BA300E Diesel Driven
Dewatering and 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.)
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
Discharge x suction	12" x 12" flanges
Sound level	Approx. 72 dB(A) at 10 m
Dry weight	3500 kg (7700 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”.

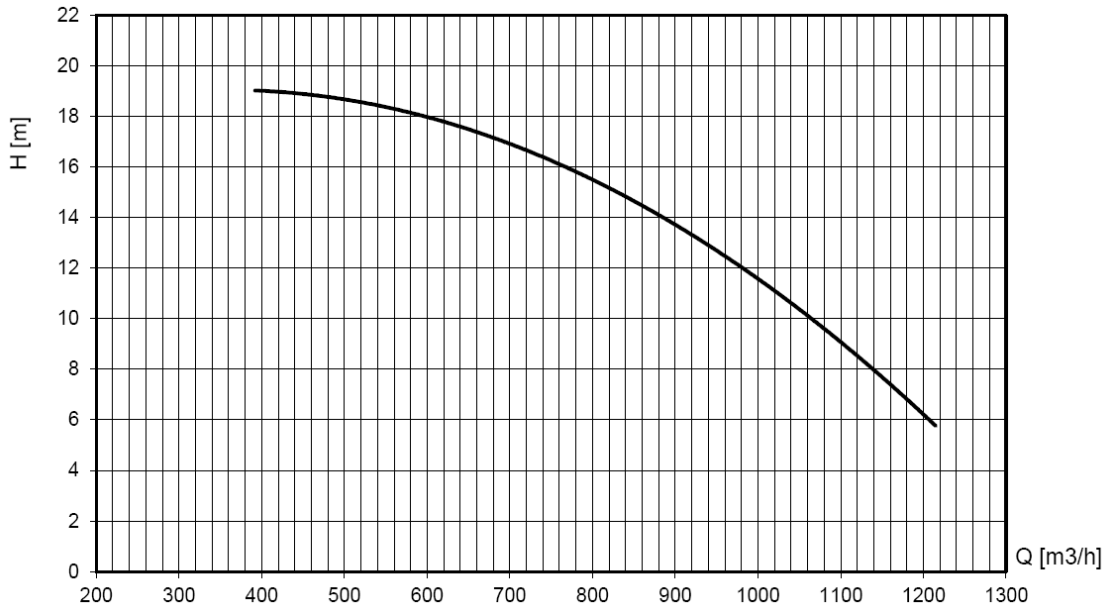
Sustainability
- High efficiency pumps minimising fuel consumption
- Corrosion free hot dip galvanised canopy
- Corrosion free composite door panels
- 100% Oil-spill free priming system
- Fully bunded unit eliminating fuel/oil spills at all times

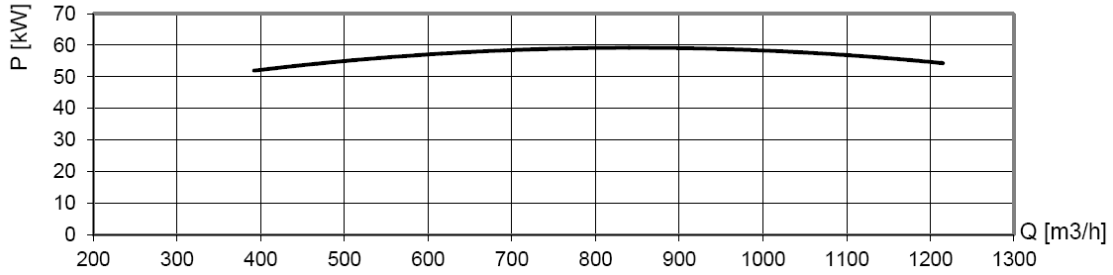
Complete package designed & built by BBA Pumps
- Complete in-house design & production
- Over 70 years of experience in the market
- Complete testing facility in-house
- Contemporary & functional design
- Durable & eco-friendly materials
- Custom builds available

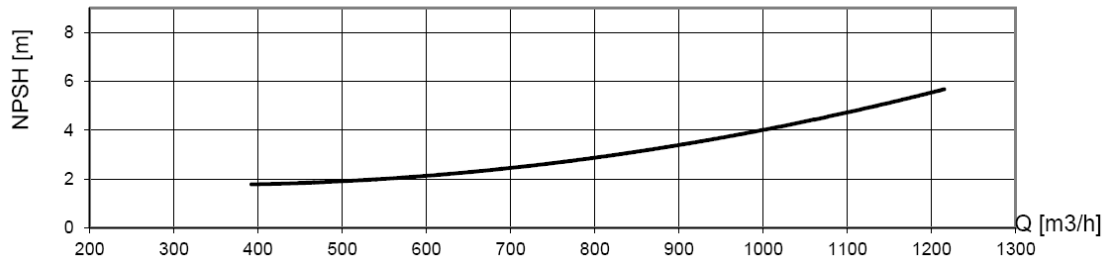
After sales service & product support
- Single supplier for parts, spares & accessories
- Dedicated customer help-desk (24h service)
- Dedicated service department in-house
- Global parts distribution network
- Optional global on-site servicing available
- Extensive training options available (technical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

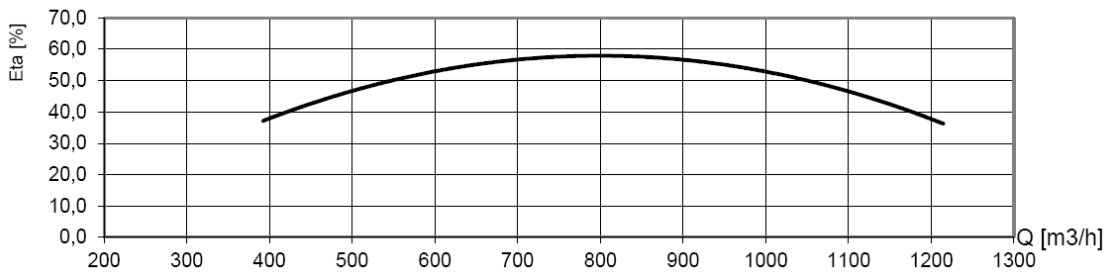
PERFORMANCE CURVES (1500 RPM)

Continuous duty according ISO 9906









STANDARD TECHNICAL SPECIFICATIONS

BBA Pumps auto prime pump

Pump type	BA300E D328
Max. flow	1250 m³/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 GG25
Impeller	Ductile iron GGG70
Self-cleaning wear plate	Cast iron GG25 (w/ cutter slots)
Pump shaft	42CrMo4 heat treated
Shaft seal	Mechanical seal
Seal faces	Tung/Tung
O-ring	Viton

BBA Pumps 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	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 Pumps 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

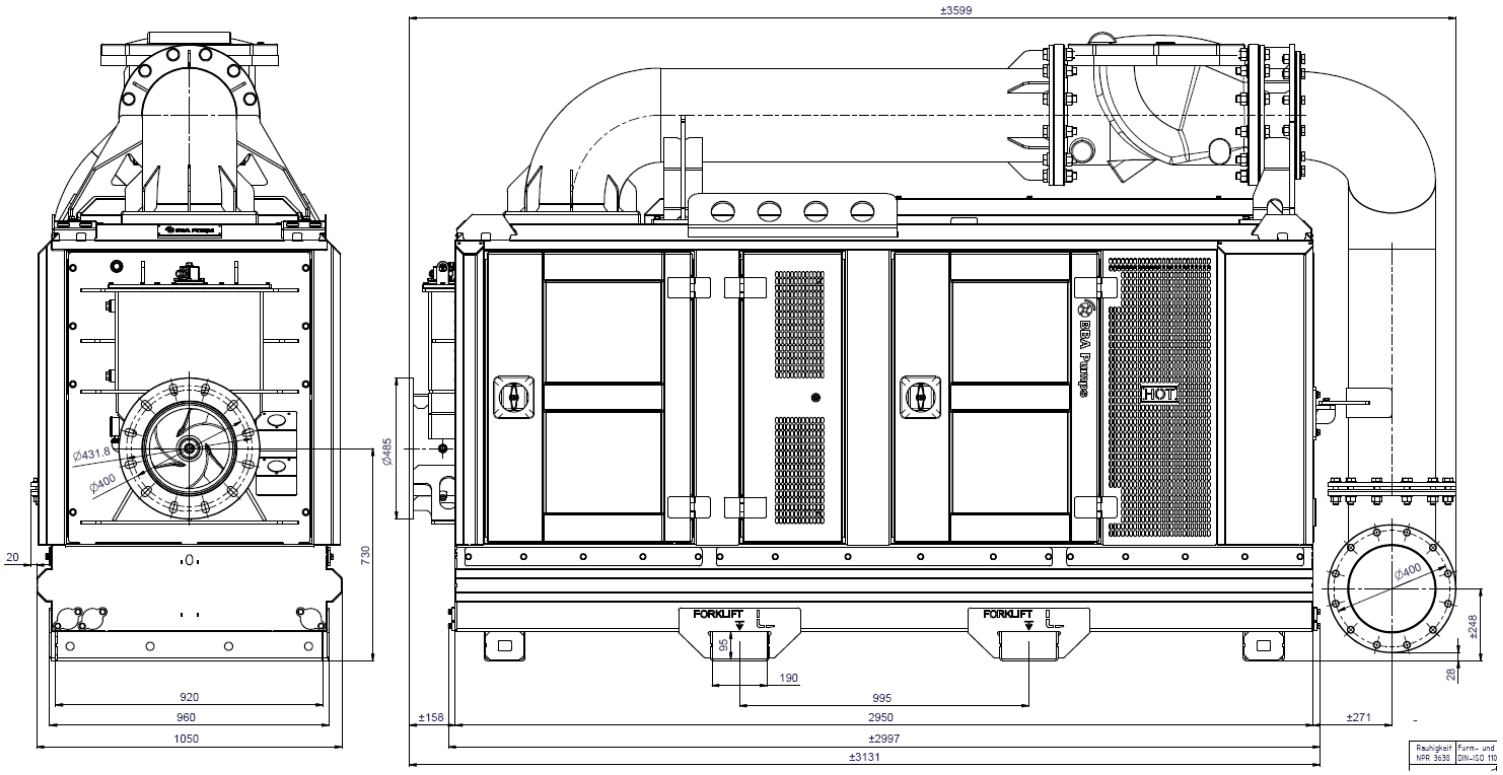
Electrical system & safety features

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

CANOPY M10-30 (discharge roof pipe)

BBA Pumps 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.

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

Double vacuum pump
Diaphragm pump, air-cooled, water-resistant and oil-spillage free.
Air capacity of 100 m^3 per hour.

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

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.

Pictures used are for illustration purposes only.