


Pump specifications:

Type.....	BA700G D810
Max. flow	7800 m ³ /hour (34,300 US gpm)
Max. pressure	23 mwc (76 ft.)
Discharge x suction	DN700 x DN800
Solids handling	145 mm (5.7")
Impeller type	Mixed flow impeller
Priming system	BBA MP100
Engine	Volvo Penta TAD1384VE
Emission standard	Stage V
Canopy	EL23-58
Sound level.....	75 dB(A) at 10 m
Dry weight.....	12.000 kg (26,400 lbs)

FEATURES
BA auto prime pump

The BA range of pumps has been designed with a clear focus on reliability, efficiency and durability. Featuring a 100% mechanical priming system, the BA series pumps quickly prime and re-prime, even from dry conditions. The heavy build style of both pump and canopy make the BA range perfect for use in the strenuous contractor market.

World-class performance

The BA range is built to be deployed on the most demanding dewatering and sewage bypassing applications. Using high efficiency pumps and state-of-the-art diesel engines, the pumps offer maximum performance at minimal cost, fully in-sync with the company philosophy of "Lowest cost of ownership".

Sustainability

- High efficiency pumps minimising fuel consumption
- Corrosion free hot dip galvanized canopy
- Corrosion free composite door panels
- 100% Oil-spill free priming system
- Fully bundled unit eliminating fuel/oil spills at all times

Complete package designed & built by BBA Pumps

- Complete in-house design & production
- Over 70 years of experience in the market
- Complete testing facility in-house
- Contemporary & functional design
- Durable & eco-friendly materials
- Custom builds available

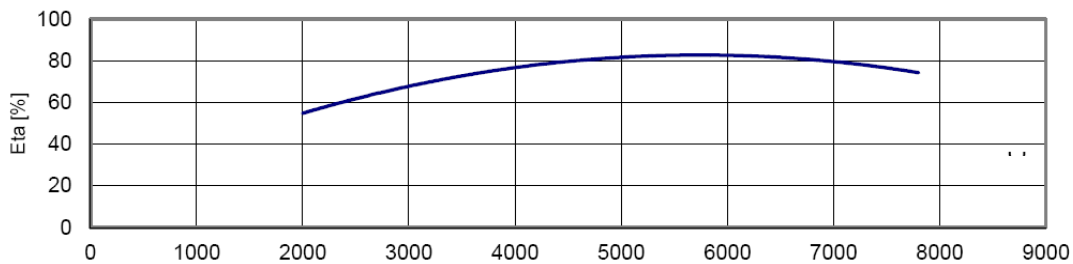
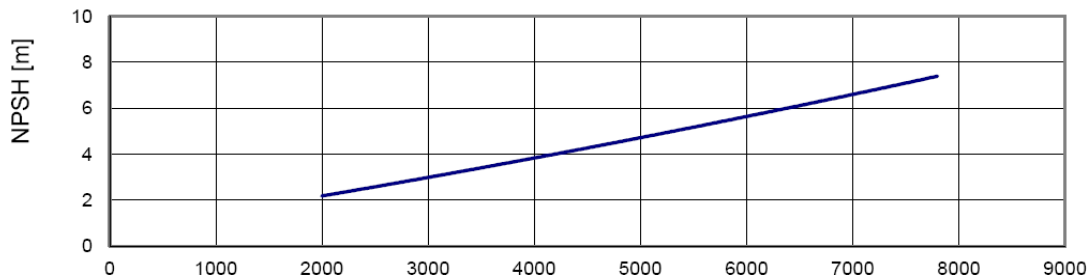
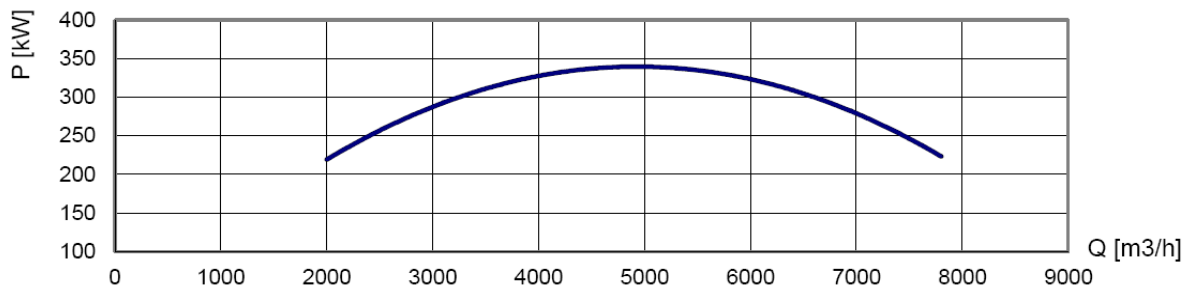
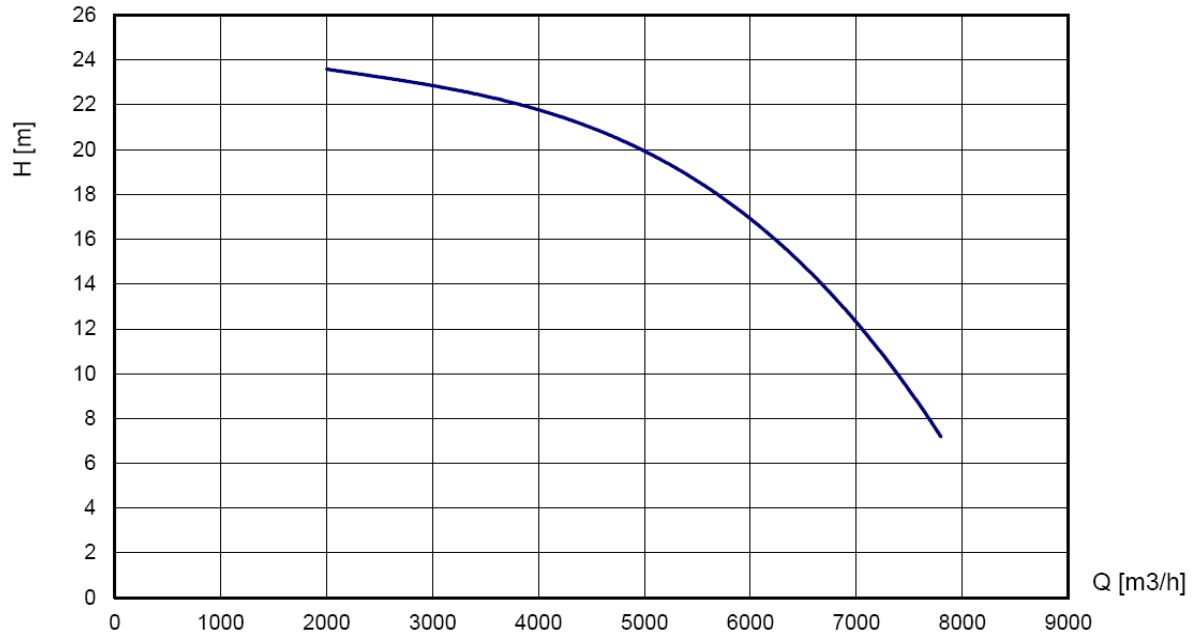
After sales service & product support

- Single supplier for parts, spares & accessories
- Dedicated customer help-desk (24h service)
- Dedicated service department in-house
- Global parts distribution network
- Optional global on-site servicing available
- Extensive training options available (technical & commercial), on-site or in-house



PERFORMANCE CURVES (590 RPM)

Continuous duty according ISO 9906



STANDARD TECHNICAL SPECIFICATIONS
BBA auto prime pump

Pump type.....	BA700G D810
Max. flow.....	7800 m ³ /hour (34,300 US gpm)
Max. head.....	23 mwc (76 feet)
Discharge flange.....	DN700 (PN6) K810
Suction flange.....	DN800 (PN6) K920
Impeller type.....	Mixed flow impeller
Solids handling.....	145 mm (5.7 inch)
Best efficiency point.....	85%
Pump casing.....	Cast iron GG25
Impeller.....	Ductile iron GGG40
Pump shaft.....	42CrV6
Shaft seal.....	Mechanical seal


BBA priming system

Pump type.....	BBA MP100 Diaphragm pump
Air handling capacity.....	100 m ³ /h (59 CFM)
Max. vacuum.....	8,5 m (29 inHg)
Drive.....	E-motor 24V
Float box.....	St. 37 hot dip galvanized
Float.....	Stainless steel 304
Start/stop.....	Fully automatic


Engine

Engine brand.....	Volvo Penta
Engine type.....	TAD1384VE
Flywheel power.....	369 kW (500 Hp)
Rating.....	IFN power
Fuel consumption.....	200 g/kWh
Displacement.....	12.78 l
Number of cylinders.....	6
After treatment.....	SCR, DPF + DOC
Emission level.....	Stage V

BBA control panel LC45

- Auto start/stop system
- Two float switches included (10m cable)
- Key switch
- Rpm. control with push buttons
- Warning lights
- 4.3" LCD display

The LCD monitor displays additional engine data, e.g. actual engine speed, working hours, battery voltage, fuel consumption and failures in clear text (Multilanguage support)


BBA non-return valve DN700

Flange size entrance.....	DN700 PN6
Flange size delivery.....	DN800 PN6
Casing.....	St 37 hot dip galvanized
Max. pressure.....	3.5 bar – 50 PSI

(More technical details see separate non-return valve data sheet)





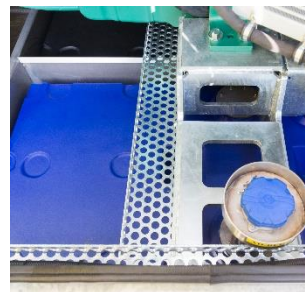
Factory Acceptance Test
Extensive testing facility in-house. FAT must be conducted formally and be witnessed by the owner and/or project manager.



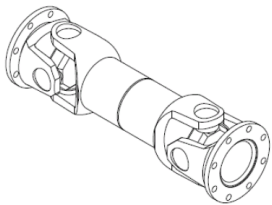
LED lights
Fully integrated in the canopy for easy operation throughout the evening and night.



Safety
Extremely durable and lockable T-locks offering perfect grip.



Fully banded unit
Fully banded unit eliminating fuel/oil and AdBlue® spills at all times.



Cardan shaft
Cardan shaft between pump and diesel engine for smooth operation, assembly angle 2.5° - 3°.



Ratio transmission gearbox
Hydraulically actuated clutches and helical gearing for a smooth operating speed reduction between engine and pump.



Double vacuum pump
Diaphragm pump, air-cooled, water-resistant and oil-spillage free. Air capacity of 100 m³ per hour.



User manual BA series
Extensive user manual with important information concerning the pump unit, pump installation and safety warnings. Available in several languages.

Pictures used are for illustration purposes only.