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