BA300E Diesel Driven

Dewatering and Sewage Pump

Max. 1450 m^3/hour, Max. 48 mwc

Pump specifications:

Type	BA300E D388
Max. flow	1450 m^3/hour (6380 US gpm)
Max. pressure	48 mwc (159 ft.)
Discharge x suction	12" x 14" flanges
Solids handling	120 x 105 mm
Impeller type	Semi-open impeller
Priming system	BBA MP100
Engine	Volvo Penta TAD843VE
Emission standard	Stage II / Tier 2
Canopy	M14-40
Sound level L_{PA}	77 dB(A) at 10 m
Weight (net)	5100 kg (11.220 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
- 100% Oil-spill free priming system
- Fully bunded unit eliminating fuel/oil spills at all times

Complete package designed & built by BBA Pumps

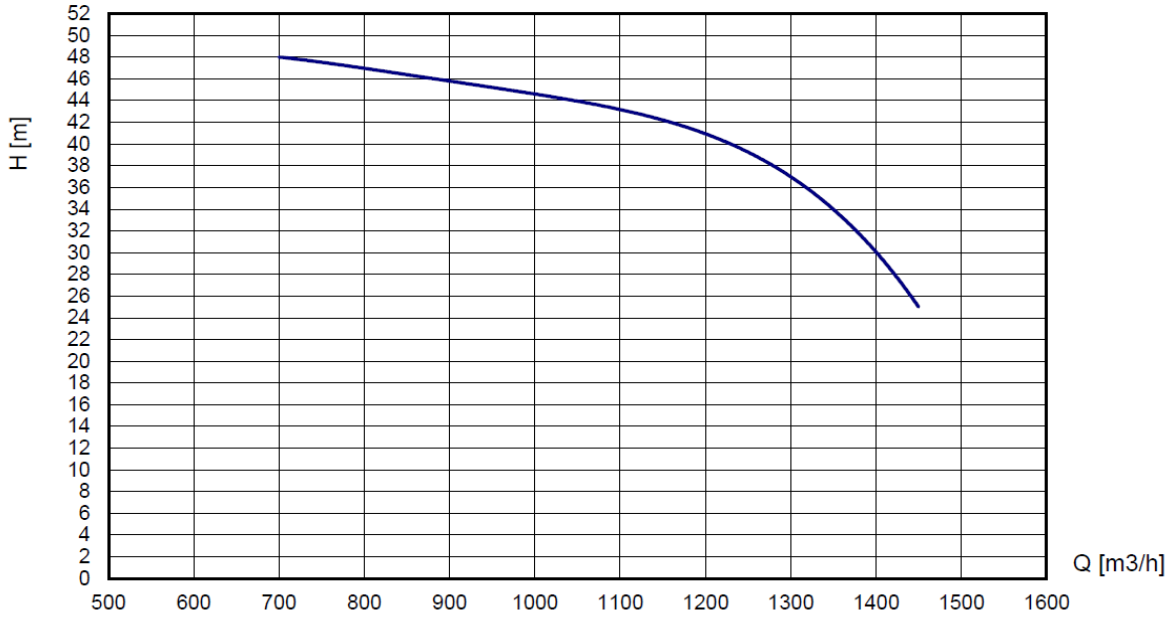
- Complete in-house design & production
- Over 70 years of experience in the market
- Complete testing facility in-house
- Contemporary & functional design
- Durable & eco-friendly materials
- Custom builds available

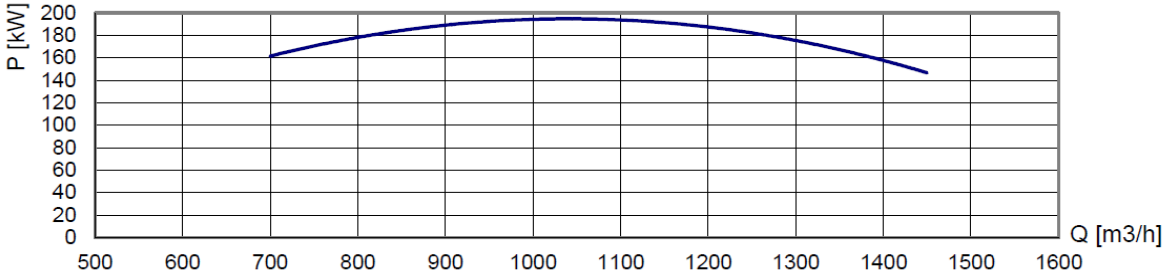
After sales service & product support

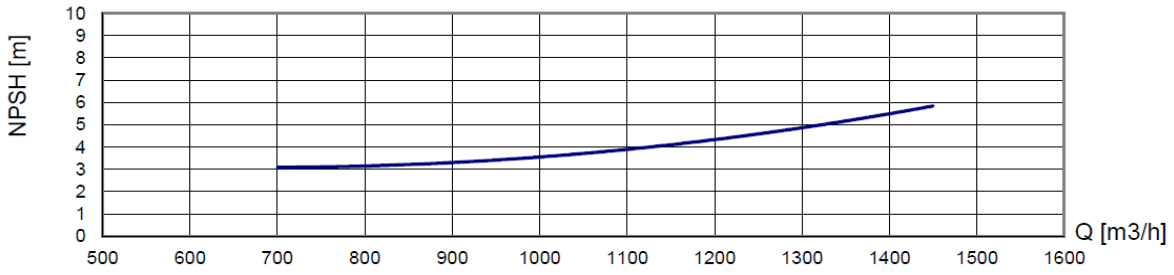
- Single supplier for parts, spares & accessories
- Dedicated customer help-desk (24h service)
- Dedicated service department in-house
- Global parts distribution network
- Optional global on-site servicing available
- Extensive training options available (technical & commercial), on-site or in-house

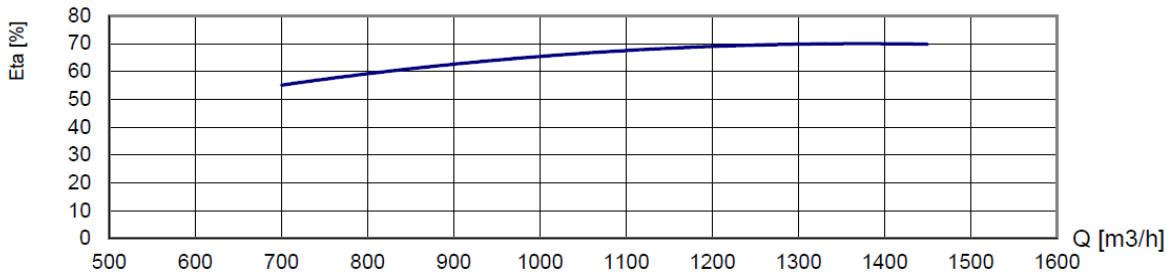
PERFORMANCE CURVES (1800 RPM)

Continuous duty according ISO 9906









STANDARD TECHNICAL SPECIFICATIONS

BBA Pumps 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)
Pump casing	Cast iron GG25
Impeller	Ductile iron GGG70
Wear plate	Cast iron GG25
Pump shaft	42CrV6
Shaft seal	Mechanical seal
Seal faces	Tung/Tung
O-ring	Viton

BBA Pumps priming system

Pump type	MP100 diaphragm pump
Air handling capacity	100 m³/h (59 CFM)
Max. vacuum	8.5 m (25 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	TAD843VE
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	N/A
Emission standard	Stage II / EPA Tier 2

BBA Pumps 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 700 L. net (185 US Gallon)
- Fuel tank cap Ø 100 mm
- Electronic fuel injection system

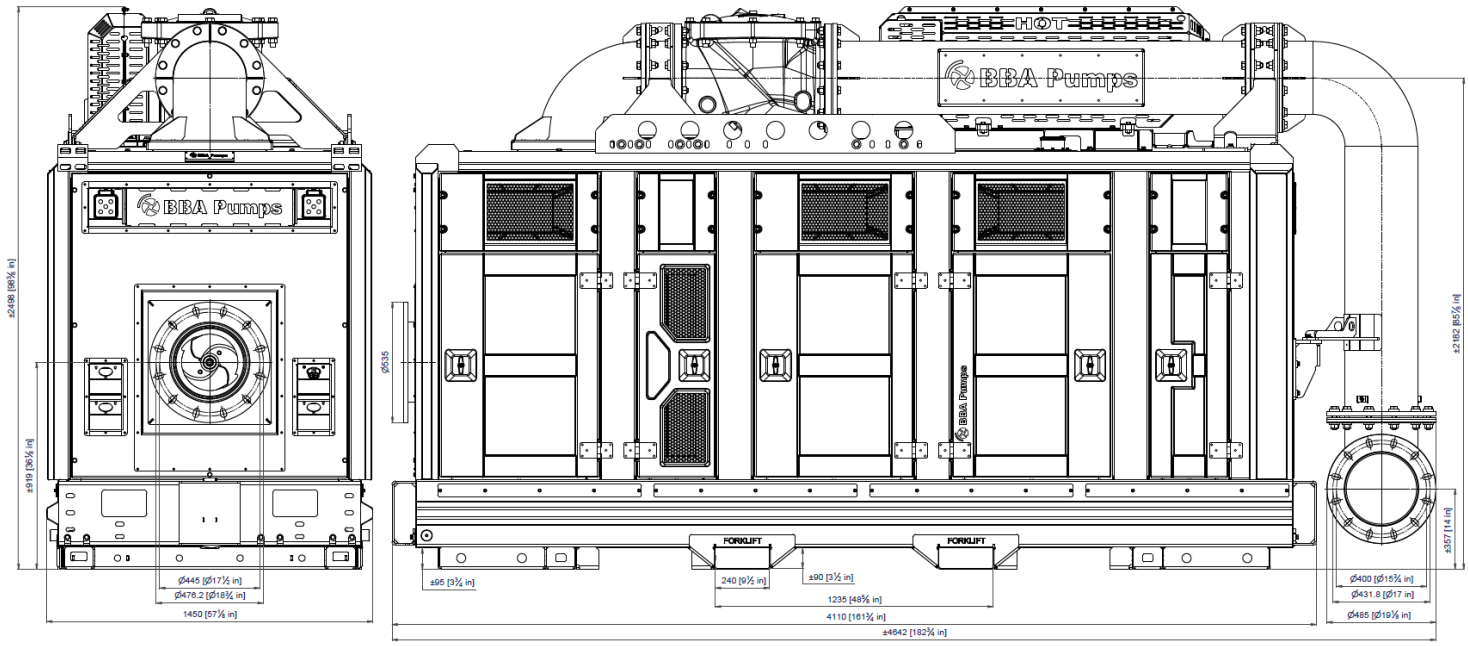
Electrical system & safety features
- Premium quality battery
- Low oil pressure shut down
- High temperature shut down

PUMPS FROM HOLLAND

CANOPY M14-40 (discharge roof pipe)

BBA Pumps sound attenuating canopy

Canopy type	M14-40
Dimensions L x W x H	4642 x 1450 x 2450 mm
Dimensions L x W x H	183 x 57 x 99 inch
Discharge connection	12" DIN / ANSI flange with PCD K400 / K431,8 (12 holes)
Suction connection	14" DIN / ANSI flange with PCD K445 / K476,2 (12 holes)
Basic frame	Hot dip galvanized
Doors	8 composite easy-access doors (lockable)
Fuel tank	PE net 700 ltr (185 US Gallon)
Fuel tank autonomy	14 hours (at 1800 rpm BEP)
Fuel tank cap	100 mm (4 inch)
Forklift pockets	Fitted with 2 forklift pockets
Lifting point	Fitted with 2 lifting points
Exhaust system	Exhaust mounted on roof canopy
Radiator box	Genuine engine supplier
Additional	Fitted with oil-water separator
Sound power level (L_{WA})	106 dB(A) according to ISO 3744:2010
Documentation box	BBA Pumps user manual and warranty book



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

PUMPS FROM HOLLAND

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.

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
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.