

Pump specifications:

Type.....	BA-C250S4 D444
Max. flow	1600 m ³ /hour (7000 US GPM)
Max. pressure	100 mwc (330 ft.)
Discharge x suction	10" ANSI x 14" DIN
Solids handling	86 mm – enclosed impeller
Priming system	BBA MP100
Engine	Volvo Penta TAD1382VE
Emission standard	Stage V
Canopy	EL23-58
Sound level.....	Approx. 82 dB (A) at 10 m
Dry weight.....	9500 kg (20,900 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 bunded unit eliminating fuel/oil spills at all times

Complete package designed & built by BBA Pumps

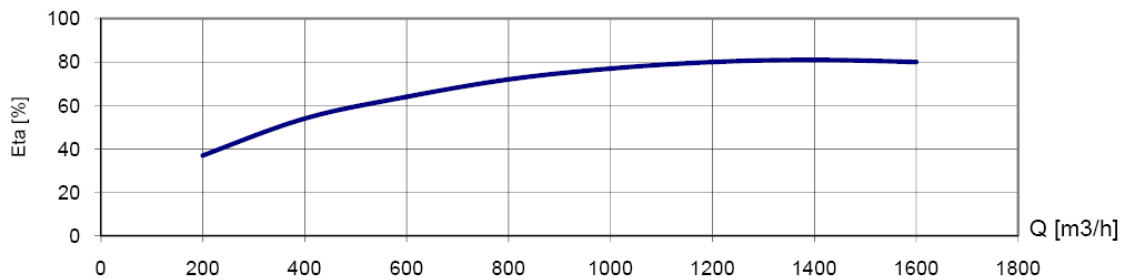
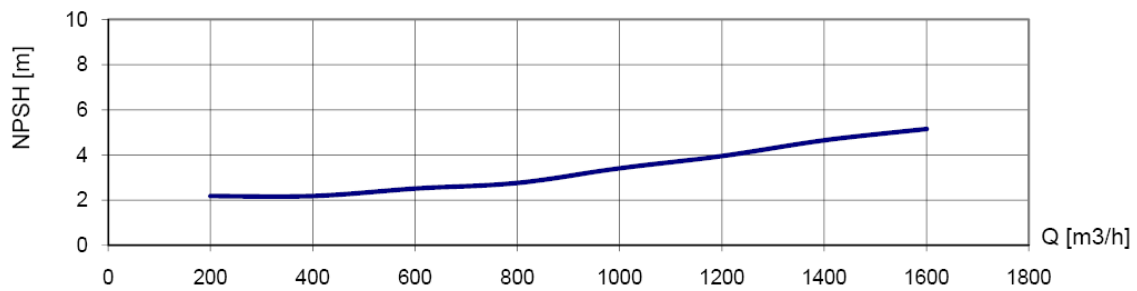
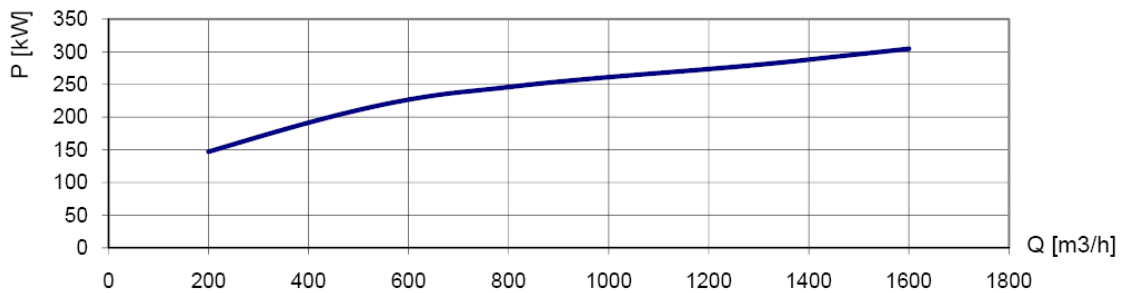
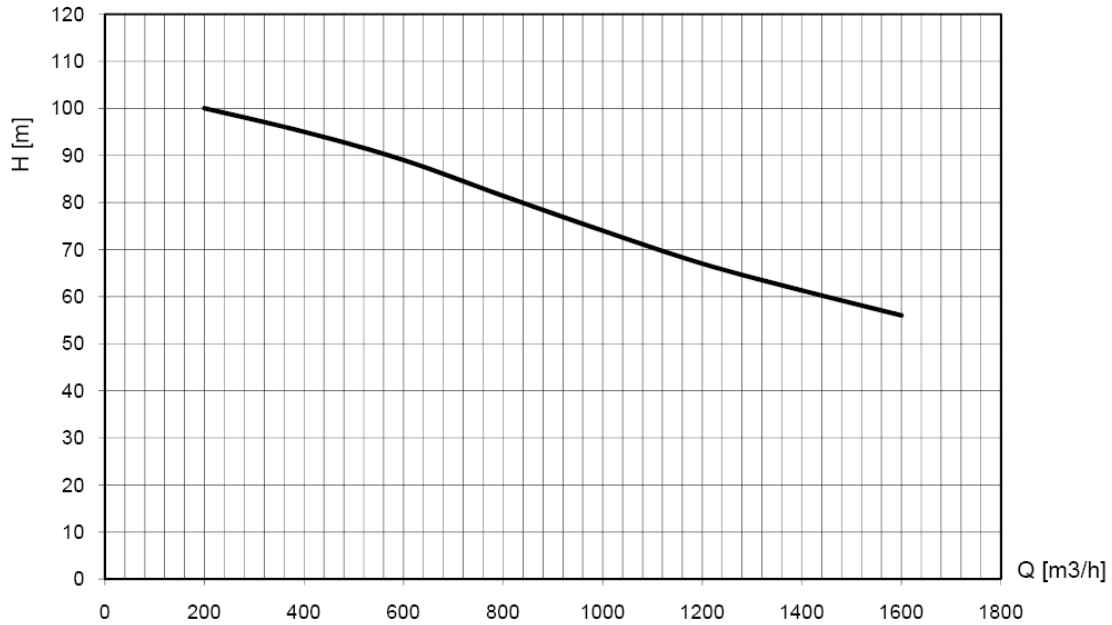
- Complete in-house design & production
- Over 60 years of experience in the market
- Complete testing facility in-house
- Contemporary & functional design
- Durable & eco-friendly materials
- Custom builds available

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 (1800 RPM)

Continuous duty according ISO 9906



STANDARD TECHNICAL SPECIFICATIONS

BBA auto prime pump

Pump type.....	BA-C250S4 D444
Max. flow.....	1600 m ³ /hour (7040 US GPM)
Max. head.....	100 mwc (330 feet)
Impeller type.....	Enclosed impeller
Solids handling.....	86 mm (3.39 inch)
Pump casing.....	Cast iron GG20
Impeller.....	Cast iron GG20
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 MP100 Diaphragm pump
Air handling capacity.....	100 m ³ /h (59 CFM)
Max. vacuum.....	8.5 m (29 inHg)
Float box.....	Aluminium
Float.....	SSte 304
Non return valve.....	Cast iron GG25
Check valve disc.....	Buna-N

Engine

Engine brand.....	Volvo Penta
Engine type.....	TAD1382VE
Flywheel power.....	305 kW (415 Hp)
Engine speed.....	1800 RPM
Fuel consumption.....	208 g/kWh
Displacement.....	12.78 l
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

- PE fuel tank 300 L. net (80 US Gallon)
- Fuel tank cap Ø 60 mm
- Electronic fuel injection system

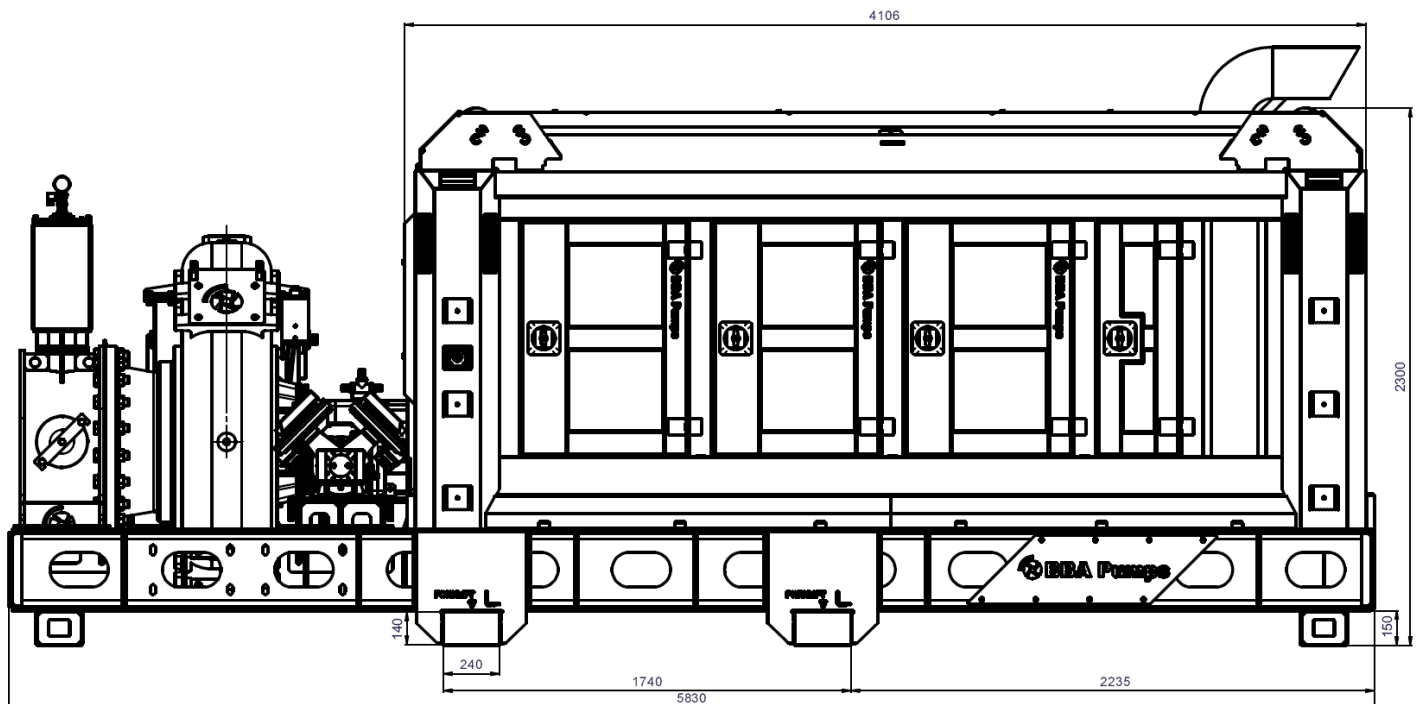
Electrical system & safety features

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

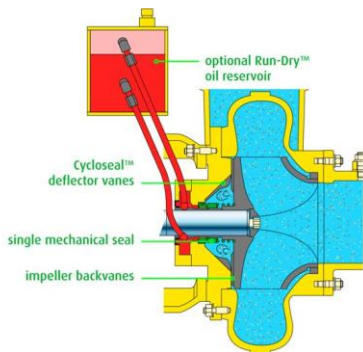
CANOPY EL23-58

BBA sound attenuating canopy

Canopy type.....	EL23-58
Dimensions L x W x H	5830 x 2306 x 2300 mm
Dimensions L x W x H	229 x 90.8 x 90.5 inch
Basic frame.....	Hot dip galvanized
Doors	8 Easy-access doors (lockable)
Door panels	ABS/ASA
Fuel tank	PE net 300 ltr. (80 US Gallon)
Fuel tank autonomy	4 hours (at 1800 rpm BEP)
Fuel tank cap	60 mm (2.5 inch)
AdBlue® tank.....	PE net 300 ltr.(80 US Gallon)
Forklift pockets.....	Fitted with 2 forklift pockets
Lifting point	Fitted with 4 lifting points
Oil drain pump	Drain pump for motor oil installed (hand pump)
Connections.....	Please consult "auxiliary items"
Exhaust system	Aftertreatment fully integrated in the canopy
Emergency stop.....	Applicable
Additional	Fitted with oil-water separator
Documentation	User manual & BBA warranty book



Actual dimensions (in mm) 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.



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



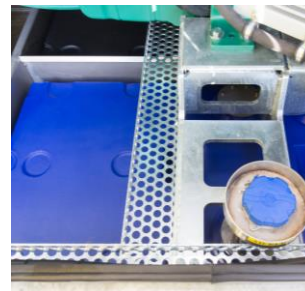
Factory Acceptance Test
Extensive testing facility in-house. FAT must be conducted formally and be witnessed by the owner and/or project manager.



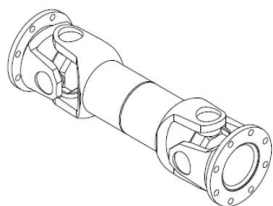
Large inspection covers
Easy access to float box, impeller and non-return valve.



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



Fully banded unit
Fully stainless steel 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°



Double vacuum pump
Diaphragm pump, air-cooled, water-resistant and oil-spillage free. Air capacity of 100 m³ per hour.

Pictures used are for illustration purposes only.