

**Pump specifications:**

Type.....	BA400G D540
Max. flow	14080 US GPM (3200 m3/hour)
Max. pressure	82 ft. / 35 PSI (25 mwc)
Discharge x suction	16" x 20" (DN400 x DN500)
Solids handling	3.93" (100 mm)
Impeller type	Axial flow impeller
Priming system	BBA MP100
Engine	Volvo Penta TAD572VE
Emission standard	Tier 4 final
Canopy	M14-40
Sound level	65 dB(A) at 33 ft.
Dry weight.....	13,860 lbs. (6300 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 fully automatic 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 demanding construction market.

World-class performance

The BA range is built to be deployed on the most demanding 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 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

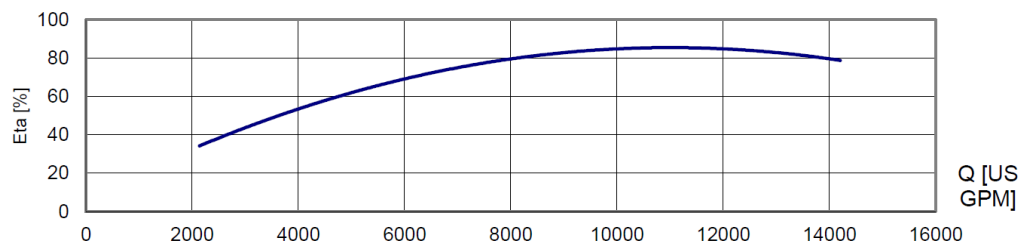
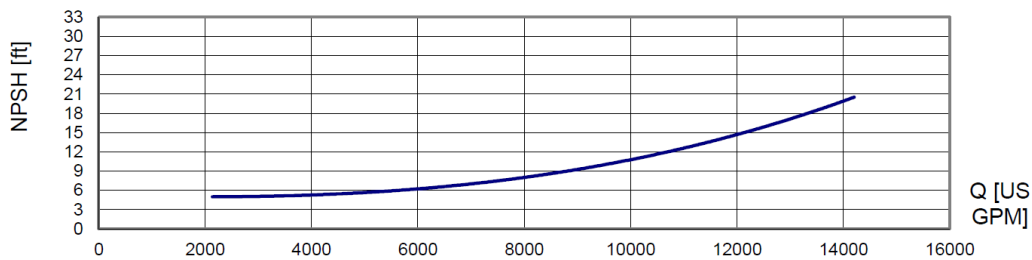
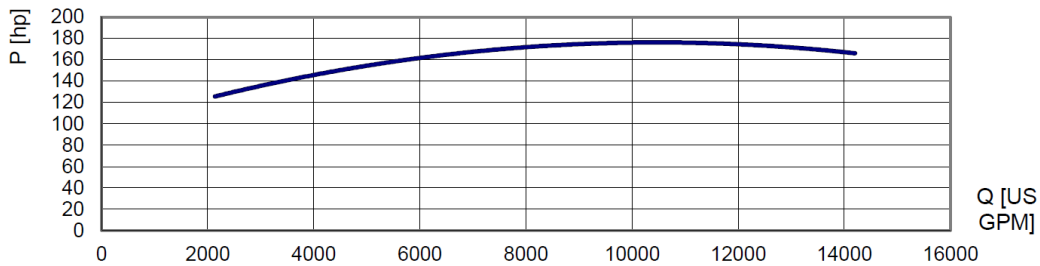
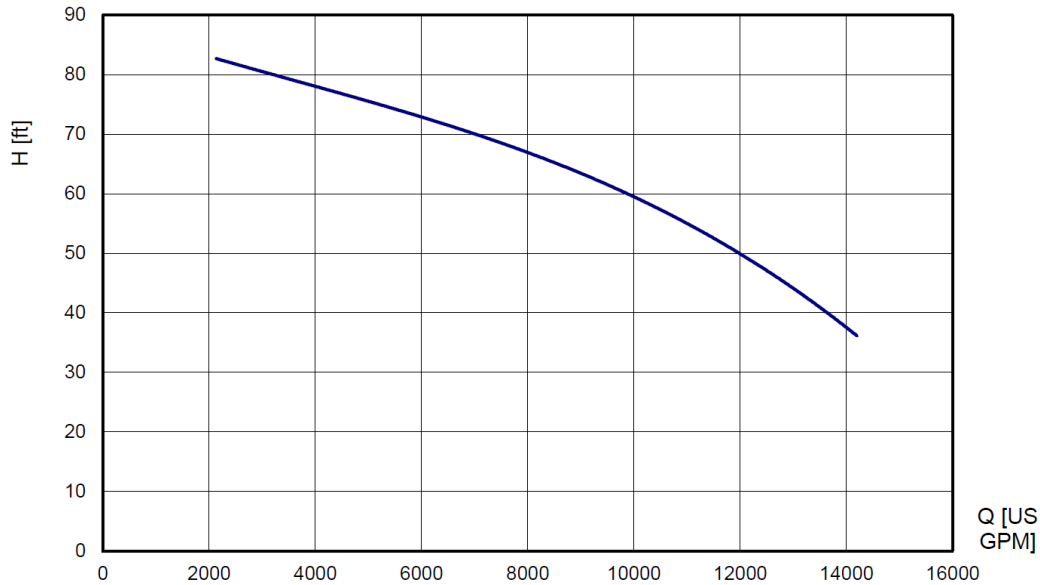
- Complete in-house design & production
- Over 60 years of experience in the market
- Extensive testing facility in-house
- Contemporary & functional design
- Durable & eco-friendly materials
- Custom builds available

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
- 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.....	14080 US GPM (3200 m ³ /hour)
Max. head.....	82 ft. / 35 PSI (25 mwc)
Impeller type.....	Axial flow impeller
Solids handling.....	3.93 inch (100 mm)
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.....	59 CFM (100 m ³ /h)
Max. vacuum.....	29 inHg (8.5 m)
Drive.....	Toothed belt
Float box.....	Aluminium
Float.....	Stainless steel 304
Non return valve.....	Cast iron GG25

Engine

Engine brand.....	Volvo Penta
Engine type.....	TAD572VE
Flywheel power.....	198 Hp (146 kW)
Engine speed.....	1620 RPM
Rating.....	IFN power
Fuel consumption.....	205 g/kWh
Displacement.....	5.1 l
Number of cylinders.....	4
Aftertreatment.....	SCR, AdBlue®
Emission level.....	Tier 4 final – Stage IV

BBA control panel LC45

- Auto start/stop system
- Two float switches included (10m cable)
- 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 120 gallon net (450 L)
- AdBlue® tank composite 66 gallon net (250 L)
- Electronic fuel injection system

Electrical system & safety features

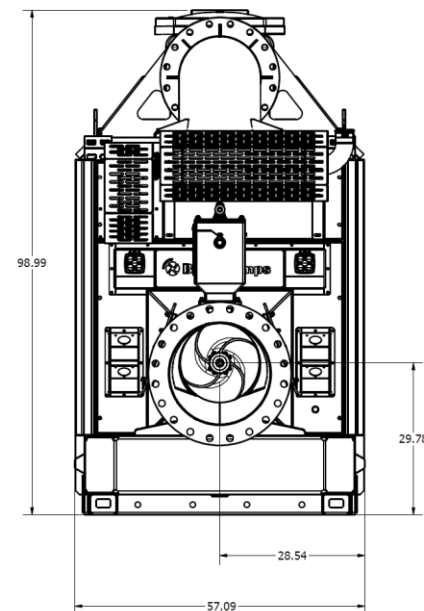
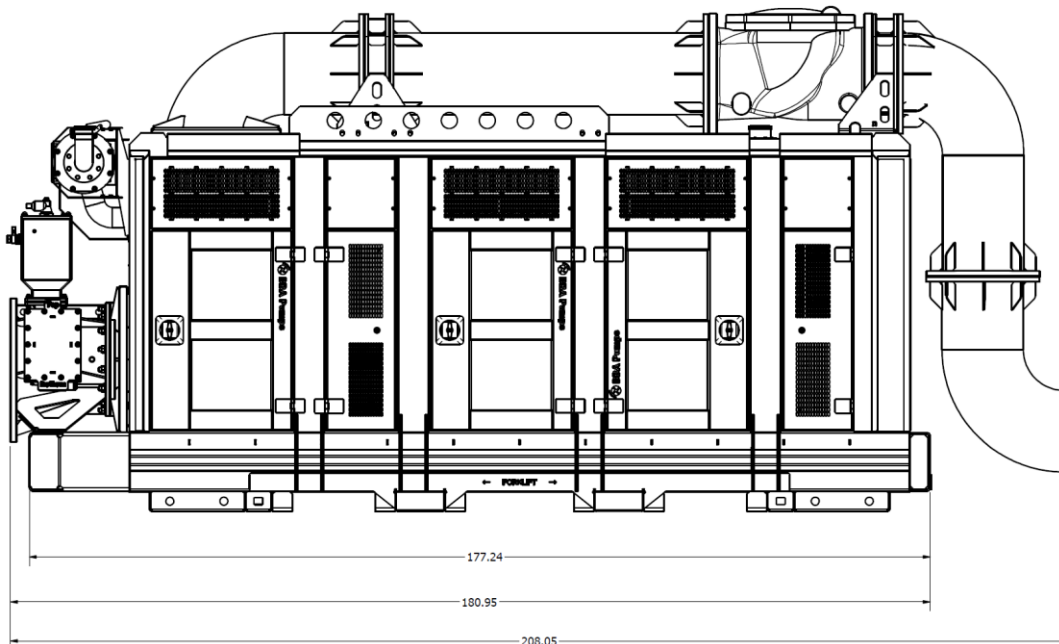
- Premium quality battery
- Low oil pressure shut down
- High temperature shut down



CANOPY M14-40 (discharge roof pipe)

BBA sound attenuating canopy

Canopy type.....	M14-40
Dimensions L x W x H	208 x 57 x 99 inch
Dimensions L x W x H	5285 x 1450 x 2514 mm
Basic frame.....	Hot dip galvanised
Doors	8 composite easy-access doors (lockable)
Fuel tank	Steel net 120 US gallon (450 ltr)
Fuel tank cap	4 inch (100 mm)
Addblue® tank	Composite net 66 US gallon (250 ltr)
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 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.



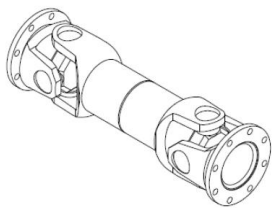
LED lights
 Fully integrated in the canopy for easy operation throughout the evening and night.



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



Fully 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 59 CFM (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.