



Pump specifications:

Type.....	BA400G D540
Max. flow	3200 m ³ /hour (14080 US GPM)
Max. pressure	25 mwc (82 ft.)
Discharge x suction	16" x 20" flanges
Solids handling	100 mm (3,93")
Impeller type	Axial flow impeller
Priming system	BBA MP100
Engine	Volvo Penta TAD582VE
Emission standard	Stage V
Canopy	M14-40
Sound level.....	65 dB(A) at 10m
Dry weight.....	6300 kg (13.860 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 bunded unit eliminating fuel/oil spills at all times

Complete package designed & built by BBA Pumps

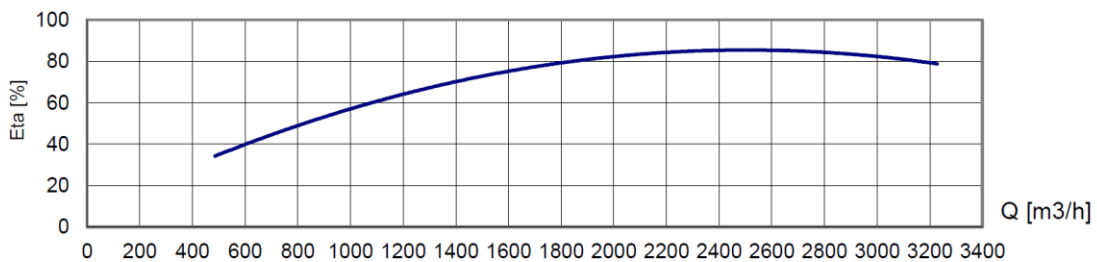
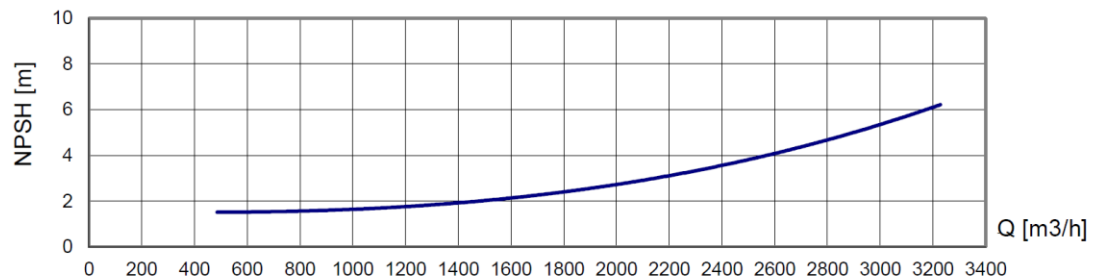
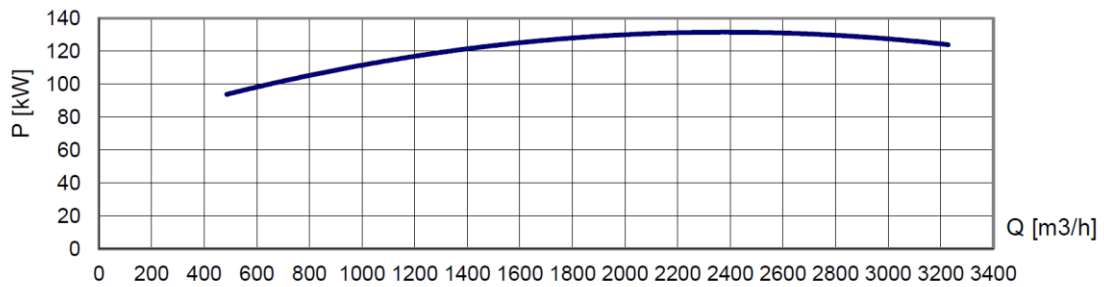
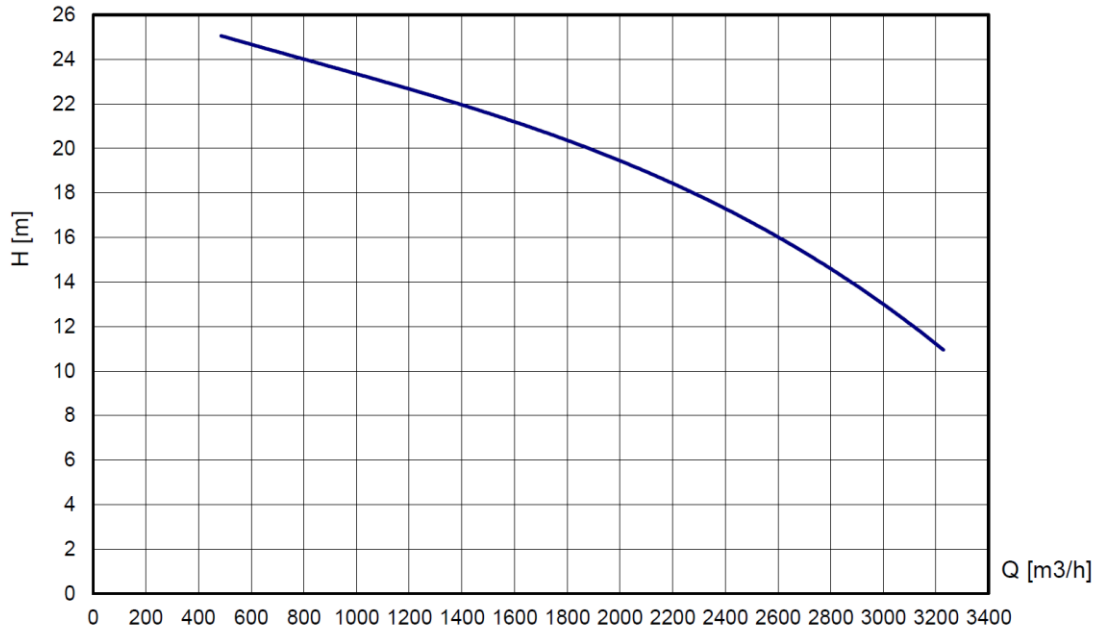
- Complete in-house design & production
- Over 60 years of experience in the market
- Complete testing facility in-house
- Contemporary & functional design
- Durable & eco-friendly materials
- Custom builds available

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 (885 RPM)

Continuous duty according ISO 9906



STANDARD TECHNICAL SPECIFICATIONS

BBA auto prime pump

Pump type.....BA400G D540
 Max. flow.....3200 m³/hour (14080 US GPM)
 Max. head.....25 mwc (82 feet)
 Impeller type.....Axial flow impeller
 Solids handling.....100 mm (3,93 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 m³/h (59 CFM)
 Max. vacuum.....8.5 m (29 inHg)
 Drive.....Toothed belt
 Float box.....Aluminium
 Float.....Stainless steel 304
 Non return valve.....Cast iron GG25

Engine

Engine brand.....Volvo Penta
 Engine type.....TAD582VE
 Flywheel power.....145 kW (197 Hp)
 Engine speed.....1620 RPM
 Fuel consumption.....205 g/kWh
 Displacement.....5.1 ltr
 Number of cylinders.....4
 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)



Fuel system

- Fuel tank steel 450 L. net (120 US Gallon)
- Composite AdBlue® tank
- Electronic fuel injection system

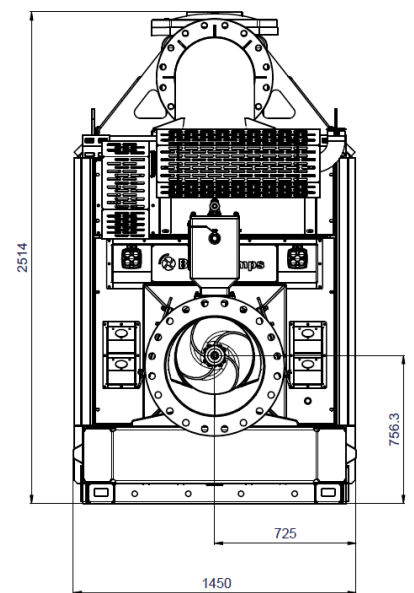
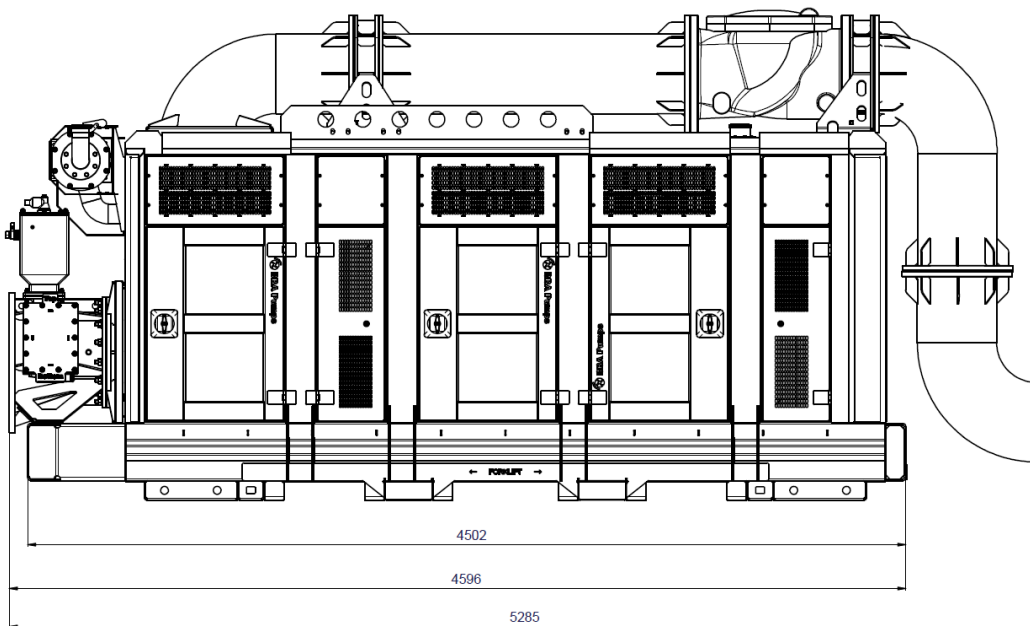
Electrical system & safety features

- Premium quality battery
- Low oil pressure shut down
- High temperature shut down

CANOPY M14-40 (discharge roof pipe)

BBA sound attenuating canopy

- Canopy type.....M14-40
- Dimensions L x W x H5285 x 1450 x 2514 mm
- Dimensions L x W x H208 x 57 x 99 inch
- Basic frame.....Hot dip galvanised
- Doors6 composite easy-access doors (lockable)
- Fuel tank.....Steel 450 ltr (120 US Gallon)
- Fuel tank cap100 mm (4 inch)
- Adblue® tank.....Composite 250 ltr (66 US Gallon)
- Autonomy.....11-12 hours (at BEP)
- Forklift pockets.....Fitted with 2 forklift pockets
- Lifting pointFitted with lifting points
- Connections.....Flange connections
- Exhaust systemExhaust mounted in and outside the canopy
- Aftertreatment.....Fully integrated in the canopy
- Additional.....Fitted with oil-water separator
- Documentation box.....BBA user manual and warranty book



Actual dimensions (in 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.



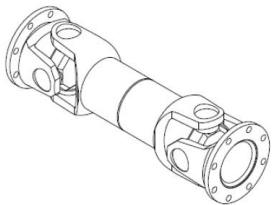
LED lights
Fully integrated in the canopy for easy operation throughout the evening and night.



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.



Double vacuum pump
Diaphragm pump, water-resistant and oil-spillage free. Air capacity of 100 m³ per hour.



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.

Pictures used are for illustration purposes only.