



**Pump specifications:**

Type.....BA500G D675  
 Max. flow .....4500 m<sup>3</sup>/hour (19800 US GPM)  
 Max. pressure .....26 mwc (86 ft.)  
 Connections.....Discharge DN500 – Suction DN600  
 Solids handling ..... 115 mm (4,5")  
 Impeller type .....Axial flow impeller  
 Priming system ..... BBA MP100  
 Engine .....Volvo Penta TAD1345VE  
 Emission standard ..Stage II / Tier 2  
 Canopy ..... EL23-58  
 Sound level.....75 dB(A) at 10m  
 Dry weight..... 10.900 kg (23.980 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 galvanised canopy
- Corrosion free composite door panels and powder coated plating
- 100% Oil-spill free priming system
- Fully banded unit 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

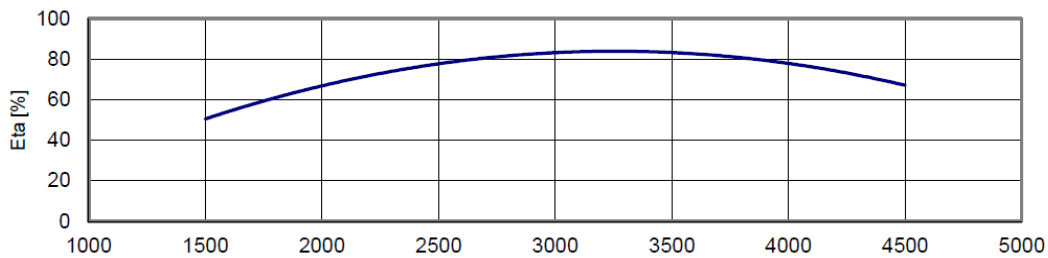
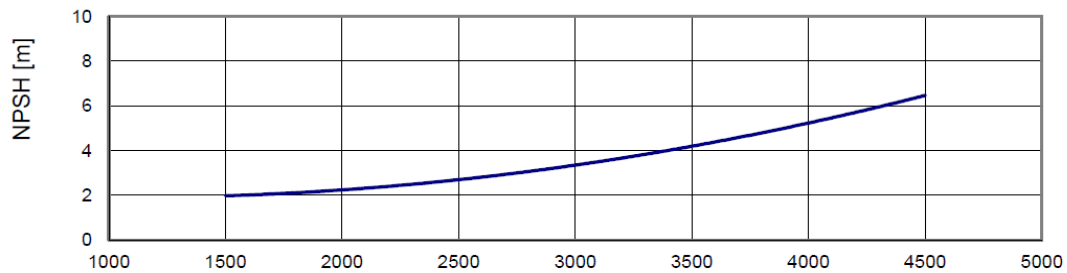
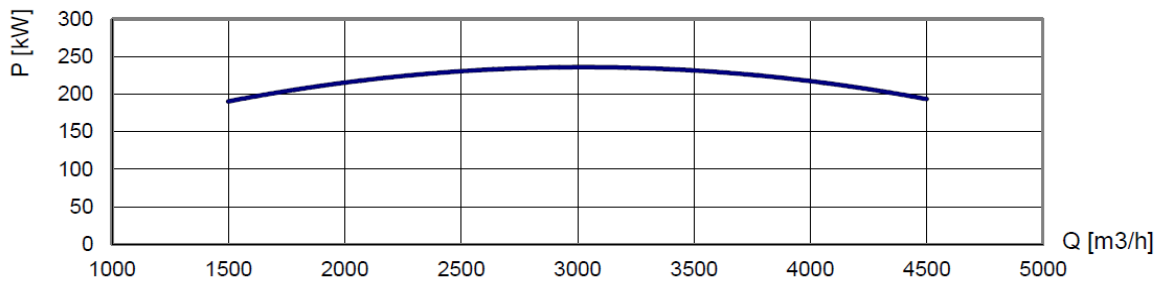
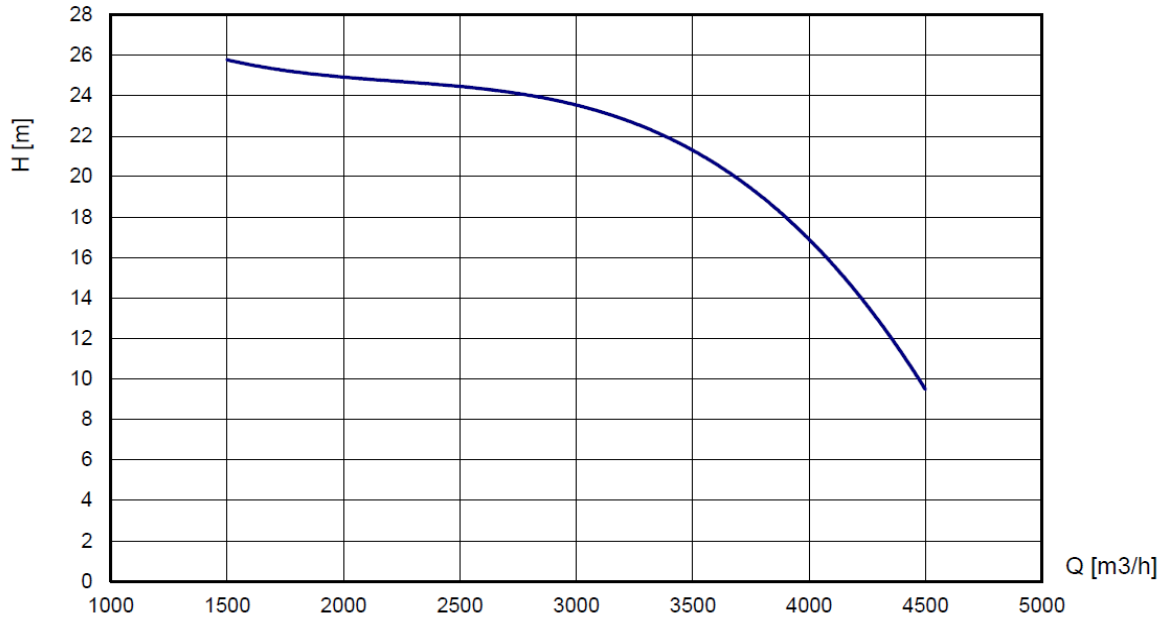
**After sales service & product support**

- 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.....4500 m<sup>3</sup>/hour (19800 US GPM)  
 Max. head.....26 mwc (86 feet)  
 Discharge flange.....DN500 (PN6) K600  
 Suction flange.....DN600 (PN6) K705  
 Impeller type.....Axial flow impeller  
 Solids handling.....115 mm (4.5 inch)  
 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.....100 m<sup>3</sup>/h (59 CFM)  
 Max. vacuum.....8.5 m (29 inHg)  
 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.....TAD1345VE  
 IFN power.....368 kW (500 Hp)  
 Rating.....IFN power  
 Fuel consumption.....200 g/kWh  
 Governor type.....Electronic  
 Displacement.....12.78 l  
 Number of cylinders.....6  
 Emission level.....Stage II / EPA Tier 2



**BBA control panel LC30**

- Auto start/stop system
- Two float switches included (10 m cable)
- Switch Manual-0-Auto
- Rpm. control with push buttons
- Warning lights
- The 4.3" LCD monitor displays additional engine data, e.g. actual engine speed, working hours, battery voltage, fuel consumption and failures in clear text (10 language support)

**BBA non-return valve DN500**

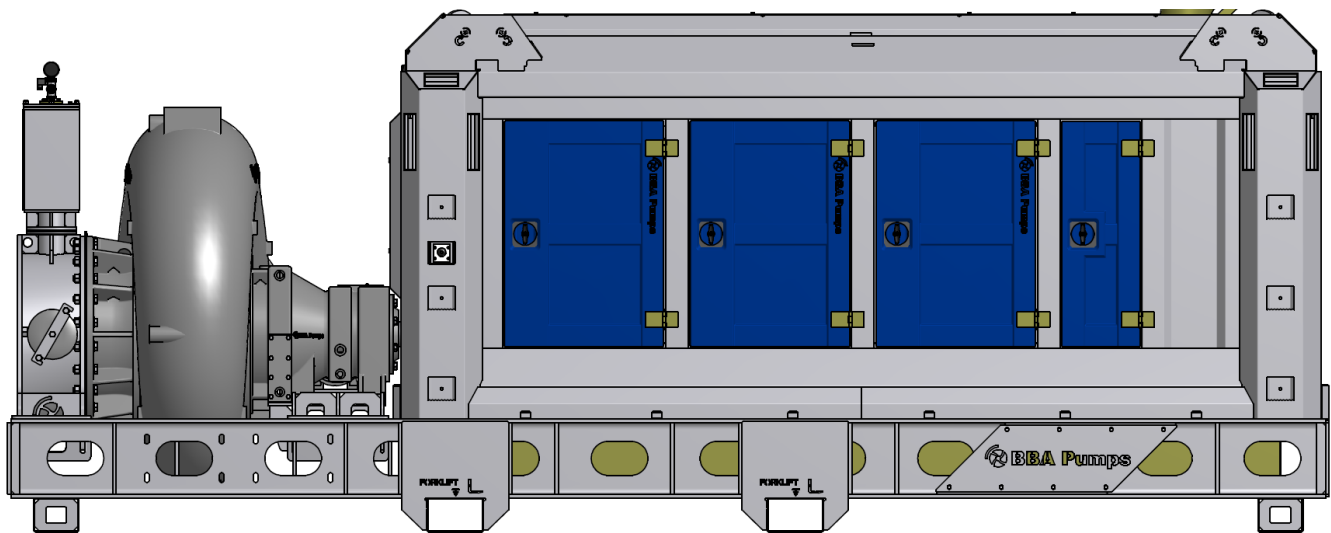
Flange size entrance.....DN500 PN6  
 Flange size delivery.....DN600 PN6  
 Casing.....St 37 hot dip galvanised  
 Max. pressure.....4 bar – 58 PSI  
 (More technical details see separate non-return valve data sheet)



**CANOPY EL23-58**

**BBA sound attenuating canopy**

Canopy type.....	EL23-58
Dimensions L x W x H .....	5830 x 2306 x 2300 mm
Dimensions L x W x H .....	229 x 90.8 x 90.5 inch
Basic frame .....	Hot dip galvanised
Doors .....	8 Easy-access doors (lockable)
Door panels .....	ABS/ASA
Fuel tank .....	PE net 300 ltr. (80 US Gallon)
Fuel tank autonomy .....	4 hours (at 1800 rpm BEP)
Fuel tank cap .....	60 mm (2.5 inch)
Forklift pockets.....	Fitted with 2 forklift pockets
Lifting point .....	Fitted with 4 lifting points
Oil drain pump .....	Drain pump for motor oil installed (hand pump)
Connections .....	Flange connections
Exhaust system .....	Integrated in the canopy
Emergency stop.....	Applicable
Additional .....	Fitted with oil-water separator
Documentation .....	User manual & BBA warranty book



Actual dimensions (in mm & inches) 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.



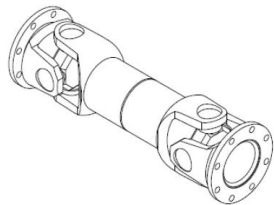
**LED lights**  
Fully integrated in the canopy for easy operation throughout the evening and night.



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



**Fuel tank**  
Fully bunded, corrosion-free, 300 liter, high-density polyethylene (HDPE) fuel tank, located in base of canopy.



**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 m<sup>3</sup> 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.