



Pump specifications:

Type..... BA-C100H40 D498
 Max. flow 150 m³/hour max (660 US GPM)
 Max. pressure 175 mwc (586 ft.)
 Connections..... Discharge DN 75 (3")
 Connections..... Suction DN 100 (4")
 Solids handling 19 mm (0,75")
 Impeller type Closed impeller
 Priming system BBA MP50
 Engine Caterpillar C6.6 ACERT™
 Canopy EW12-40
 Weight (net) kg (lb)

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 bunded unit eliminating fuel/oil spills at all times

Complete package designed & built by BBA Pumps

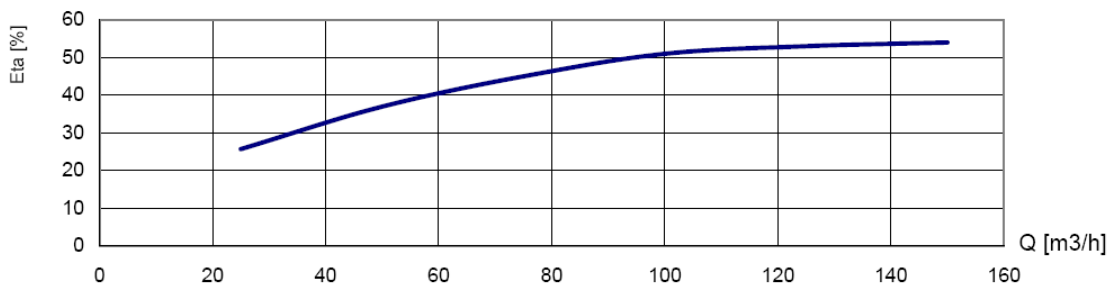
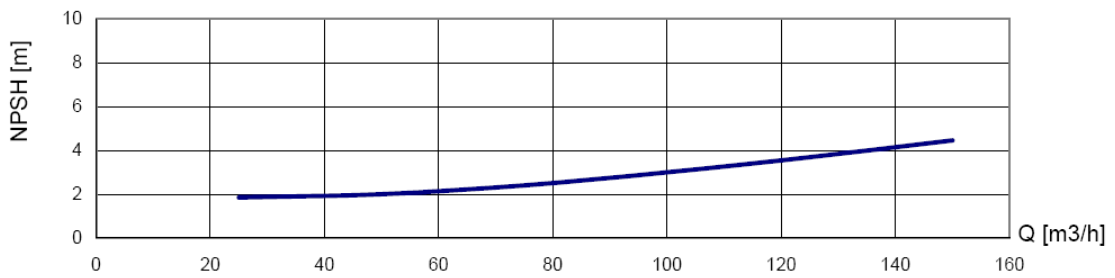
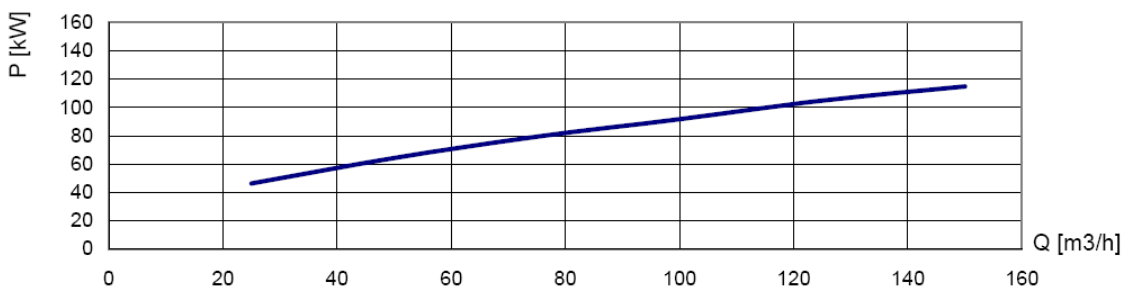
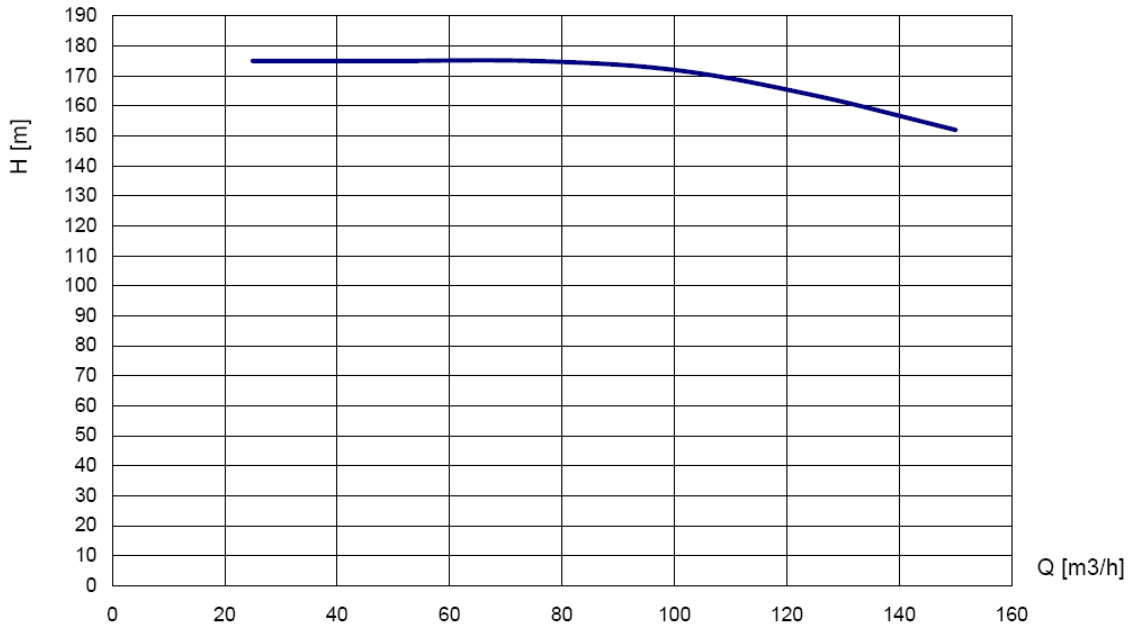
- Complete in-house design & production
- Over 60 years of experience in the market
- Complete testing facility in-house
- Contemporary & functional design
- Durable & eco-friendly materials
- Custom builds available

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 (2000 RPM)

Continuous duty according ISO 9906



STANDARD TECHNICAL SPECIFICATIONS

BBA auto prime pump

Pump type.....	BA-C100H40 D498
Max. flow.....	150 m ³ /hour (660 US GPM)
Max. head.....	175 mwc (586 feet)
Impeller type.....	Closed impeller
Solids handling.....	19 mm (0.75 inch)
Pump casing.....	Ductile iron GGG70
Impeller.....	Ductile iron GGG70
Wear ring.....	Cast iron GG20
Pump shaft.....	17-4Ph
Shaft seal.....	Cycloseal®
Seal faces.....	Tungsten/Sic
Additional.....	Run dry option

BBA priming system

Pump type.....	BBA MP50 Diaphragm pump
Air handling capacity.....	50 m ³ /h (30 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.....	Caterpillar
Engine type.....	C6.6 ACERT™
Flywheel power.....	128 kW (174 Hp)
Max. engine speed.....	2000 RPM
Fuel consumption.....	222 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

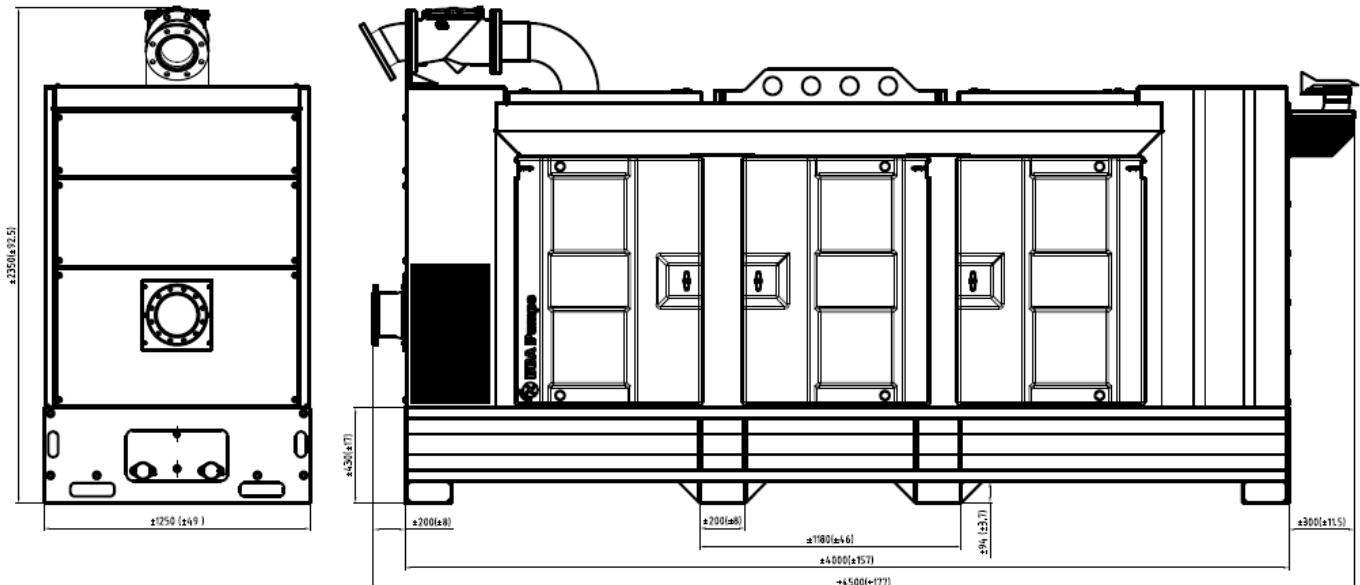
BBA sound attenuating canopy

Canopy type.....	EW12-40
Dimensions L x W x H	4000 x 1250 x 1996 mm (without connections)
Dimensions L x W x H	157.5 x 49.2 x 78.6 inch (without connections)
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	10 hours (at 2000 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

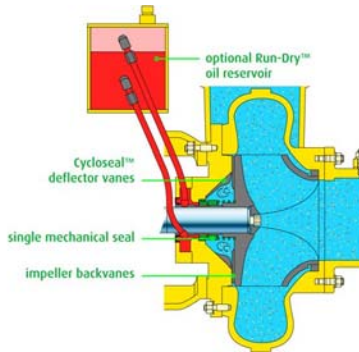


BBA E-slide® system

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.

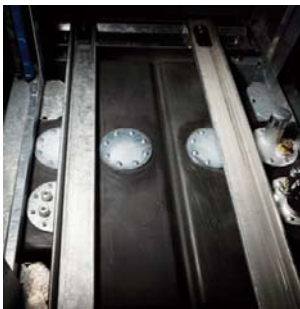


Cycloseal®
Cycloseal® design, with its unique deflector vanes, works with the impeller backvanes to create a cyclo-action. This action removes solids and abrasive material from the seal area.

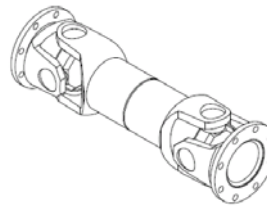


Speedy servicing

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



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



Cardan shaft

Cardan shaft between pump and diesel engine for smooth operation, assembly angle 2.5° - 3°



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



Interchangeable parts

Modular construction to ensure minimal spare part stock levels.

Pictures used are for illustration purposes only.