



Pump specifications:

Type.....	BA600G D743
Max. flow	28600 US gpm (6500 m3/hour)
Max. pressure	72 ft. / 31 PSI (22 mwc)
Connections.....	Discharge DN600 – Suction DN700
Solids handling	5.3" (135 mm)
Impeller type	Axial flow impeller
Priming system	BBA MP100
Engine	Volvo Penta TAD1172VE
Emission standard	Tier 4 final
Canopy	EL23-58
Sound level	Approx. 75 dB(A) at 33 ft.
Dry weight.....	24,200 lbs (11.000 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

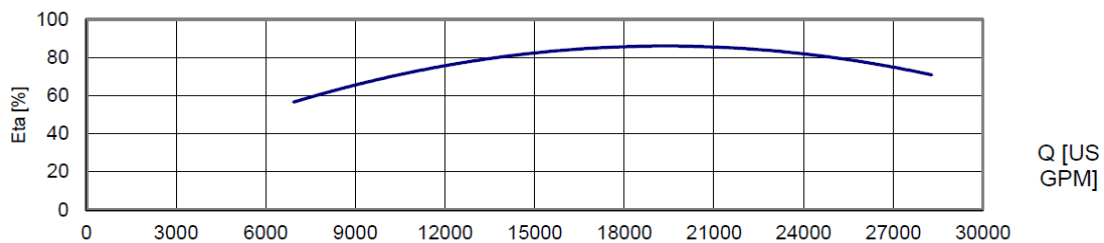
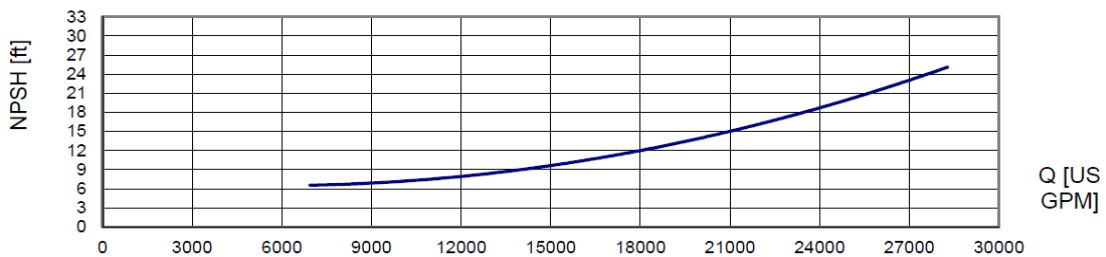
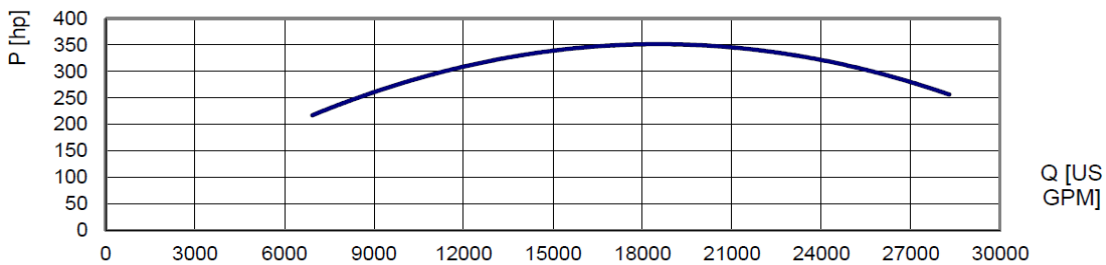
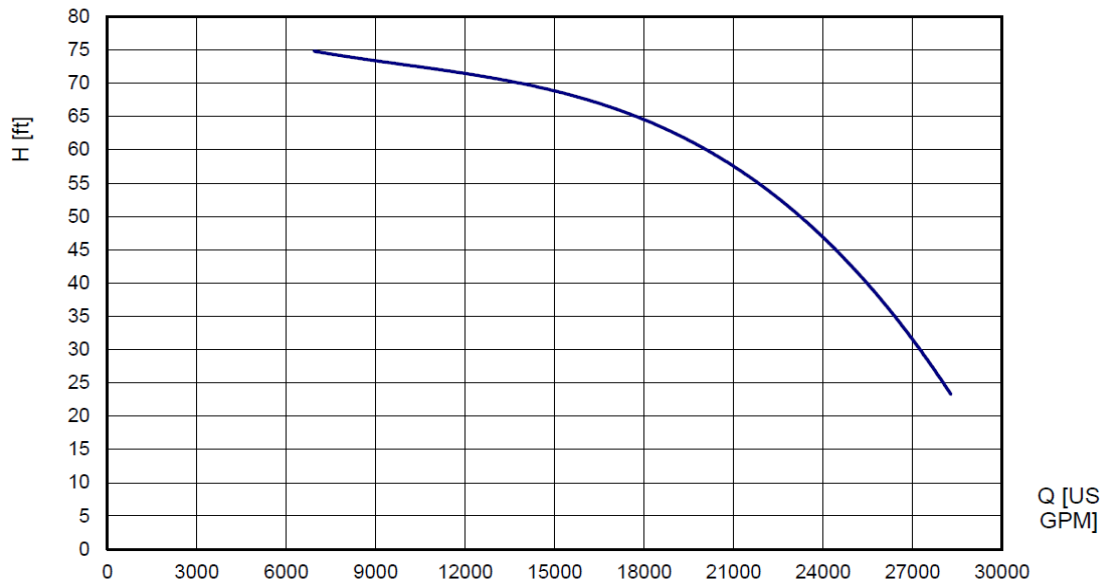
After sales service & product support

- 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 (620 RPM)

Continuous duty according ISO 9906



STANDARD TECHNICAL SPECIFICATIONS

BBA auto prime pump

Pump type.....	BA600G D743
Max. flow.....	28600 US gpm (6500 m³/hour)
Max. head.....	72 ft. / 31 PSI (22 mwc)
Discharge flange.....	DN600 (PN6) K705
Suction flange.....	DN700 (PN6) K810
Impeller type.....	Axial flow impeller
Solids handling.....	5.3 inch (135 mm)
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.....	59 CFM (100 m³/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.....	TAD1172VE
Flywheel power.....	357 Hp (262 kW)
Engine speed.....	1550 RPM
Rating.....	IFN power
Fuel consumption.....	200 g/kWh
Displacement.....	10.84 l (661 in³)
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 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)





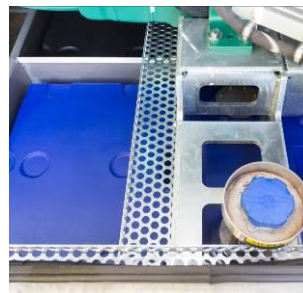
Factory Acceptance Test
 Extensive testing facility in-house. FAT must be conducted formally and be witnessed by the owner and/or project manager.



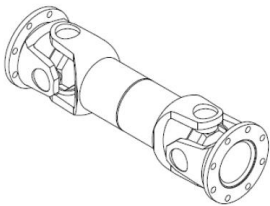
LED lights
 Fully integrated in the canopy for easy operation throughout the evening and night.



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



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.