

BA300E Diesel Drive

Dewatering & Sewage Pump

Max. 1250 m³/hour, Max. 19 mwc



Pump specifications:

Type..... BA300E D328
 Max. flow 1250 m³/hour (5500 US GPM)
 Max. pressure 19 mwc (63 ft.)
 Connections..... DN 300 (12")
 Solids handling 120 x 105 mm
 Impeller type Semi-open impeller
 Priming system BBA MP100
 Engine Perkins 1104D-44TA
 Emission standard .. Stage IIIA
 Canopy M10-30
 Weight (net)..... 3500 kg
 Sound level..... Approx. 64 dB(A) at 10 m

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 and 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



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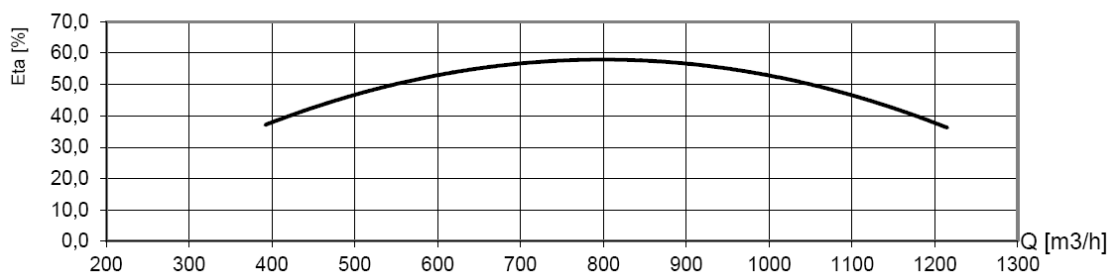
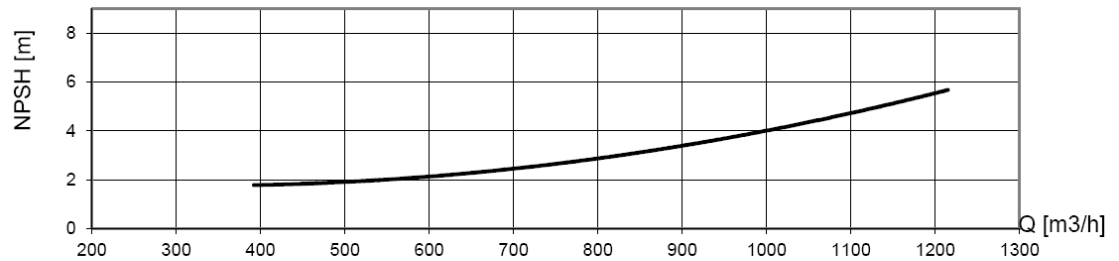
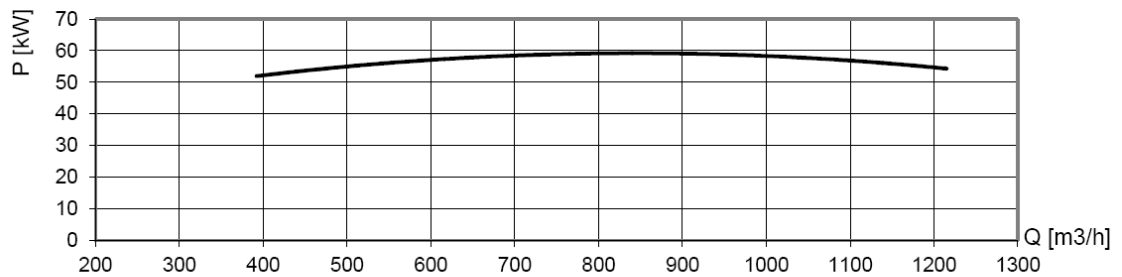
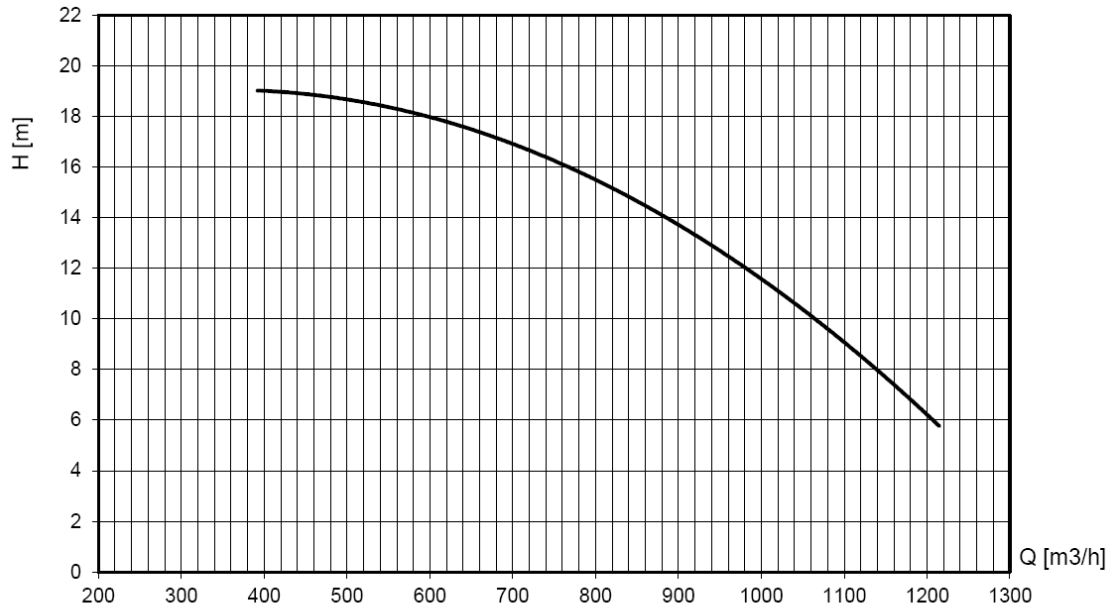
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PERFORMANCE CURVES (1500 RPM)

Continuous duty according ISO 9906



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STANDARD TECHNICAL SPECIFICATIONS

BBA auto prime pump

Pump type.....	BA300E D328
Max. flow.....	1250 m ³ /hour (5500 US GPM)
Max. head.....	19 mwc (63 feet)
Impeller type.....	Semi-open impeller
Solids handling.....	120 x 105 mm (4.7 x 4 inch)
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.....	Steel hot dip galvanised
Non return valve.....	Cast iron GG25
Check valve disc.....	Buna-N

Engine

Engine brand.....	Perkins
Engine type.....	1104D-44TA
Flywheel power.....	67 kW (91 Hp)
Max. engine speed.....	1500 RPM
Fuel consumption.....	227 g/kWh
Displacement.....	4.4 l
Number of cylinders.....	4
Cooling system.....	Water cooled
Emission level.....	Stage IIIA



BBA dashboard LC20

- Auto start/stop system
- Two float switches included (10m cable)
- Switch Manual-0-Auto
- Tachometer
- Hour counter
- Warning lights "oil and engine temperature"
- Warning light "auto stand-by"



Fuel system

- PE fuel tank 300 L. net (80 US Gallon)
- Fuel tank cap Ø 100 mm
- Mechanical fuel injection system

Electrical system & safety features

- Nominal voltage 12 Volt
- Premium quality battery
- Engine safety features like overload shutdown

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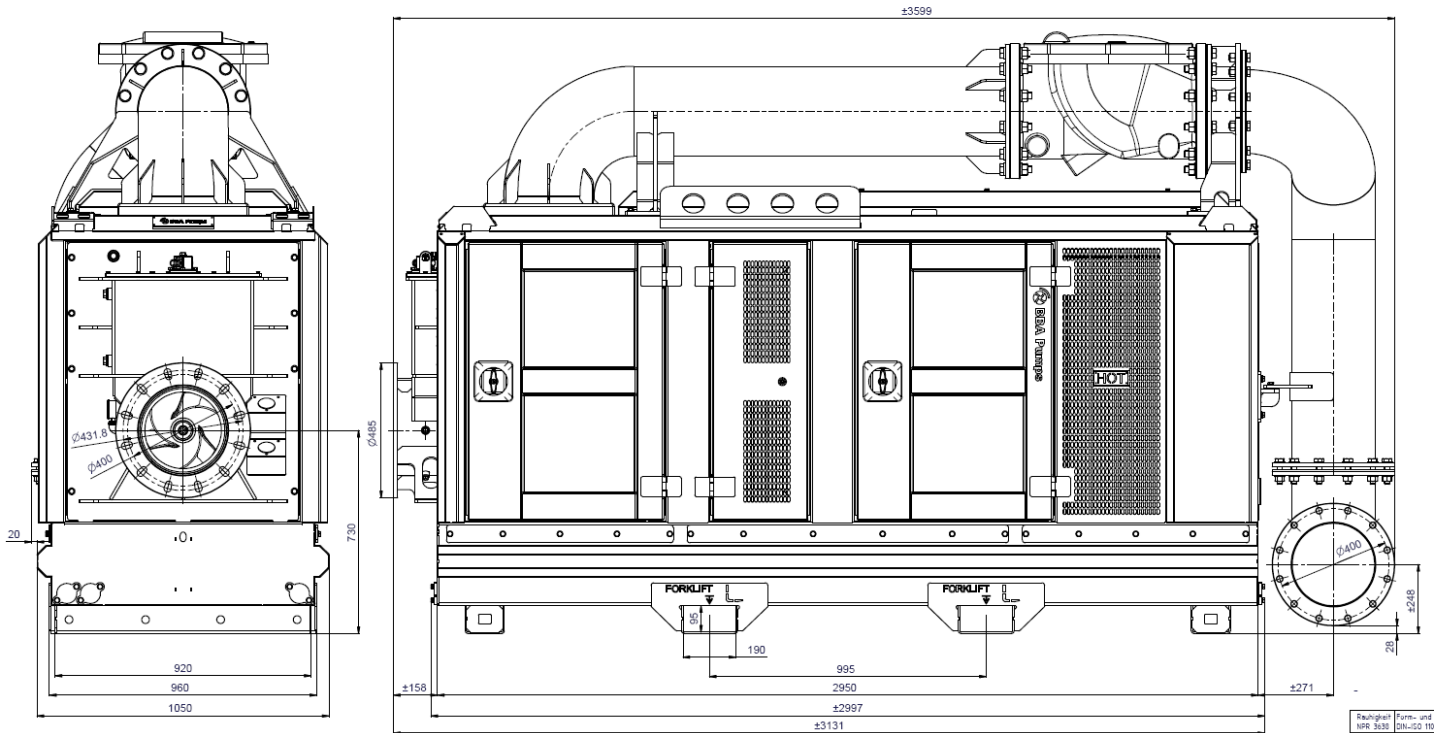
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CANOPY M10-30 (discharge roof pipe)

BBA sound attenuating canopy

Canopy type.....	M10-30
Dimensions L x W x H	3600 x 1050 x 2160 mm
Dimensions L x W x H	141.7 x 41.3 x 85 inch
Basic frame	Hot dip galvanised
Doors	Composite easy-access doors (lockable)
Fuel tank	PE net 300 ltr (80 US Gallon)
Fuel tank autonomy	17 hours (at 1500 rpm BEP)
Fuel tank cap	100 mm (4 inch)
Module (10-23 kit).....	Oil drain pump – battery isolator – external fuel tank connector
Forklift pockets.....	Fitted with 2 forklift pockets
Lifting point	Fitted with 2 lifting points
Connections	Please consult “auxiliary items”
Exhaust system	Fully integrated in canopy
Radiator box	Genuine Perkins
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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Semi-open impeller
Corrosion and abrasion resistant Chrome Moly (42CrM04) alloy.



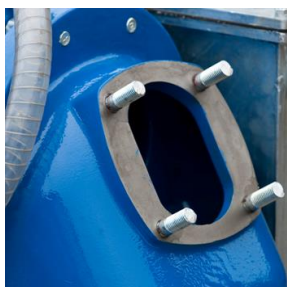
Fuel tank
Fully bunded, corrosion-free, 300 liter, high-density polyethylene (HDPE) fuel tank, located in base of canopy.



Easy inspection
Oil glasses, drain valves and fill plugs all easily accessible.



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



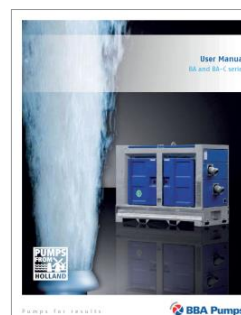
Large inspection covers
Easy access to float box, impeller and non-return valve.



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 and BA-C
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.