
**Pump specifications:**

Type.....	BA300KS D388
Max. flow .....	1100 m <sup>3</sup> /hour (4840 US gpm)
Max. pressure .....	33 mwc (109 ft.)
Solids handling .....	130 mm
Impeller type .....	Screw channel impeller
Priming system .....	BBA MP100
Engine .....	Perkins 904J-E36TA
Emission compliant.....	Tier 4 final - Stage V
Canopy .....	M12-29
Discharge x suction .....	12" x 12" flanges
Sound level.....	Approx. 70 dB(A) at 10 m
Dry weight.....	3600 kg (7920 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
- 100% Oil-spill free priming system
- Fully bunded unit eliminating fuel/oil spills at all times

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

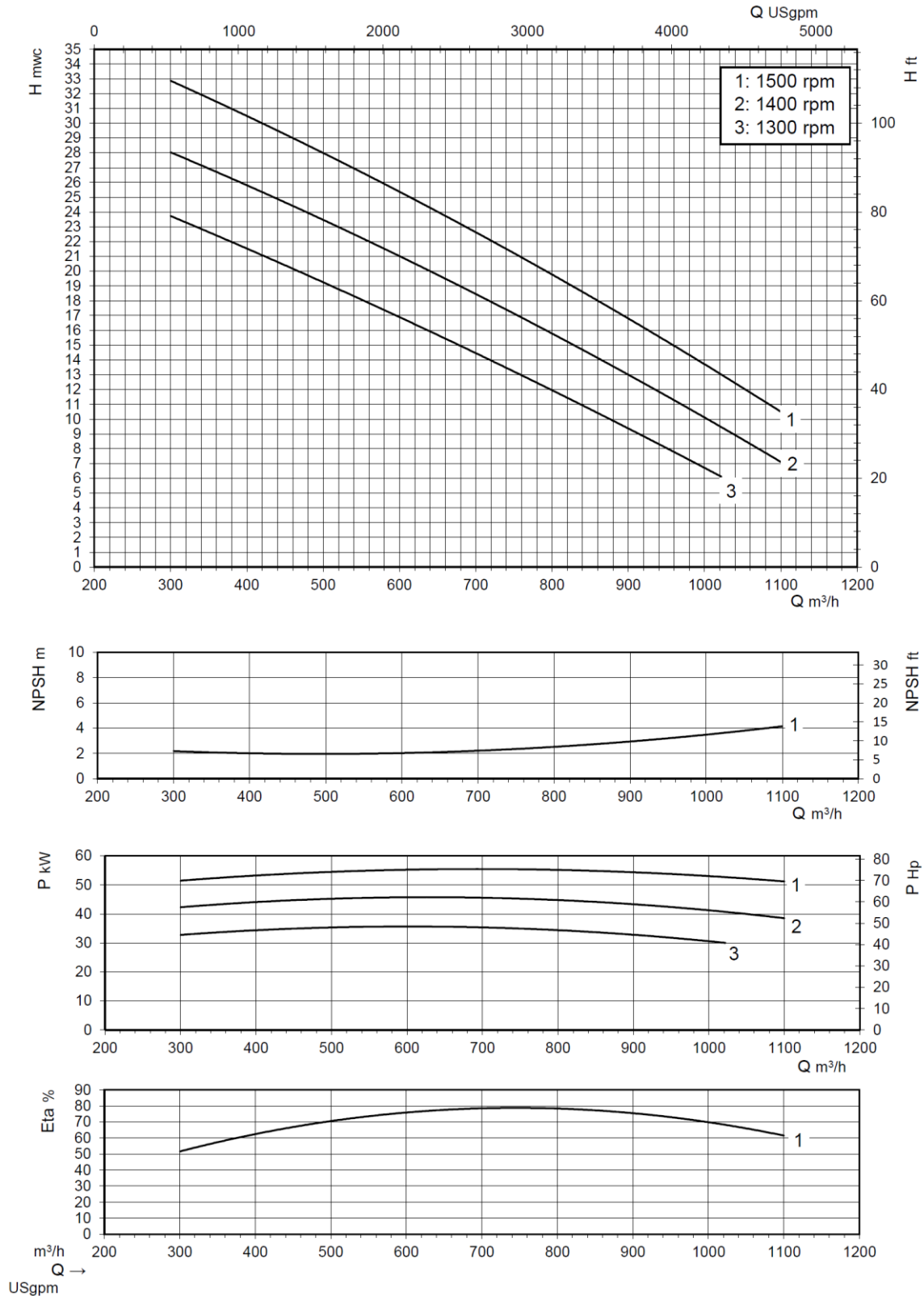
- Complete in-house design & production
- Over 60 years of experience in the market
- Extensive testing facility in-house
- Contemporary & functional design
- Durable & eco-friendly materials
- Custom builds available

**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

Continuous duty according ISO 9906



**STANDARD TECHNICAL SPECIFICATIONS**
**BBA auto prime pump**

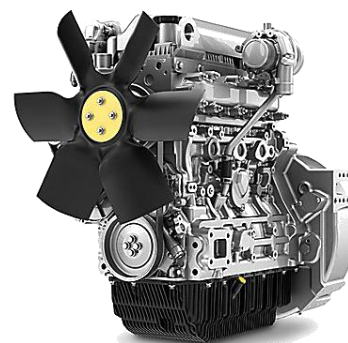
Pump type.....	BA300KS D388
Max. flow.....	1100 m <sup>3</sup> /hour (4840 US gpm)
Max. head.....	33 mwc (109 feet)
Impeller type.....	Screw channel impeller
Solids handling.....	130 mm (5.1 inch)
Pump casing.....	Cast iron GG25
Impeller w/ cutter slots.....	Chrome Moly 42CrM04
Suction piece.....	Chrome Moly 42CrM04
Backplate w/ cutting edges..	Cast iron GG25
Pump shaft.....	42CrMo4 heat treated
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.....	Perkins
Engine type.....	904J-E36TA
Max. power @ 2400 rpm.....	90 kW (122 Hp)
Engine speed.....	1300 - 1500 RPM
Fuel consumption.....	215 g/kWh
Displacement.....	3,6 litres
Number of cylinders.....	4
Aftertreatment.....	DOC, DPF and SCR
Emissions compliant.....	Tier 4 final - 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**

- Composite fuel tank 300 L (80 US gallon)
- Composite DEF tank 38 L (10 US gallon)
- Electronic fuel injection system

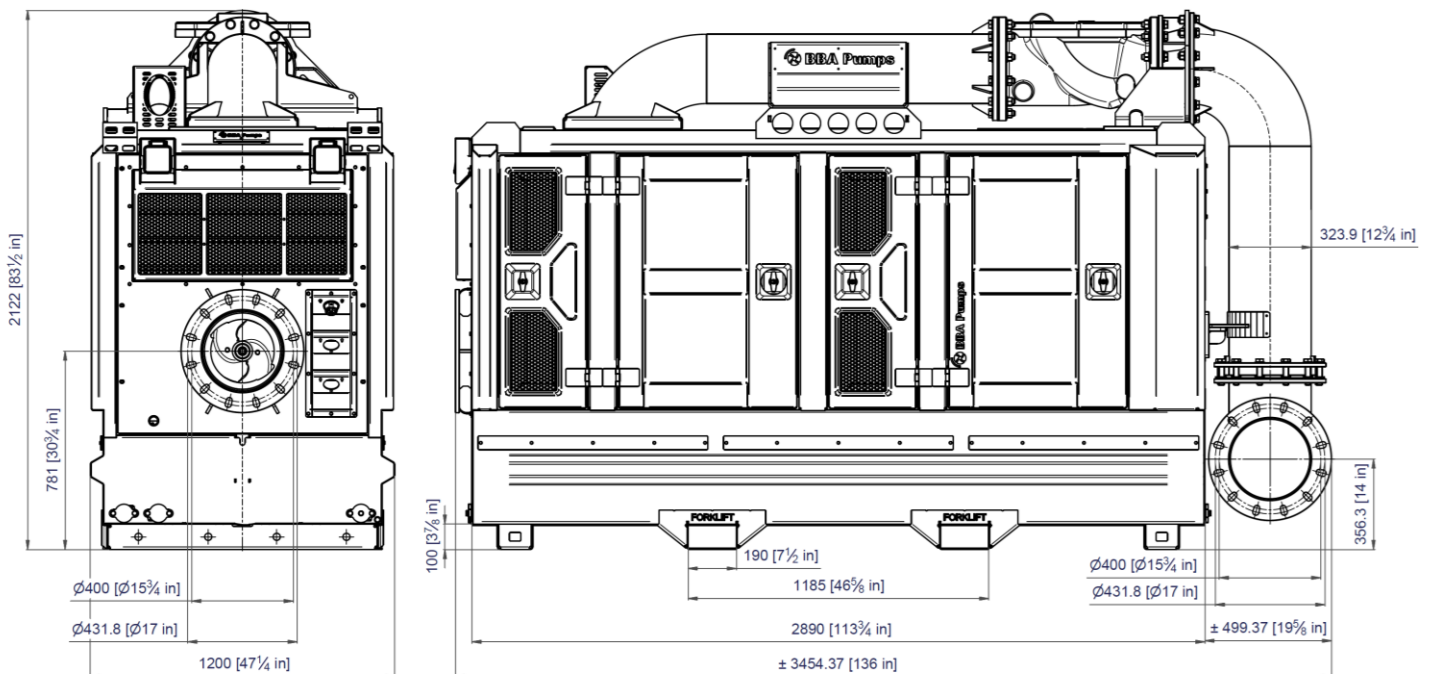
**Electrical system & safety features**

- Nominal voltage 12 Volt
- Premium quality battery
- Low oil pressure shut down

## CANOPY M12-29 (discharge roof pipe)

### BBA sound attenuating canopy

Canopy type.....	M12-29
Dimensions L x W x H .....	3455 x 1200 x 2125 mm
Dimensions L x W x H .....	136 x 47.2 x 83.5 inch
Discharge connection .....	12" DIN / ANSI flange with PCD K400 / K431,8 <b>rotatable</b> (12 holes)
Suction connection .....	12" DIN / ANSI flange with PCD K400 / K431,8 (12 holes)
Basic frame .....	Hot dip galvanised steel
Doors .....	8 composite easy-access doors (lockable)
Fuel tank .....	Composite net 300 ltr (80 US gallon)
Fuel tank autonomy .....	18 hours (at 1500 rpm BEP)
Fuel tank cap .....	100 mm (4 inch)
Additional .....	External fuel tank connection
DEF tank .....	Composite net 38 ltr (10 US gallon)
Forklift pockets .....	Fitted with 2 forklift pockets
Lifting point .....	Fitted with lifting points
Lighting .....	Interior and exterior lighting
Electrical isolation .....	Battery isolator switch
Safety .....	Emergency stop
Aftertreatment .....	Fully integrated in the canopy
Additional .....	Fitted with oil-water separator
Documentation box .....	BBA user manual and warranty book



Actual dimensions may vary depending on selected quick couplings.



**Screw channel impeller**  
This special designed closed screw impeller is a real waste warrior. Even at higher speed, or with pumping air bubbles, the pump runs vibration-free. The best choice for your sewer bypass jobs.



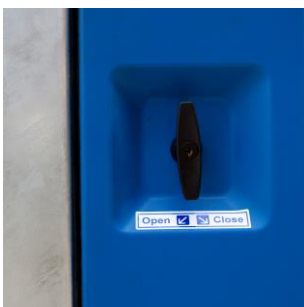
**Large inspection covers**  
Easy access to float box, impeller and non-return valve.



**Easy inspection**  
Oil glasses, drain valves and fill plugs are all easily accessible.



**Fuel tank**  
Fully bonded, corrosion-free, 300 liter, high-density polyethylene (HDPE) fuel tank, located in base of canopy.



**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.