



**Pump specifications:**

Type.....BA600G D743  
 Max. flow .....6500 m<sup>3</sup>/hour (28600 US GPM)  
 Max. pressure .....22 mwc (72 ft.)  
 Connections.....Discharge DN600 – Suction DN700  
 Solids handling ..... 135 mm (5,3")  
 Impeller type .....Axial flow impeller  
 Priming system ..... BBA MP100  
 Engine ..... Volvo Penta TAD1142VE  
 Emission standard .. Stage II – Tier 2  
 Canopy ..... EL23-58  
 Sound level.....75 dB(A) at 10 m  
 Dry weight..... 11.000 kg (24.200 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

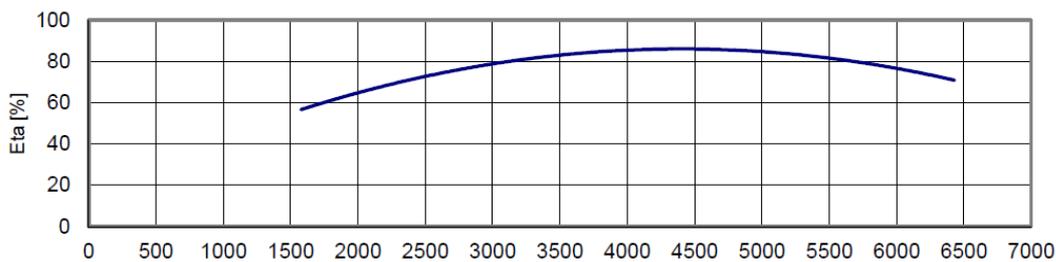
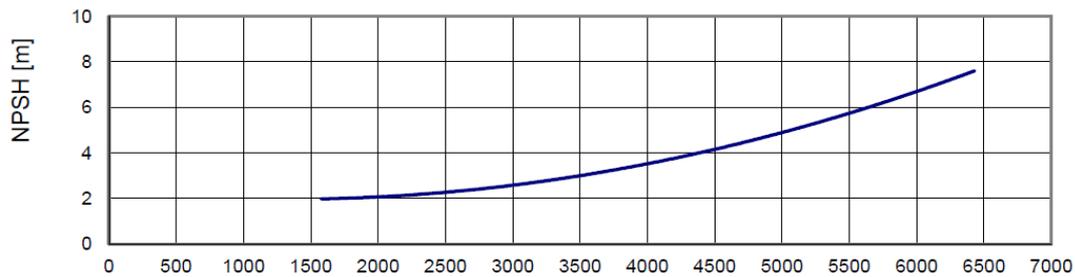
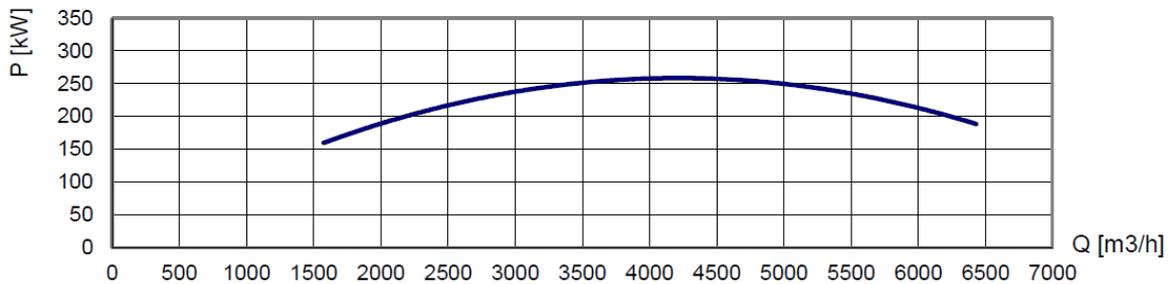
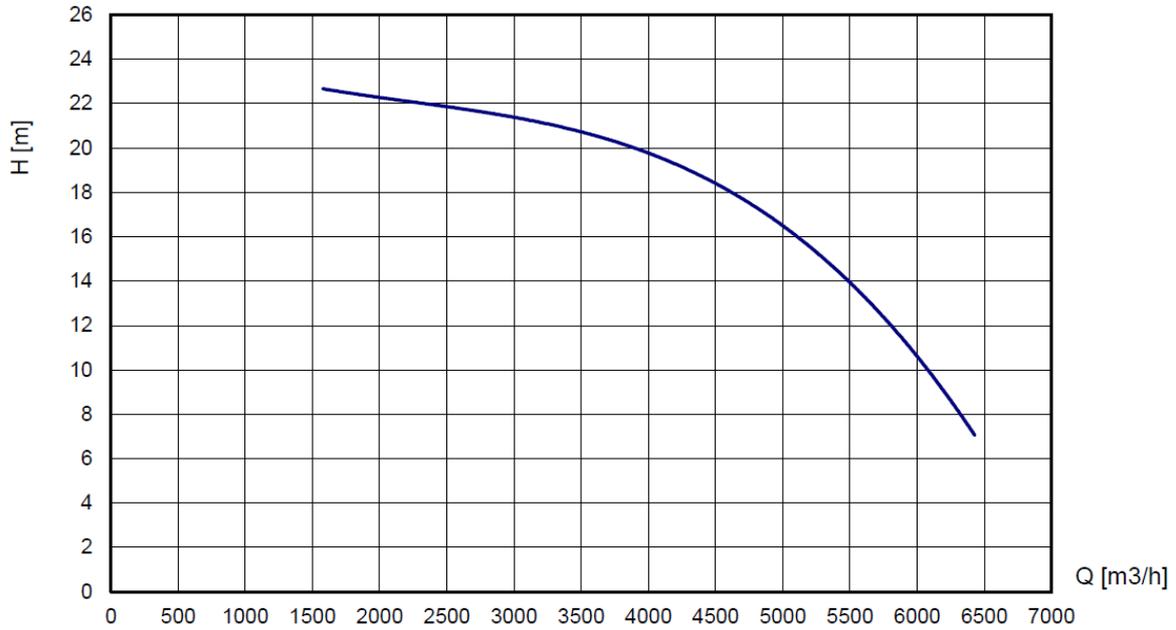
**After sales service & product support**

- 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 (620 RPM)**

Continuous duty according ISO 9906



**STANDARD TECHNICAL SPECIFICATIONS**

**BBA auto prime pump**

Pump type.....BA600G D743  
 Max. flow.....6500 m<sup>3</sup>/hour (28600 US GPM)  
 Max. head.....22 mwc (72 feet)  
 Discharge flange.....DN600 (PN6) K705  
 Suction flange.....DN700 (PN6) K810  
 Impeller type.....Axial flow impeller  
 Solids handling.....135 mm (5.3 inch)  
 Best efficiency point.....88%  
 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.....TAD1142VE  
 Flywheel power.....262 kW (356 Hp)  
 Engine speed.....1550 RPM  
 Fuel consumption.....205 g/kWh  
 Displacement.....10.84 l (661 in<sup>3</sup>)  
 Number of cylinders.....6  
 Emission level.....Stage II – 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 DN600**

Flange size entrance.....DN600 PN6  
 Flange size delivery.....DN700 PN6  
 Casing.....St 37 hot dip galvanised  
 Max. pressure.....4 bar – 58 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.



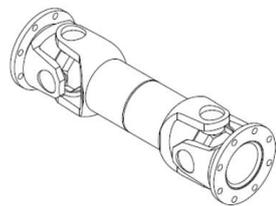
**LED lights**  
Fully integrated in the canopy for easy operation throughout the evening and night.



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



**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.