


Pump specifications:

Type.....	BA500G D675
Max. flow	19800 US gpm (4500 m3/hour)
Max. pressure.....	86 ft. / 37 PSI (26 mwc)
Discharge x suction	DN500 x DN600 flanges
Solids handling	4.5" (115 mm)
Impeller type	Axial flow impeller
Priming system	BBA MP100
Engine	Volvo Penta TAD1372VE
Emission standard	Tier 4 final / Stage IV
Canopy	EL23-58
Sound level.....	75 dB(A) at 33 ft.
Dry weight	23,980 lbs (10.900 kg)

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 galvanised canopy
- Corrosion free composite door panels and powder coated plating
- 100% Oil-spill free priming system
- Fully self-contained unit featuring a double wall fuel containment tank and fluid containment system eliminating fuel/oil spills at all times

Complete package designed & built by BBA Pumps

- Complete in-house design & production
- Over 60 years of experience in the market
- Complete testing facility in-house
- Contemporary & functional design
- Durable & eco-friendly materials
- Custom builds available

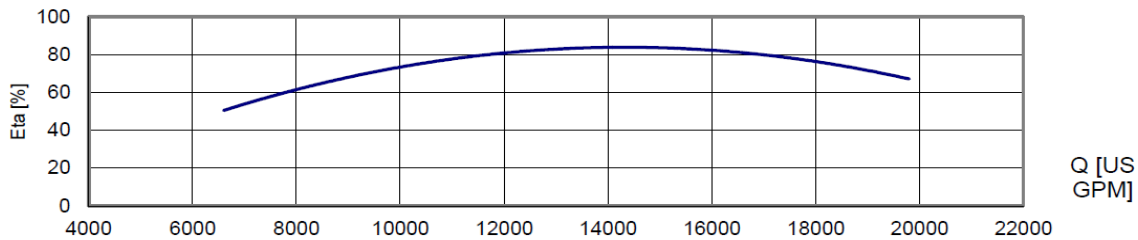
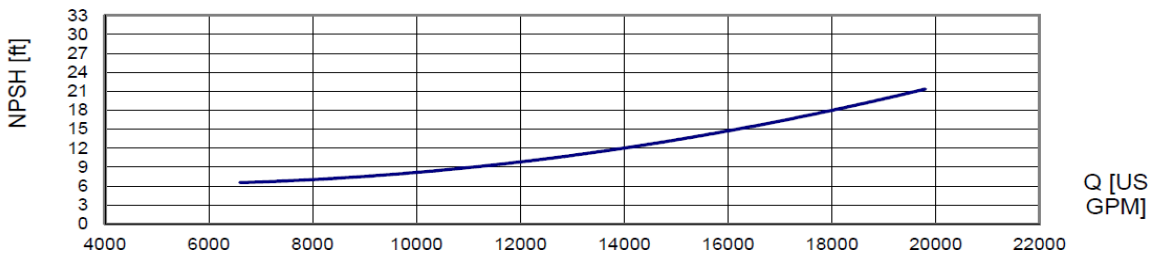
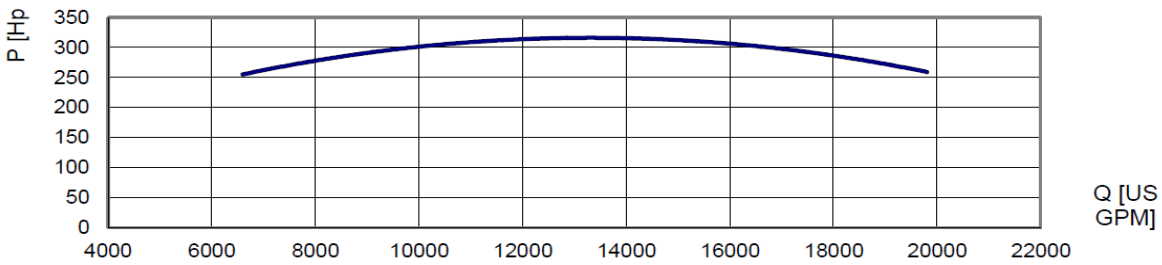
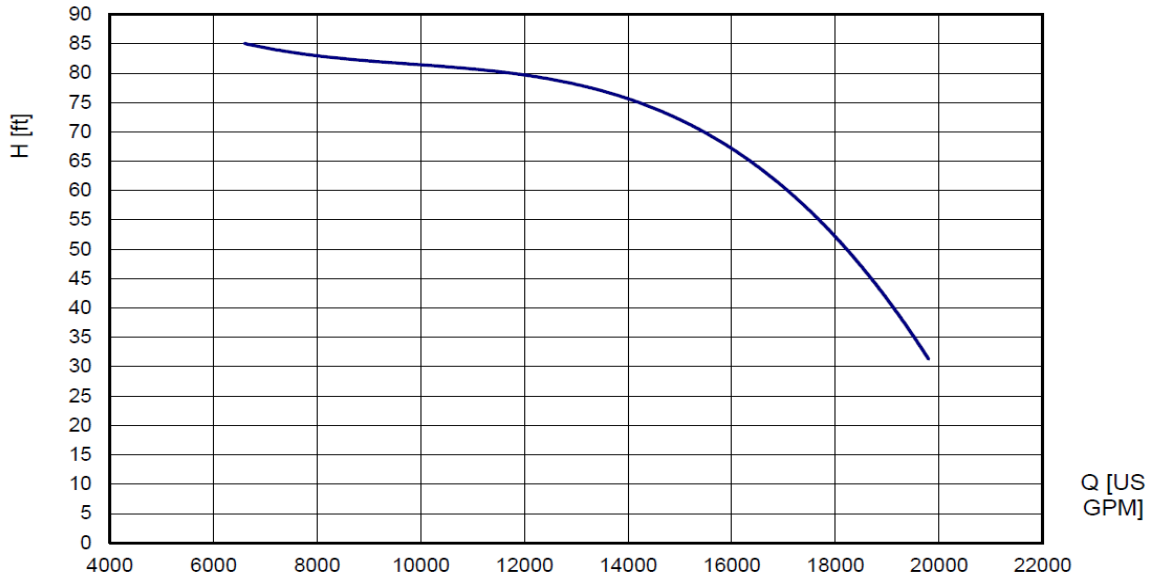
After sales service & product support

- 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 (740 RPM)

Continuous duty according ISO 9906



STANDARD TECHNICAL SPECIFICATIONS

BBA auto prime pump

Pump type.....	BA500G D675
Max. flow.....	19800 US GPM (4500 m ³ /hour)
Max. head.....	86 ft. 37 PSI (26 mwc)
Discharge flange.....	DN500 (PN6) K600
Suction flange.....	DN600 (PN6) K705
Impeller type.....	Axial flow impeller
Solids handling.....	4.5 inch (115 mm)
Best efficiency point.....	87%
Pump casing.....	Cast iron GG20
Impeller.....	Ductile iron GGG40
Pump shaft.....	42CrV6
Shaft seal.....	Mechanical seal



BBA priming system

Pump type.....	BBA MP100 Diaphragm pump
Air handling capacity.....	59 CFM (100 m ³ /h)
Max. vacuum.....	29 inHg (8.5 m)
Drive.....	E-motor 24V
Float box.....	St 37 hot dip galv.
Float.....	Stainless steel 304
Start/stop.....	Fully automatic



Engine

Engine brand.....	Volvo Penta
Engine type.....	TAD1372VE
Flywheel power.....	420 Hp (309 kW)
Rating.....	IFN power
Fuel consumption.....	198 g/kWh
Displacement.....	12.78 l
Number of cylinders.....	6
Aftertreatment.....	SCR, AdBlue®
Emission level.....	Tier 4 final – Stage IV

BBA control panel LC45

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



BBA non-return valve DN500

Flange size entrance.....	DN500 PN6
Flange size delivery.....	DN600 PN6
Casing.....	St 37 hot dip galvanised
Max. pressure.....	4 bar – 58 PSI

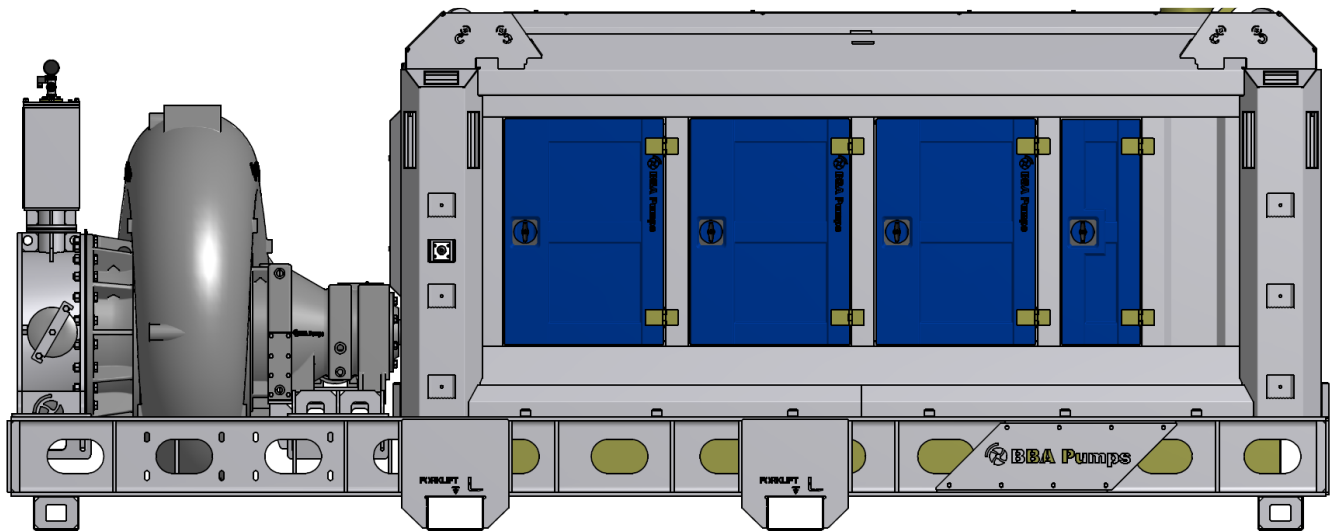
(More technical details see separate non-return valve data sheet)



CANOPY EL23-58

BBA sound attenuating canopy

- Canopy type.....EL23-58
- Dimensions L x W x H229 x 90.8 x 90.5 inch
- Dimensions L x W x H5830 x 2306 x 2300 mm
- Basic frame.....Hot dip galvanised
- Doors8 Easy-access doors (lockable)
- Door panelsABS/ASA
- Fuel tankPE net 80 US Gallon (300 ltr.)
- Fuel tank autonomy4 hours (at 1800 rpm BEP)
- Fuel tank cap60 mm (2.5 inch)
- AdBlue® tank.....PE net 80 US Gallon (300 ltr.)
- Forklift pockets.....Fitted with 2 forklift pockets
- Lifting pointFitted with 4 lifting points
- Oil drain pumpDrain pump for motor oil installed (hand pump)
- Connections.....Flange connections
- Exhaust systemAftertreatment fully integrated in the canopy
- Emergency stop.....Applicable
- AdditionalFitted with oil-water separator
- DocumentationUser manual & BBA warranty book



Actual dimensions (in inches & mm) may vary depending on selected connections.



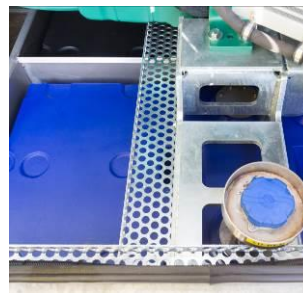
Factory Acceptance Test
Extensive testing facility in-house. FAT must be conducted formally and be witnessed by the owner and/or project manager.



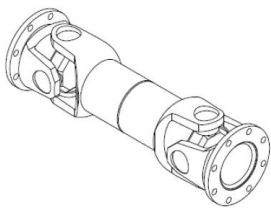
LED lights
Fully integrated in the canopy for easy operation throughout the evening and night.



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.



4 Year limited warranty
The BBA limited warranty covers years or operating hours whichever occurs first. For more details please consult the BBA warranty book.



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