



**Pump specifications:**

Type.....	BA300E D388
Max. flow .....	1450 m <sup>3</sup> /hour (6380 US GPM)
Max. pressure .....	48 mwc (159 ft.)
Discharge x suction .....	12" x 14" flanges
Solids handling .....	120 x 105 mm
Impeller type .....	Semi-open impeller
Priming system .....	BBA MP100
Engine .....	Volvo Penta TAD883VE
Emission standard .....	Stage V
Canopy .....	M14-40
Sound level.....	73 dB(A) at 10 m
Dry weight.....	5300 kg (11.660 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 bundled unit eliminating fuel/oil spills at all times

**Complete package designed & built by BBA Pumps**

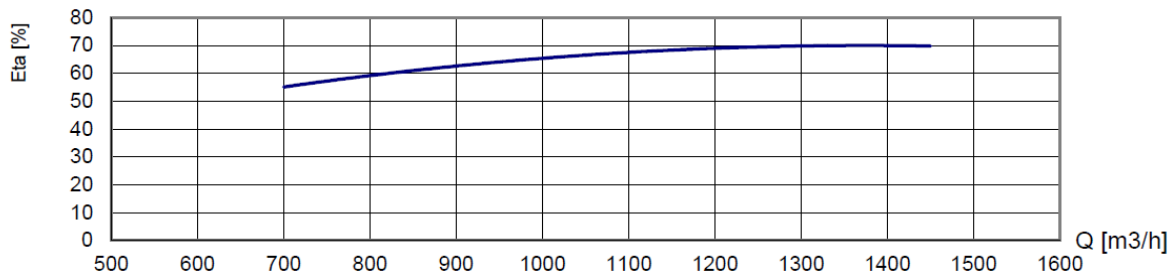
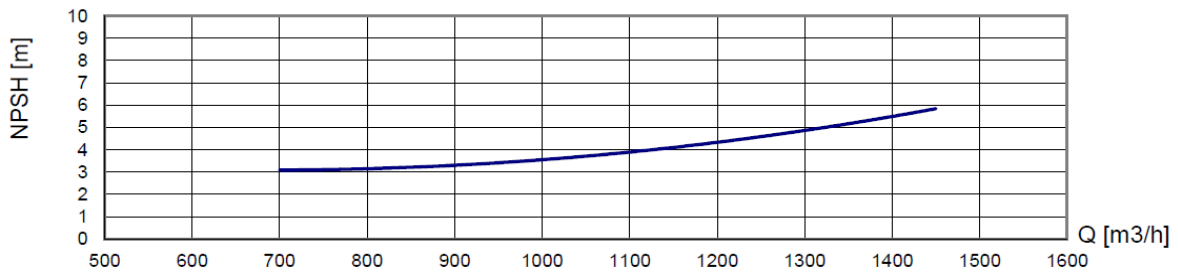
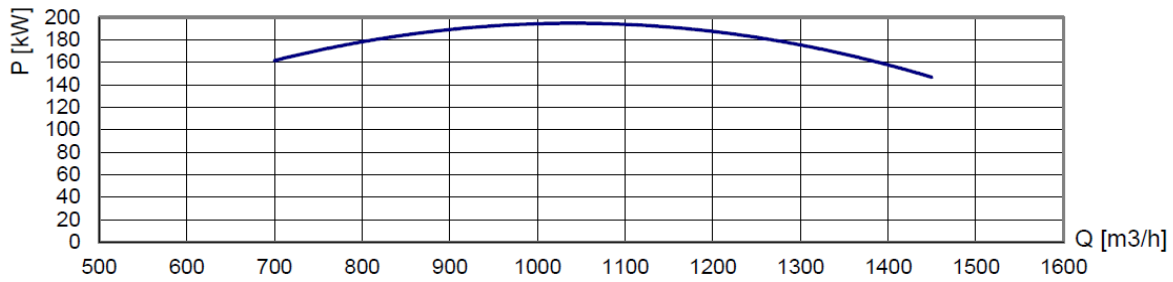
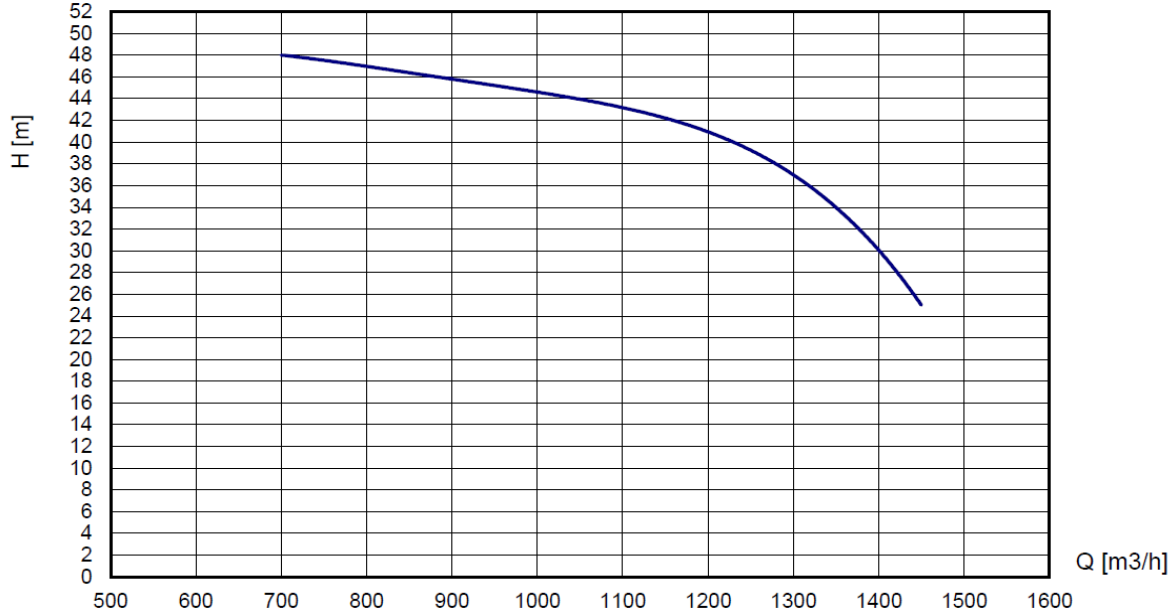
- Complete in-house design & production
- Over 60 years of experience in the market
- Complete testing facility in-house
- Contemporary & functional design
- Durable & eco-friendly materials
- Custom builds available

**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 (1800 RPM)

Continuous duty according ISO 9906



**STANDARD TECHNICAL SPECIFICATIONS**

**BBA auto prime pump**

Pump type.....	BA300E D388
Max. flow.....	1450 m <sup>3</sup> /hour (6380 US GPM)
Max. head.....	48 mwc (159 feet)
Impeller type.....	Semi-open impeller
Solids handling.....	120 x 105 mm (4.7 x 4 inch)
Best efficiency point.....	72%
Pump casing.....	Cast iron GG20
Impeller.....	Ductile iron GGG70
Wear plate.....	Cast iron GG25
Pump shaft.....	42CrV6
Shaft seal.....	Mechanical seal
Seal faces.....	Tung/Tung
O-ring.....	Viton



**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 (continuous drive)
Float box.....	Aluminium
Non return valve.....	Cast iron GG25
Check valve disc.....	Buna-N



**Engine**

Engine brand.....	Volvo Penta
Engine type.....	TAD883VE
Flywheel power.....	235 kW (320 Hp)
Engine speed.....	1300 - 1800 RPM
Fuel consumption.....	202 g/kWh
Displacement.....	7.7 ltr
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)



**Fuel system**

- Fuel tank 700 L. net (185 US Gallon)
- AdBlue® tank 180 L. net (48 US Gallon)
- Electronic fuel injection system

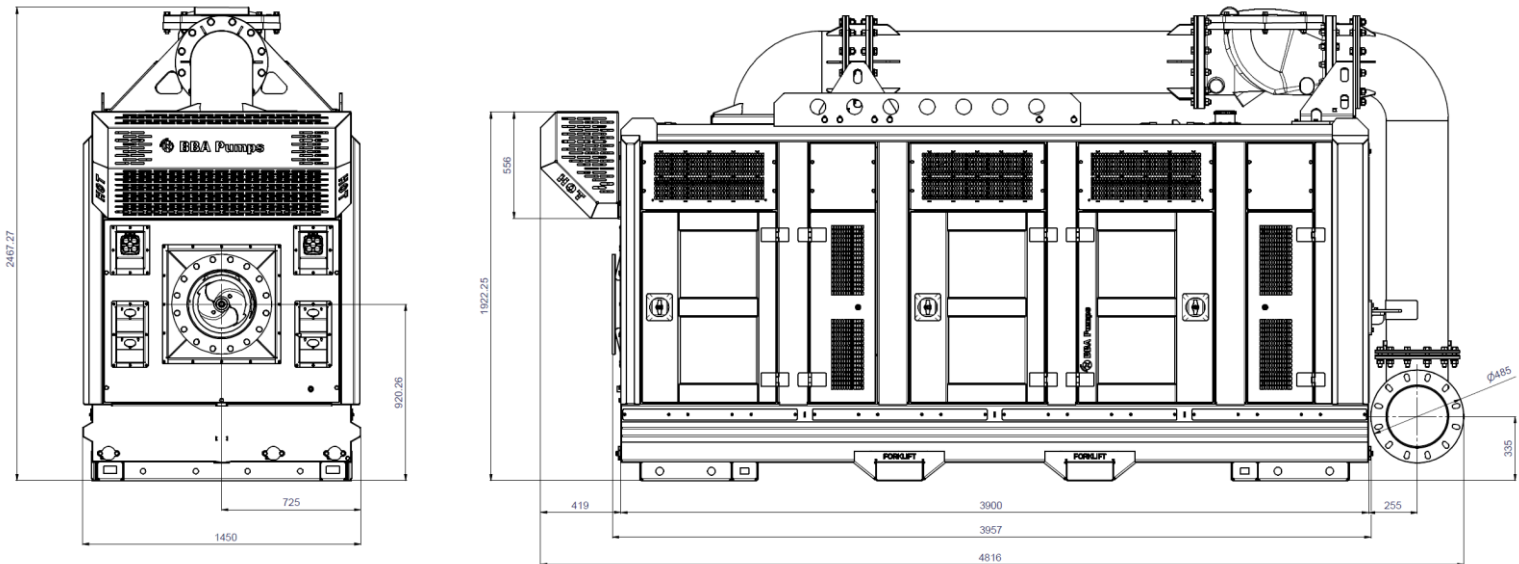
**Electrical system & safety features**

- 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 ..... 4816 x 1450 x 2467 mm
- Dimensions L x W x H ..... 189.6 x 57 x 97 inch
- Discharge connection ..... 12" DIN / ANSI flange with PCD K400 / K431,8 (12 holes)
- Suction connection ..... 14" DIN / ANSI flange with PCD K470 / K476,2 (16 holes)
- Basic frame.....Hot dip galvanised
- Doors .....6 composite easy-access doors (lockable)
- Fuel tank .....PE net 700 ltr (185 US Gallon)
- Fuel tank autonomy ..... 14 hours (at 1800 rpm BEP)
- Fuel tank cap ..... 100 mm (4 inch)
- Adblue® tank .....PE net 180 ltr (48 US Gallon)
- Forklift pockets..... Fitted with 2 forklift pockets
- Lifting point ..... Fitted with lifting points
- 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 quick couplings.



**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.



**Large inspection covers**  
Easy access to float box, impeller and non-return valve.



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



**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**  
Extensive user manual with important information concerning the pump unit, pump installation and safety warnings. Available in several languages.

Pictures used are for illustration purposes only.