



**Pump specifications:**

Type..... BA300K D350  
 Max. flow ..... 1550 m<sup>3</sup>/hour max (6824 US GPM)  
 Max. pressure ..... 24 mwc (80 ft.)  
 Connections..... Discharge DN 300 (12")  
 Connections..... Suction DN 350 (14")  
 Solids handling ..... 100 mm (3,94")  
 Impeller type ..... Semi-open impeller  
 Priming system ..... BBA MP100  
 Engine ..... Perkins 1106D-E66TA  
 Canopy ..... EW12-40  
 Weight (net) ..... 4500 kg (9900 lb)  
 Sound level..... Approx. 65 dB(A) at 10m

**FEATURES**

**BA auto prime pump**

The BA range of pumps have 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
- Emissions in accordance with EU stage & US EPA Tier regulations
- Corrosion free hot dip galvanised canopy
- Corrosion free composite door panels and powder coated plating
- 100% Oil-spill free priming system
- Fully banded unit eliminating fuel/oil spills at all times

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

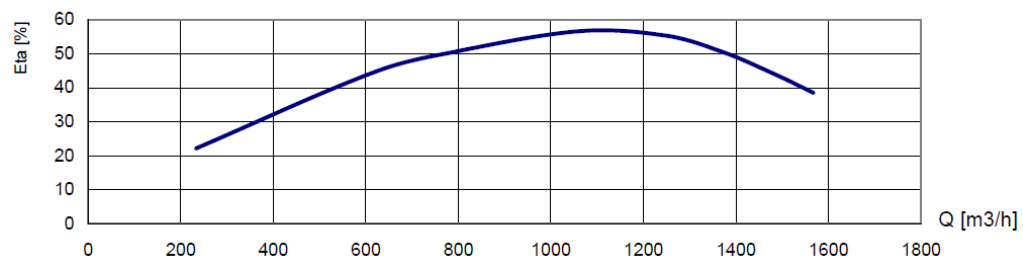
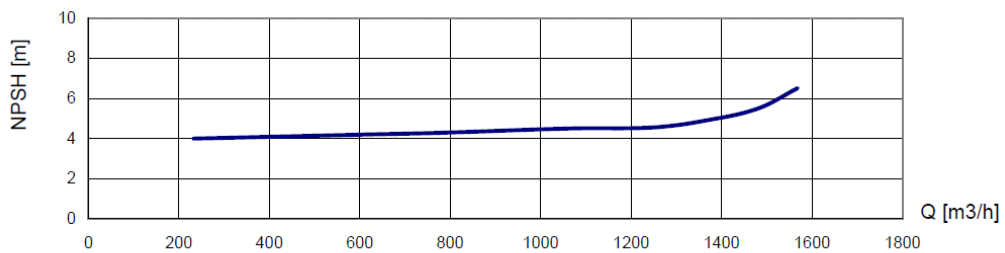
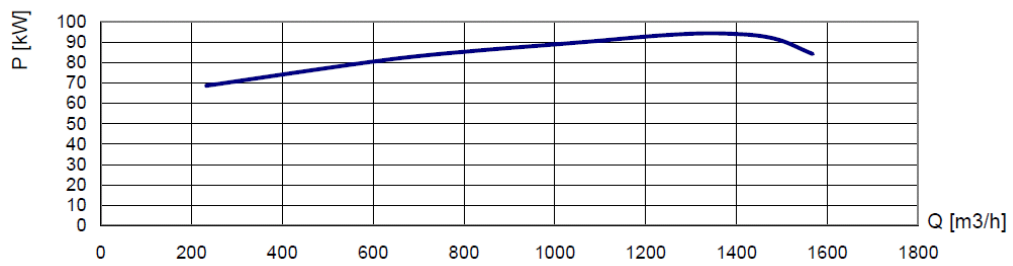
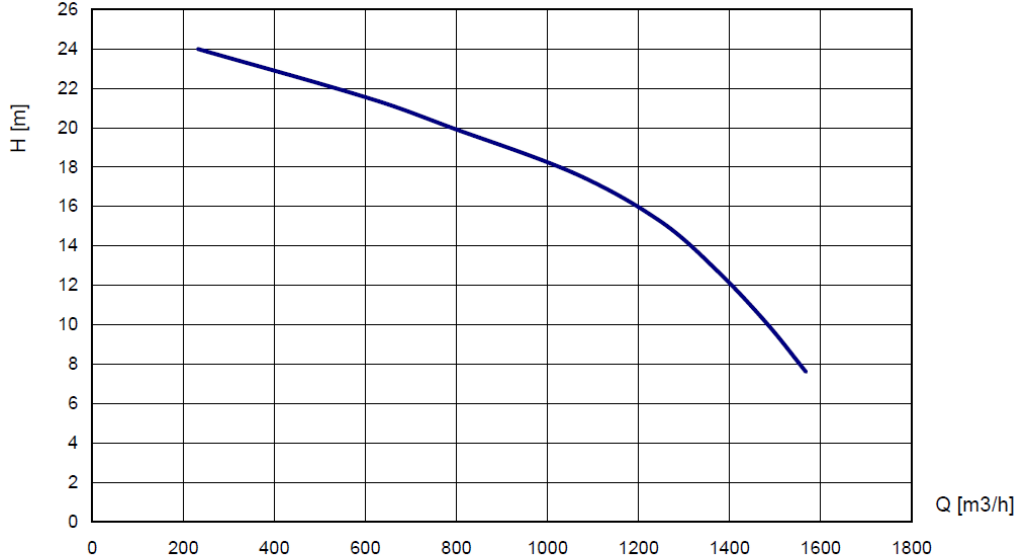
- Complete in-house design & production
- Over 60 years of experience in the market
- Complete testing facility in-house
- Contemporary & functional design
- Durable & eco-friendly materials
- Custom builds available

**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 (1500 RPM)**

Continuous duty according ISO 9906



Engine speed rpm	H mwc	Capacity Q in m <sup>3</sup> /h				Fuel consumption (BEP) l/h
		600	900	1200	1500	
1500		21	19	16	9	25
1400		18	16	14	8	20
1300		15	14	12	6	16

**STANDARD TECHNICAL SPECIFICATIONS**

**BBA auto prime pump**

Pump type.....	BA300K D350
Max. flow.....	1550 m <sup>3</sup> /hour (6824 US GPM)
Max. head.....	24 mwc (80 feet)
Impeller type.....	Semi-open impeller
Solids handling.....	100 mm (3.94 inch)
Pump casing.....	Cast iron GG20
Impeller.....	Cast iron GG25
Wear plate.....	Cast iron GG20
Pump shaft.....	42CrV6
Shaft seal.....	Mechanical seal 90mm (3.54 inch)
Seal faces.....	HM/HM
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
Float.....	SSte 304
Non return valve.....	Cast iron GG25
Check valve disc.....	Buna-N



**Engine**

Engine brand.....	Perkins
Engine type.....	1106D-E66TA
Flywheel power.....	110 kW (150 Hp)
Max. engine speed.....	1500 RPM
Fuel consumption.....	215 g/kWh
Displacement.....	6.6 l
Number of cylinders.....	6
Cooling system.....	Water cooled
Exhaust emission EU.....	Stage IIIA
Exhaust emission US.....	Tier 3

**BBA control panel LC08**

- Auto start/stop system
- Two float switches included (10m cable)
- RAMP-UP/DOWN function
- Rpm. control with push buttons
- Fuel gauge
- Warning lights
- CAN Monitor Display

The CAN-MD displays additional engine data, e.g. actual engine speed, working hours, battery voltage, fuel consumption and failures in clear text etc.



**Fuel system**

- PE fuel tank 300 L. net (80 US Gallon)
- Fuel tank cap Ø 60 mm
- Electronic fuel injection system (ACERT™)
- Fitted with water separator & extra in-line fuel filter

**Electrical system & safety features**

- Premium quality battery 180 amp. 24 Volt
- Low oil pressure shut down
- High temperature shut down
- Overload shutdown

**CANOPY EW12-40 (discharge roof pipe)**

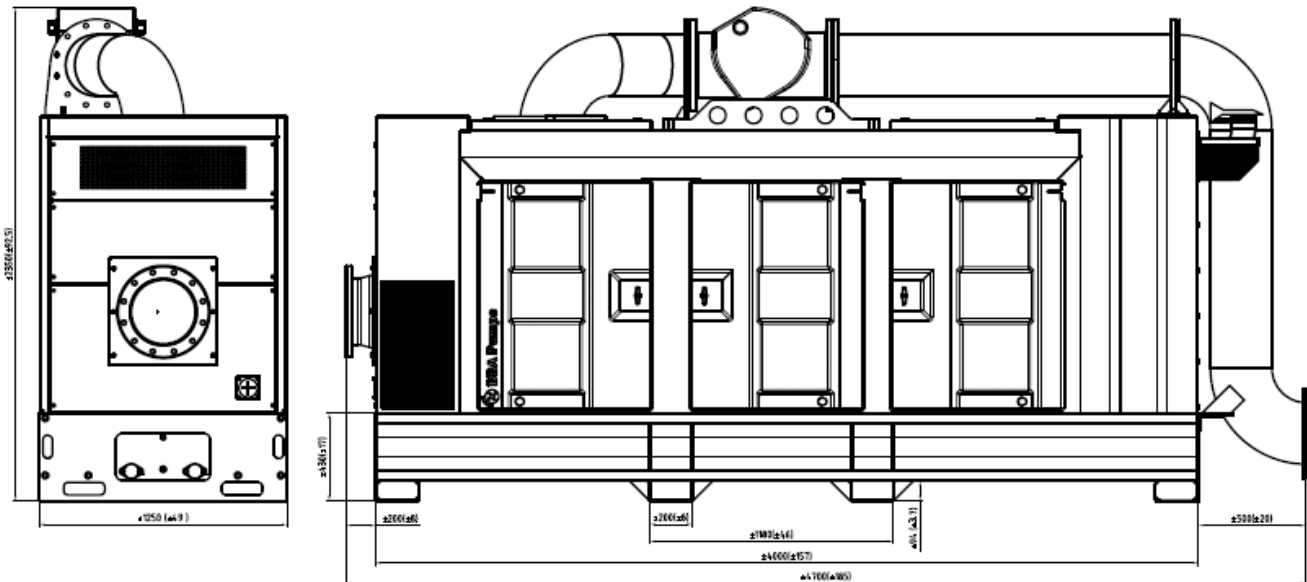
**BBA sound attenuating canopy**

- Canopy type..... EW12-40
- Dimensions L x W x H ..... 4500 x 1250 x 2350 mm
- Dimensions L x W x H ..... 177 x 49.2 x 92.5 inch
- Basic frame ..... Hot dip galvanised
- Panels ..... ABS/ASA
- Doors ..... 6 Easy-access doors (lockable)
- Fuel tank ..... PE net 300 ltr (80 US Gallon)
- Fuel tank autonomy ..... 12 hours (at 1500 rpm BEP)
- Fuel tank cap ..... 60mm (2.5 inch)
- Forklift pockets ..... Fitted with 2 forklift pockets
- Lifting point ..... Fitted with single lifting point
- Oil drain pump ..... Drain pump for motor oil installed (hand pump)
- Connections ..... Please consult "auxiliary items"
- Exhaust system ..... Fully integrated in canopy
- Radiator box ..... Fitted with quick release system for easy cleaning
- Additional ..... Fitted with oil-water separator



**BBA E-slide® system**

The EW12-40 canopy has been fitted with the BBA E-slide® system, meaning that the pump and the diesel engine are mounted on a sub-frame which can be removed quickly from the canopy. This facilitates cleaning of the canopy and also allows for quick and easy inspections and preventative maintenance work on the engine and pump should this be required.



Actual dimensions (in mm & inches) may vary depending on selected quick couplings.



**Double vacuum pump**  
Diaphragm pump, air-cooled, water-resistant and oil-spillage free. Air capacity of 100 m<sup>3</sup> per hour.



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



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



**Speedy servicing**  
The pump and diesel engine are mounted on a sub-frame which can be easily removed from the canopy to facilitate maintenance and servicing.



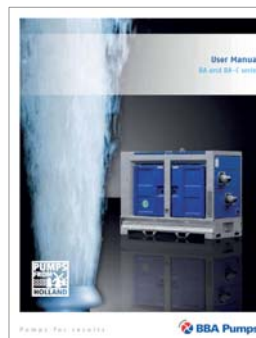
**Large inspection covers**  
Easy access to float box, impeller and non-return valve.



**Interchangeable parts**  
Modular construction to ensure minimal spare part stock levels.



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



**User Manual BA and BA-C**  
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.