



Pump specifications:

Type.....	BA600G D743
Max. flow	6500 m ³ /hour (28600 US GPM)
Max. pressure	22 mwc (72 ft.)
Discharge x suction	DN600 x DN700
Solids handling	135 mm (5,3")
Impeller type	Axial flow impeller
Priming system	BBA MP100
Engine	Volvo Penta TAD1182VE
Emission standard	Stage V
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 galvanized canopy
- Corrosion free composite door panels and powder coated plating
- 100% Oil-spill free priming system
- Fully bunded 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

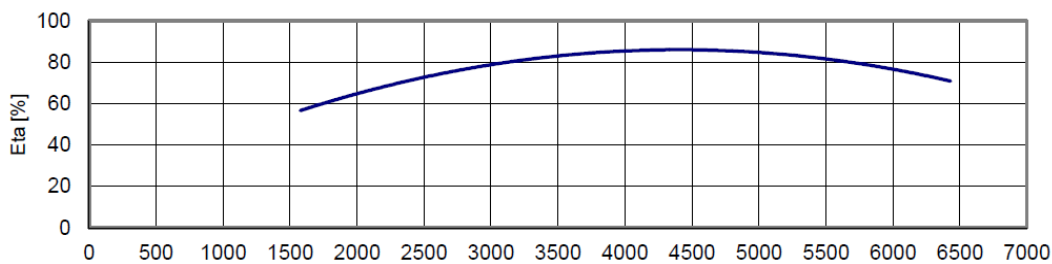
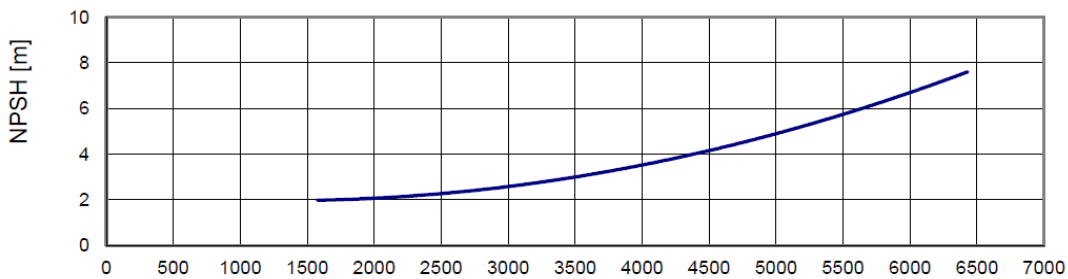
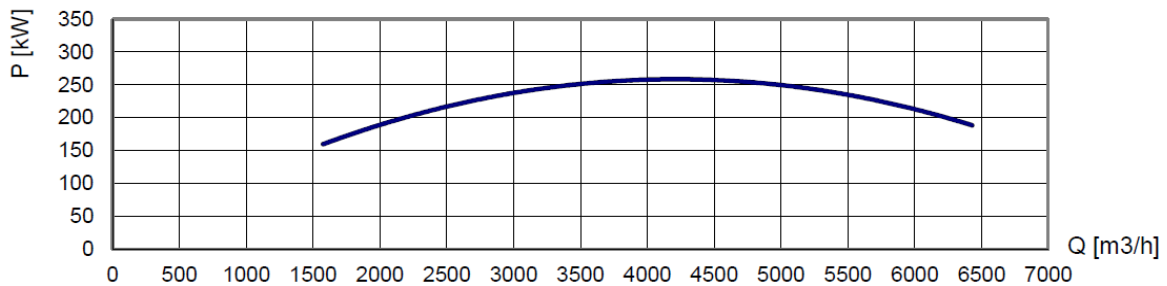
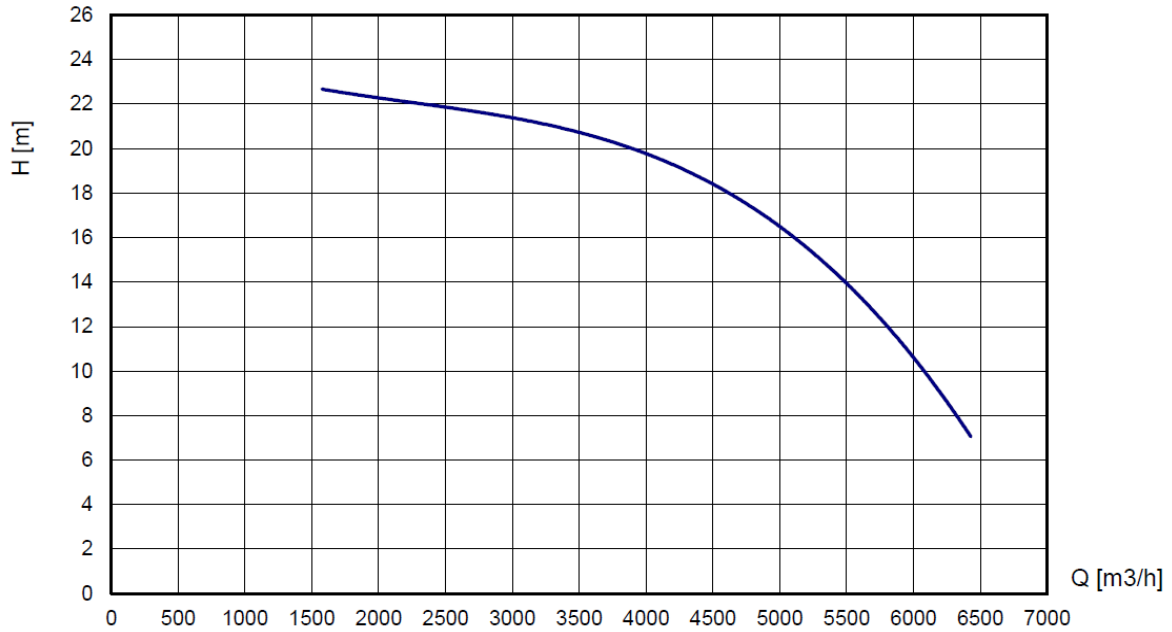
After sales service & product support

- 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 m³/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 m³/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.....TAD1182VE
 Flywheel power.....262 kW (356 Hp)
 Engine speed.....1550 RPM
 Fuel consumption.....200 g/kWh
 Displacement.....10.84 l (661 in³)
 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 DN600

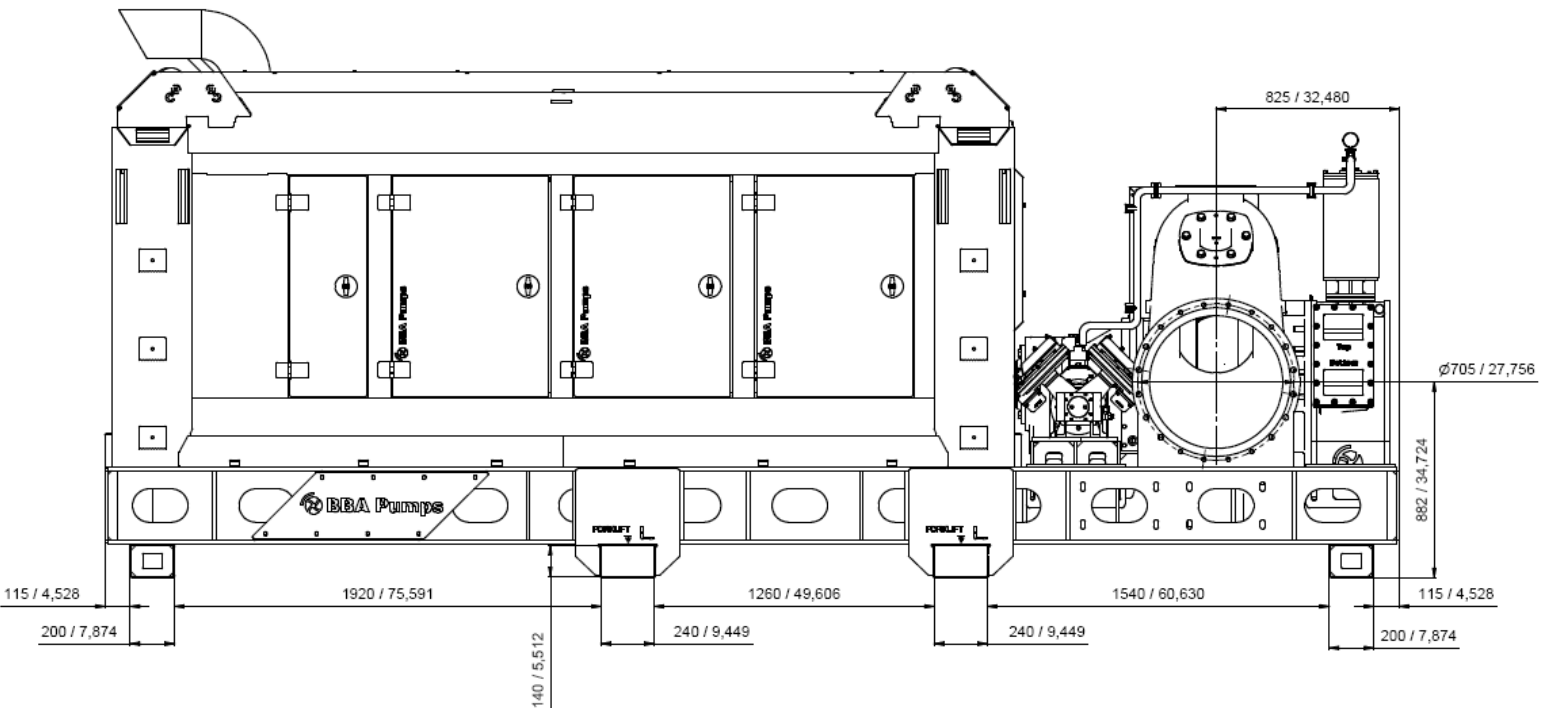
Flange size entrance.....DN600 PN6
 Flange size delivery.....DN700 PN6
 Casing.....St 37 hot dip galvanised
 Max. pressure.....4 bar – 58 PSI
 (More technical details see separate non-return valve data sheet)



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 1550 rpm BEP)
- Fuel tank cap 60 mm (2.5 inch)
- AdBlue® tank..... PE net 300 ltr.(80 US Gallon)
- 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
- 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.



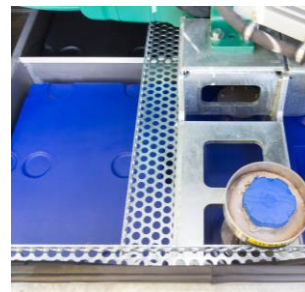
Factory Acceptance Test
Extensive testing facility in-house. FAT must be conducted formally and be witnessed by the owner and/or project manager.



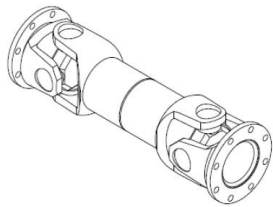
LED lights
Fully integrated in the canopy for easy operation throughout the evening and night.



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



Fully bunded unit
Fully bunded 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.