

BA700G Diesel Driven

Ultra High Flow Dewatering Pump

Max. 7800 m³/hour, Max. 23 mwc



Pump specifications:

Type.....BA700G D810
Max. flow7800 m³/hour (34300 US GPM)
Max. pressure.....23 mwc (76 ft.)
Connections.....Discharge DN700 – Suction DN800
Solids handling145 mm (5,7")
Impeller typeAxial flow impeller
Priming systemBBA MP100
EngineVolvo Penta TAD1345VE
Emission standard..Stage II – Tier 2
CanopyEL23-58
Sound level.....75 dB(A) at 10 m
Dry weight.....12.000 kg (26,400 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 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



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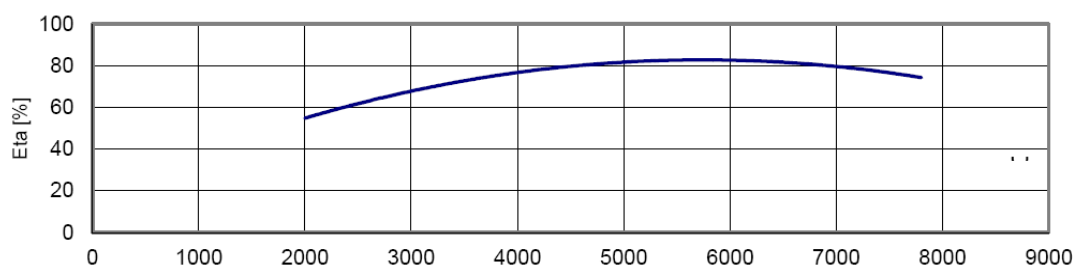
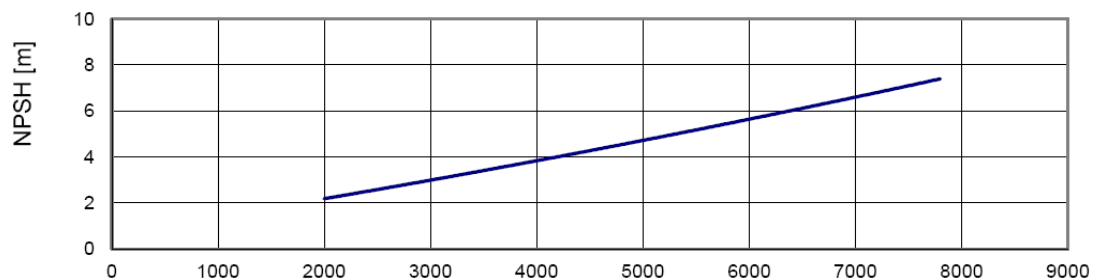
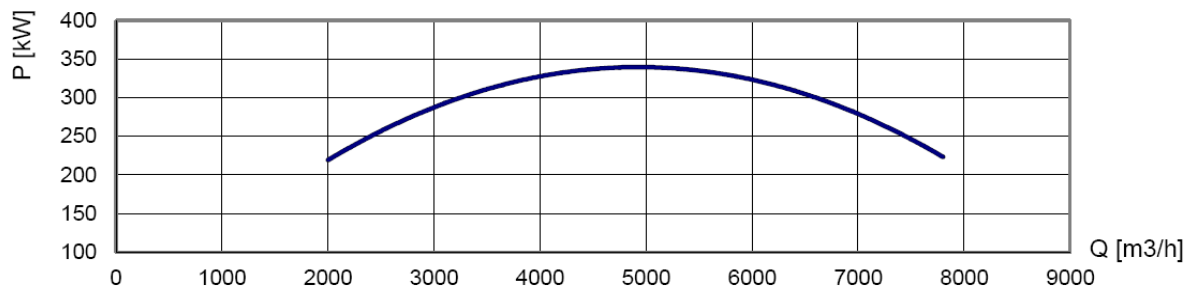
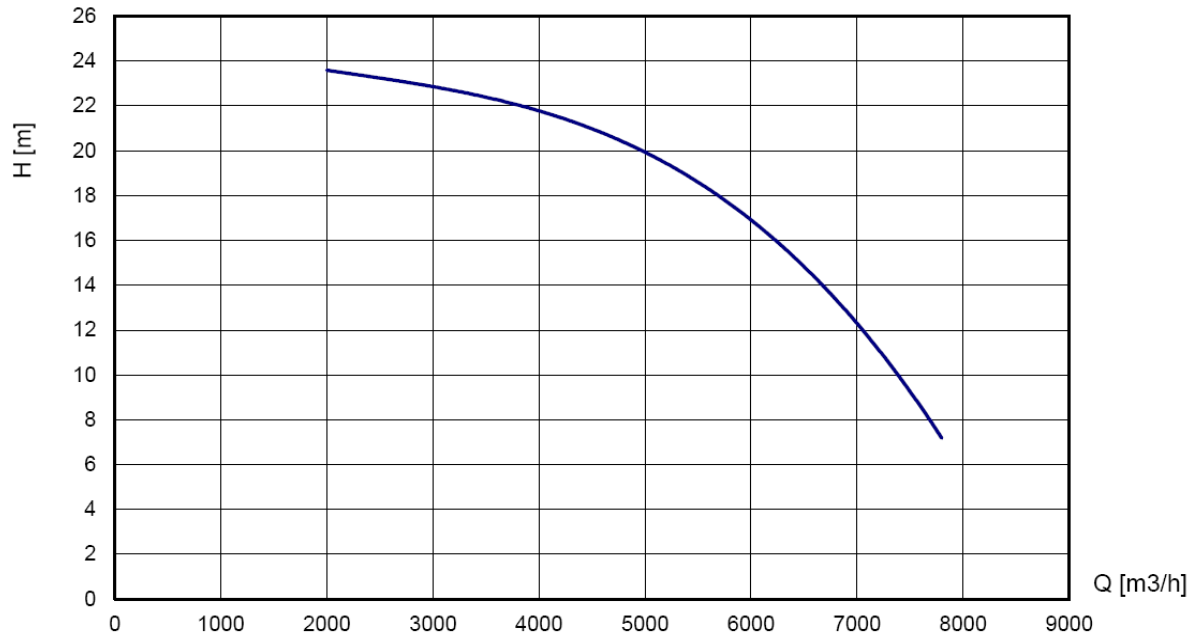
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PERFORMANCE CURVES (590 RPM)

Continuous duty according ISO 9906



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STANDARD TECHNICAL SPECIFICATIONS

BBA auto prime pump

Pump type.....	BA700G D810
Max. flow.....	7800 m ³ /hour (34300 US GPM)
Max. head.....	23 mwc (76 feet)
Discharge flange.....	DN700 (PN6) K810
Suction flange.....	DN800 (PN6) K920
Impeller type.....	Axial flow impeller
Solids handling.....	145 mm (5.7 inch)
Best efficiency point.....	85%
Pump casing.....	Cast iron GG20
Impeller.....	Ductile iron GGG40
Pump shaft.....	42CrV6
Shaft seal.....	Mechanical seal



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)
Drive.....	E-motor 24V
Float box.....	St 37 hot dip galv.
Float.....	Stainless steel 304
Start/stop.....	Fully automatic



Engine

Engine brand.....	Volvo Penta
Engine type.....	TAD1345VE
IFN power.....	368 kW (500 Hp)
Rating.....	IFN power
Fuel consumption.....	200 g/kWh
Governor type.....	Electronic
Displacement.....	12.78 l
Number of cylinders.....	6
Emission level.....	Stage II – Tier 2

BBA control panel LC30

- Auto start/stop system
- Two float switches included (10 m cable)
- Switch Manual-0-Auto
- Rpm. control with push buttons
- Warning lights
- The 4.3" LCD monitor displays additional engine data, e.g. actual engine speed, working hours, battery voltage, fuel consumption and failures in clear text (10 language support)



BBA non-return valve DN700

Flange size entrance.....	DN700 PN6
Flange size delivery.....	DN800 PN6
Casing.....	St 37 hot dip galvanised
Max. pressure.....	3.5 bar – 50 PSI

(More technical details see separate non-return valve data sheet)



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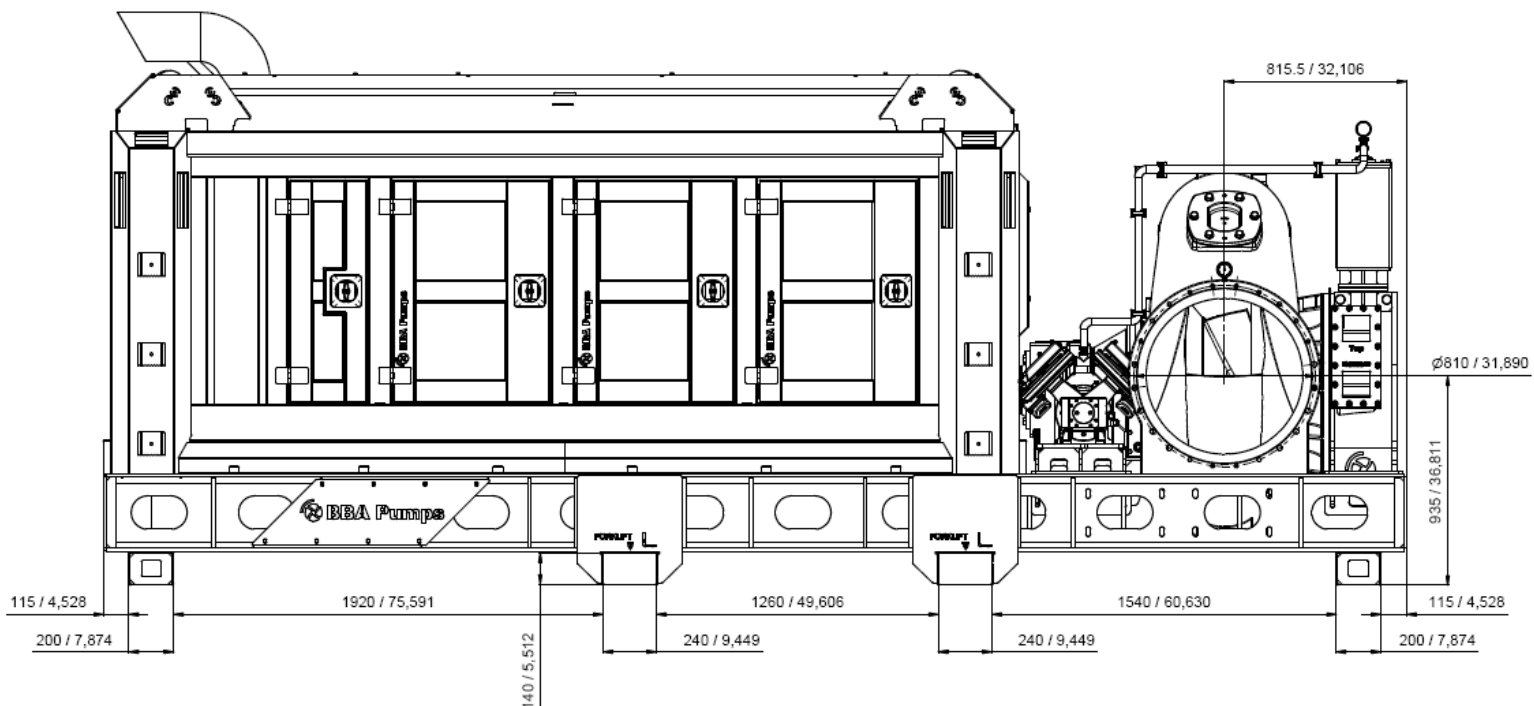
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CANOPY EL23-58

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 galvanised
Doors	8 Easy-access doors (lockable)
Door panels	ABS/ASA
Fuel tank	PE net 300 ltr. (80 US Gallon)
Fuel tank autonomy	3 hours (at 1500 rpm BEP)
Fuel tank cap	60 mm (2.5 inch)
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	Integrated in the canopy
Emergency stop.....	Applicable
Additional	Fitted with oil-water separator
Documentation	User manual & BBA warranty book



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

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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.



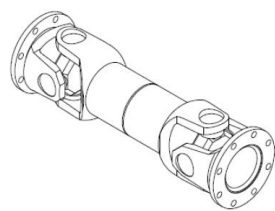
Safety

Extremely durable and lockable T-locks offering perfect grip.



Fuel tank

Fully bunded, 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°



Ratio transmission gearbox

Hydraulically actuated clutches and helical gearing for a smooth operating speed reduction between engine and pump.



Double vacuum pump

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



User manual BA series

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