


**Pump specifications:**

Type.....	BA400G D540
Max. flow .....	3200 m <sup>3</sup> /hour (14080 US gpm)
Max. pressure .....	25 mwc (82 ft.)
Discharge x suction .....	DN400 x DN500 flanges
Solids handling .....	100 mm (3,93")
Impeller type .....	Mixed 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**

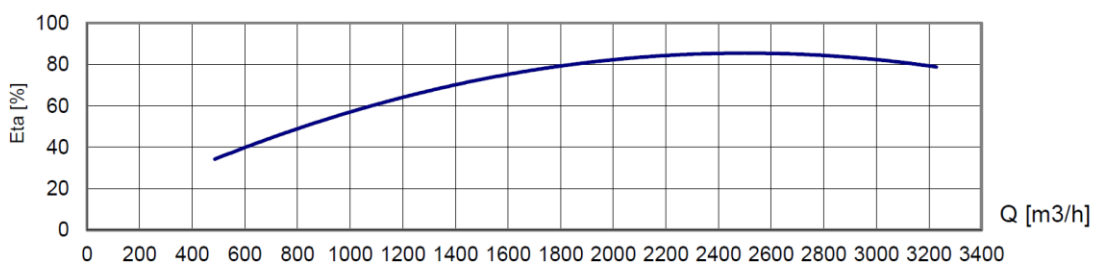
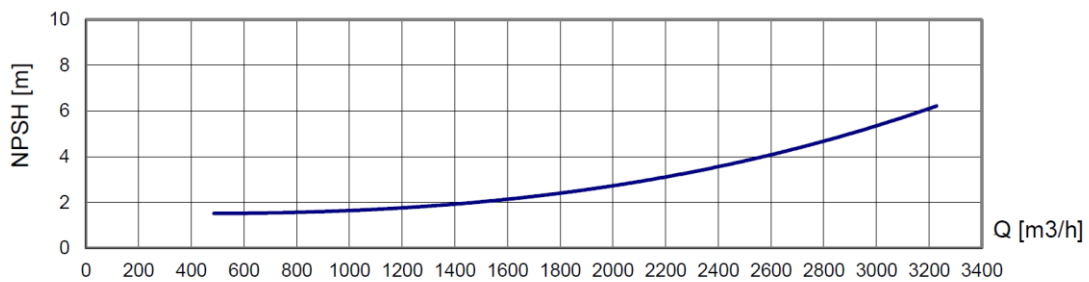
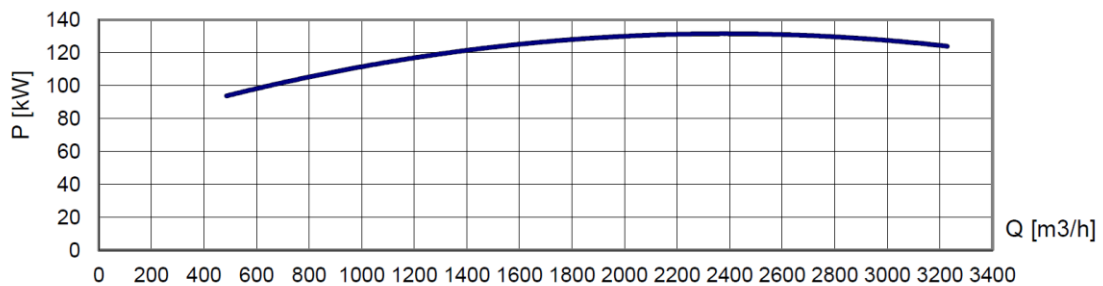
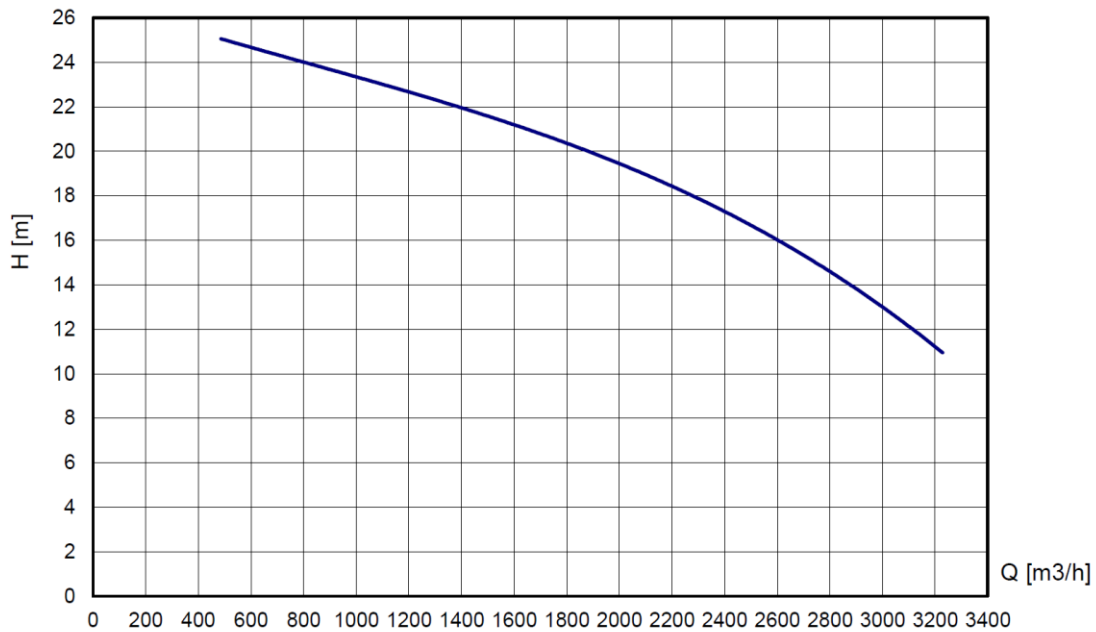
- Complete in-house design & production
- Over 70 years of experience in the market
- Complete testing facility in-house
- Contemporary & functional design
- Durable & eco-friendly materials
- Custom builds available

**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 m <sup>3</sup> /hour (14080 US gpm)
Max. head.....	25 mwc (82 feet)
Impeller type.....	Mixed flow impeller
Solids handling.....	100 mm (3,93 inch)
Best efficiency point.....	87%
Pump casing.....	Cast iron GG25
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.....	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

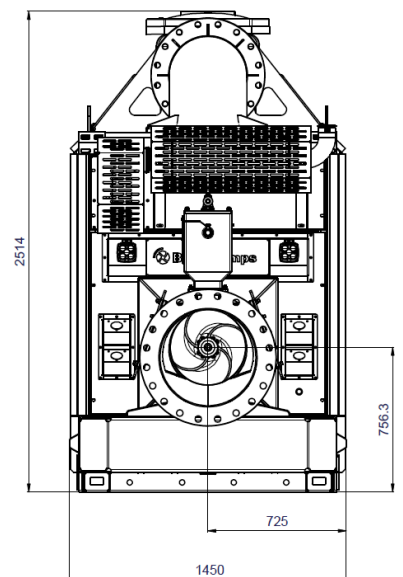
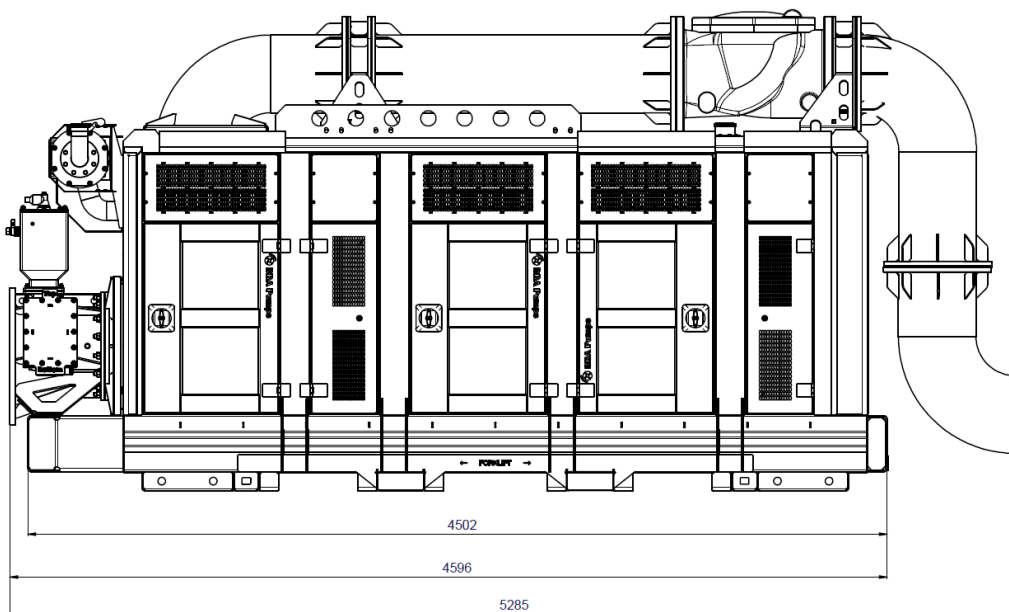
**Electrical system & safety features**

- 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 H .....	5285 x 1450 x 2514 mm
Dimensions L x W x H .....	208 x 57 x 99 inch
Basic frame .....	Hot dip galvanised
Doors .....	8 composite easy-access doors (lockable)
Fuel tank .....	Steel 450 ltr (120 US Gallon)
Fuel tank cap .....	100 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 point .....	Fitted with lifting points
Connections.....	Flange connections
Exhaust system .....	Exhaust 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.



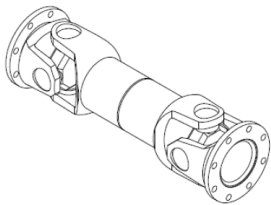
**LED lights**  
Fully integrated in the canopy for easy operation throughout the evening and night.



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