

BA300E Diesel Driven

Dewatering and Sewage Pump

Max. 1450 m³/hour, Max. 48 mwc



Pump specifications:

Type	BA300E D388
Max. flow	1450 m ³ /hour (6380 US GPM)
Max. pressure	48 mwc (159 ft.)
Connections	DN300 x DN350 (12" x 14")
Solids handling	120 x 105 mm
Impeller type	Semi-open impeller
Priming system	BBA MP100
Engine	Volvo Penta TAD873VE
Emission standard	Stage IV / Tier 4 final
Canopy	M14-40
Sound level	Approx. 78 dB(A) at 10 m
Weight (net)	5300 kg (11.660 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
- 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

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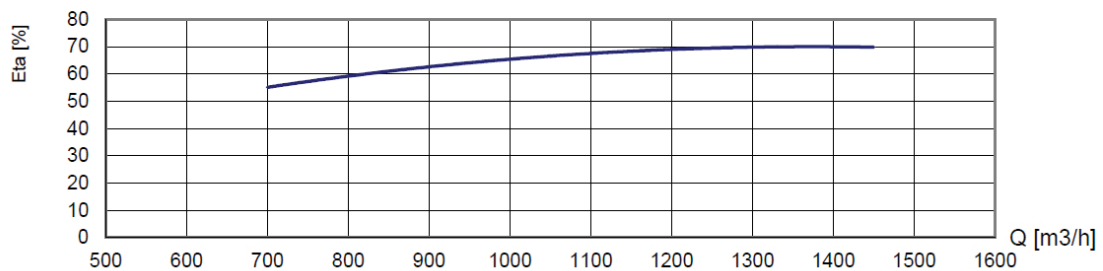
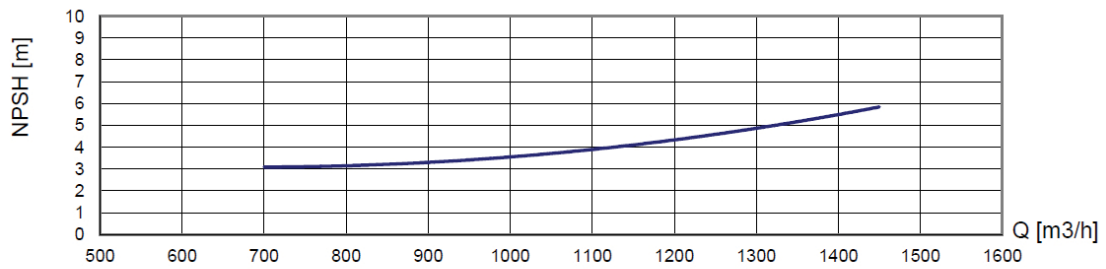
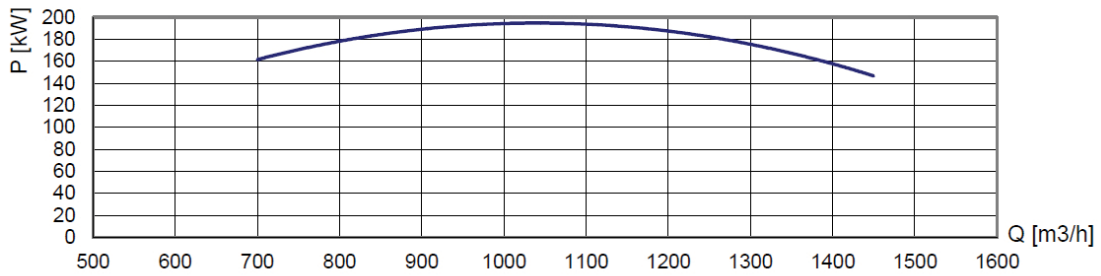
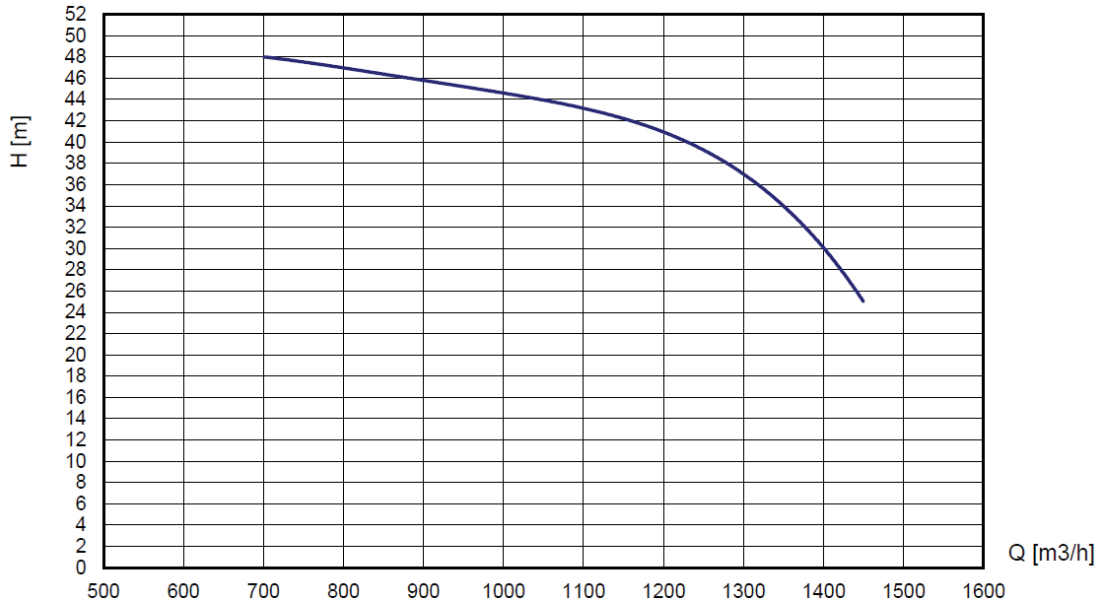
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PERFORMANCE CURVES (1800 RPM)

Continuous duty according ISO 9906



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STANDARD TECHNICAL SPECIFICATIONS

BBA auto prime pump

Pump type	BA300E D388
Max. flow	1450 m ³ /hour (6380 US GPM)
Max. head	48 mwc (159 feet)
Impeller type	Semi-open impeller
Solids handling	120 x 105 mm (4.7 x 4 inch)
Best efficiency point	72%
Pump casing	Cast iron GG20
Impeller	Chrome Moly 42CrM04
Wear plate	Cast iron GG25
Pump shaft	42CrV6
Shaft seal	Mechanical seal
Seal faces	HM/HM
O-ring	Viton



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	Toothed belt (continuous drive)
Float box	Aluminium
Non return valve	Cast iron GG25
Check valve disc	Buna-N



Engine

Engine brand	Volvo Penta
Engine type	TAD873VE
Flywheel power	235 kW (320 Hp)
Engine speed	1300 - 1800 RPM
Fuel consumption	202 g/kWh
Displacement	7.7 ltr
Number of cylinders	6
Aftertreatment	SCR (=AdBlue)
Emission standard	Stage IV / Tier 4 final

Fuel system

- Fuel tank 220 L. net (58 US Gallon)
- AdBlue[®] tank 220 L. net (58 US Gallon)
- Electronic fuel injection system

Electrical system & safety features

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



BBA control panel LC30

- Auto start/stop system
- Two float switches included (10m cable)
- Switch Manual-0-Auto
- RAMP-UP/DOWN function
- Rpm. control with push buttons
- Warning lights
- 4.3" LCD monitor

The 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)

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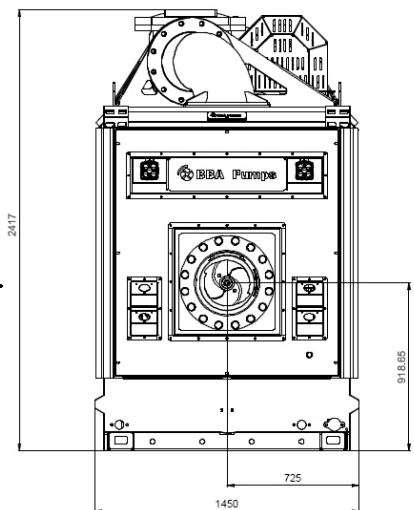
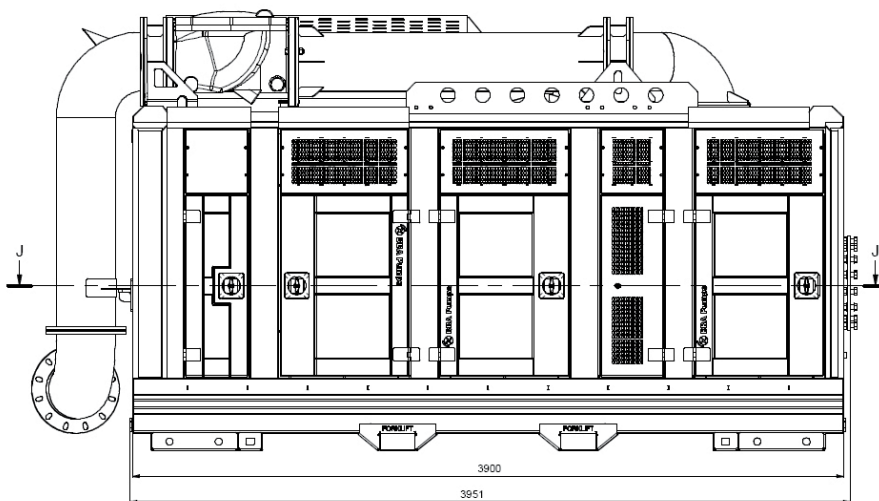
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CANOPY M14-40 (discharge roof pipe)

BBA sound attenuating canopy

Canopy type	M14-40
Dimensions L x W x H	3950 x 1450 x 2417 mm
Dimensions L x W x H	156 x 57 x 95 inch
Basic frame	Hot dip galvanised
Doors	8 composite easy-access doors (lockable)
Fuel tank	PE net 220 ltr (58 US Gallon)
Fuel tank autonomy	4 hours (at 1800 rpm BEP)
Fuel tank cap	100 mm (4 inch)
Adblue® tank	PE net 220 ltr (58 US Gallon)
Forklift pockets	Fitted with 2 forklift pockets
Lifting point	Fitted with 2 lifting points
Connections	Flange connections
Exhaust system	Exhaust mounted on roof canopy
Aftertreatment	Fully integrated in the canopy
Additional	Fitted with oil-water separator
Documentation box	BBA user manual and warranty book



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

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Factory Acceptance Test

Extensive testing facility inhouse. 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.



Large inspection covers

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



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.



User Manual BA series

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