



BA300E Diesel Driven

Dewatering and Sewage Pump

Max. 1450 m³/hour, Max. 48 mwc



Pump specifications:

- Type BA300E D388
- Max. flow 1450 m³/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. 67 dB(A) at 7m
- 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 the regulations in all continents except Europe & North America
- 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





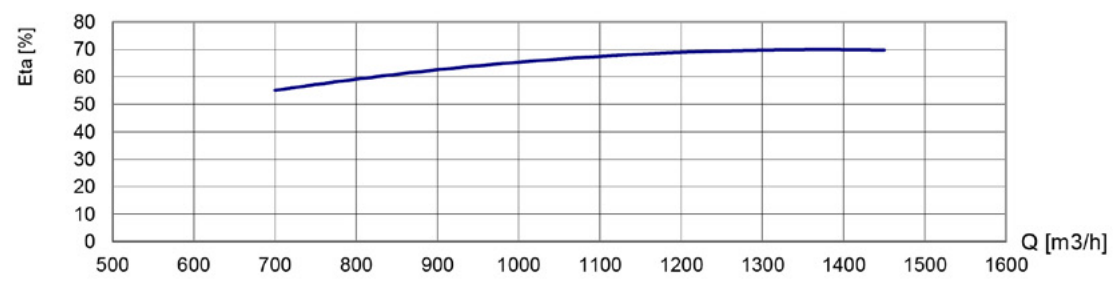
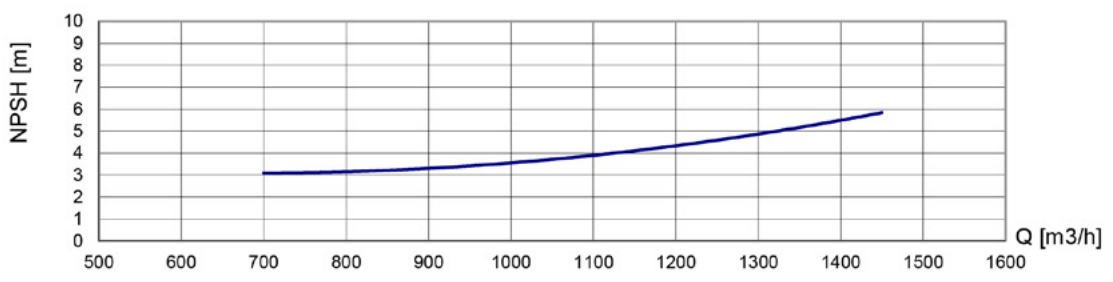
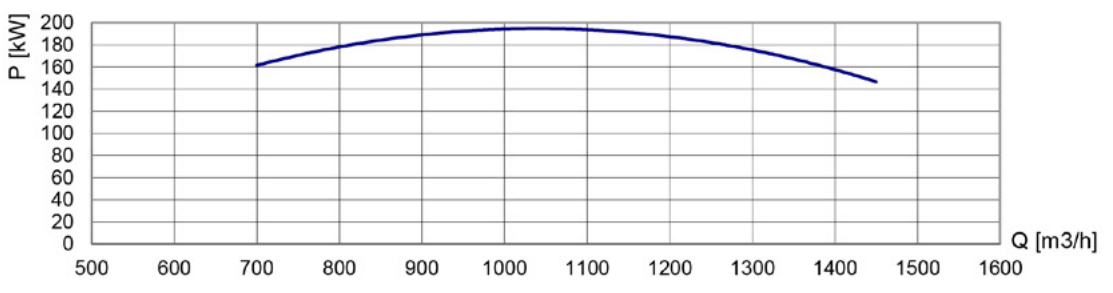
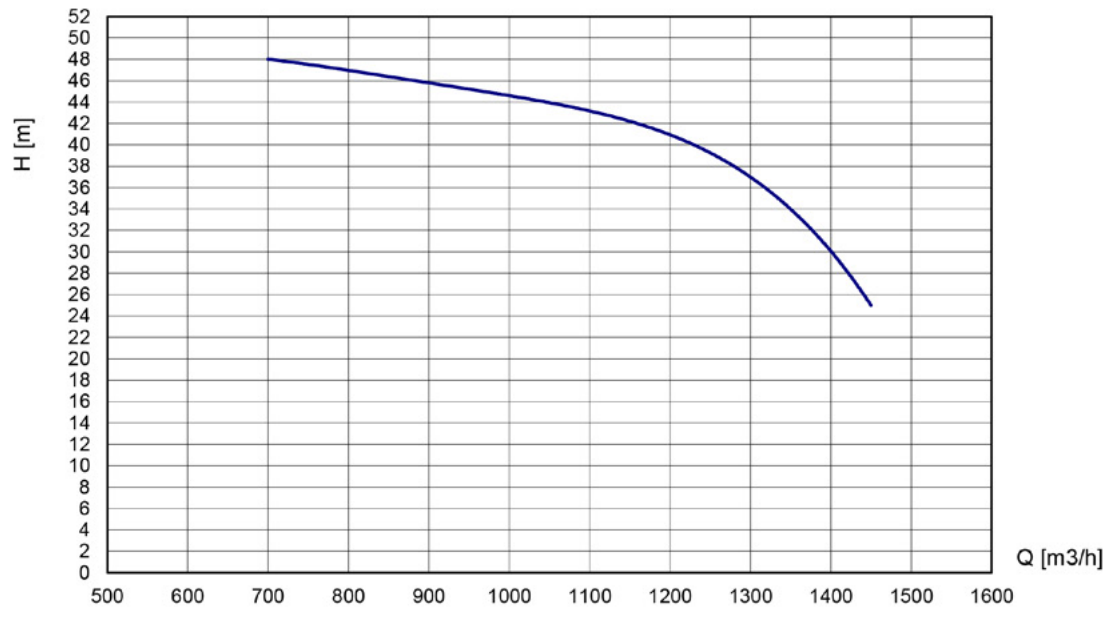
NPE
NATIONAL PUMP & ENERGY



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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 m³/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 m³/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

BBA control panel LC30

- Auto start/stop system
- Two float switches included (10m cable)
- Switch Manual-O-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)

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



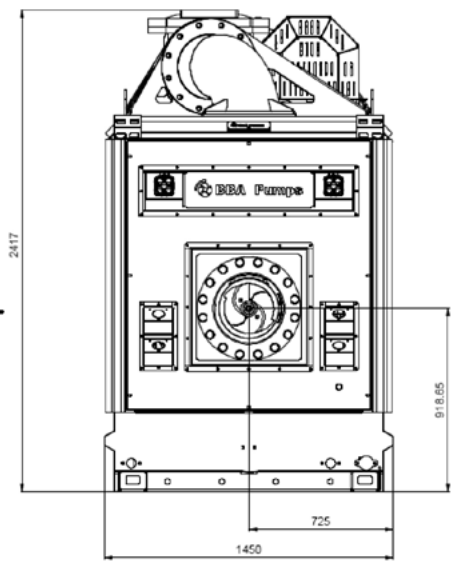
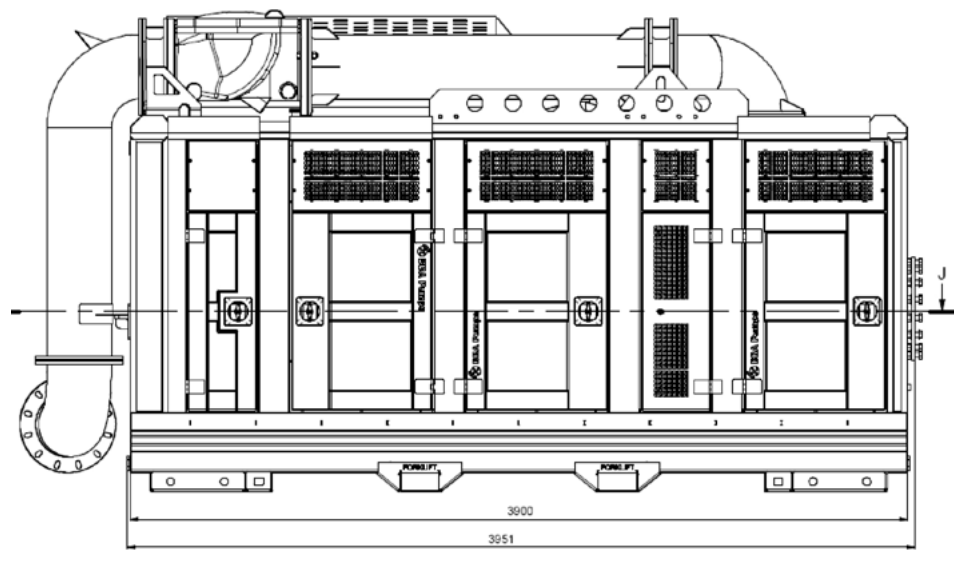


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CANOPY M14-40 (discharge roof pipe)

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) 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
 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.

