

BA180E D328 Diesel

Dewatering and Sewer Bypass Pump

Max. 780 m³/hour, Max. 50 mwc



Pump specifications:

Type	BA180E D328
Max. flow	780 m ³ /hour (3430 US GPM)
Max. pressure	50 mwc (165 ft.)
Connections	DN200 (8")
Solids handling	80 mm (3,15")
Impeller type	Semi-open impeller
Priming system	BBA MP50
Engine	Perkins 1104D-44TA
Emission standard	Stage IIIA
Canopy	M10-25
Weight (net)	2150 kg (4730 lb)
Sound level	Approx. 67 dB(A) at 10m

FEATURES

BA auto prime pump

The BA range of pumps have 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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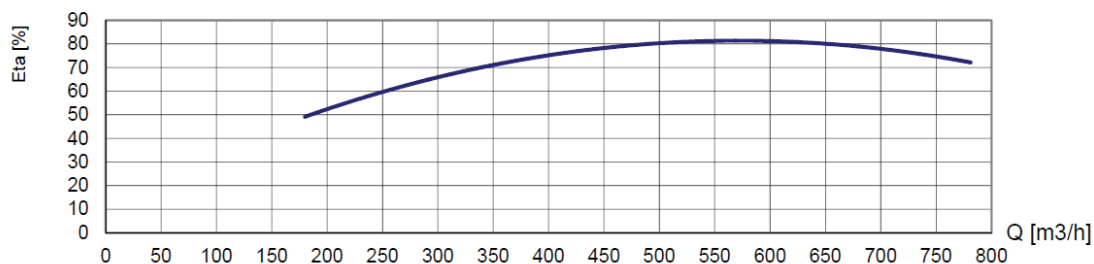
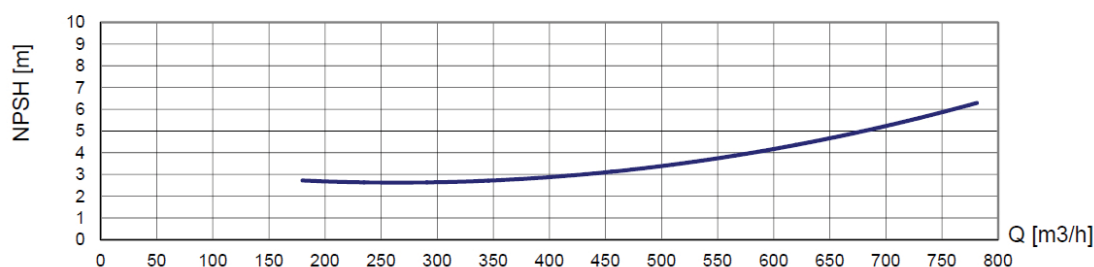
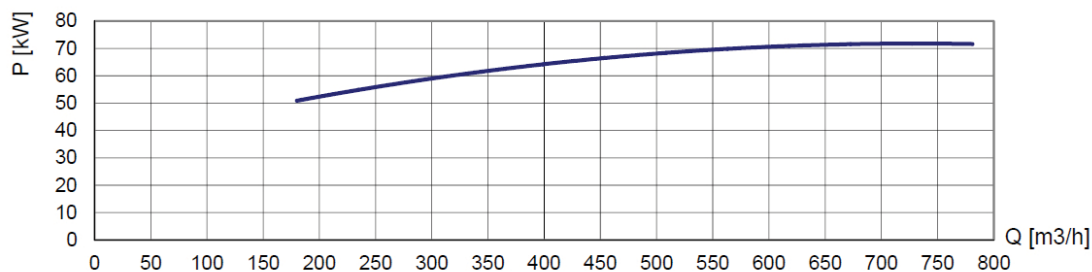
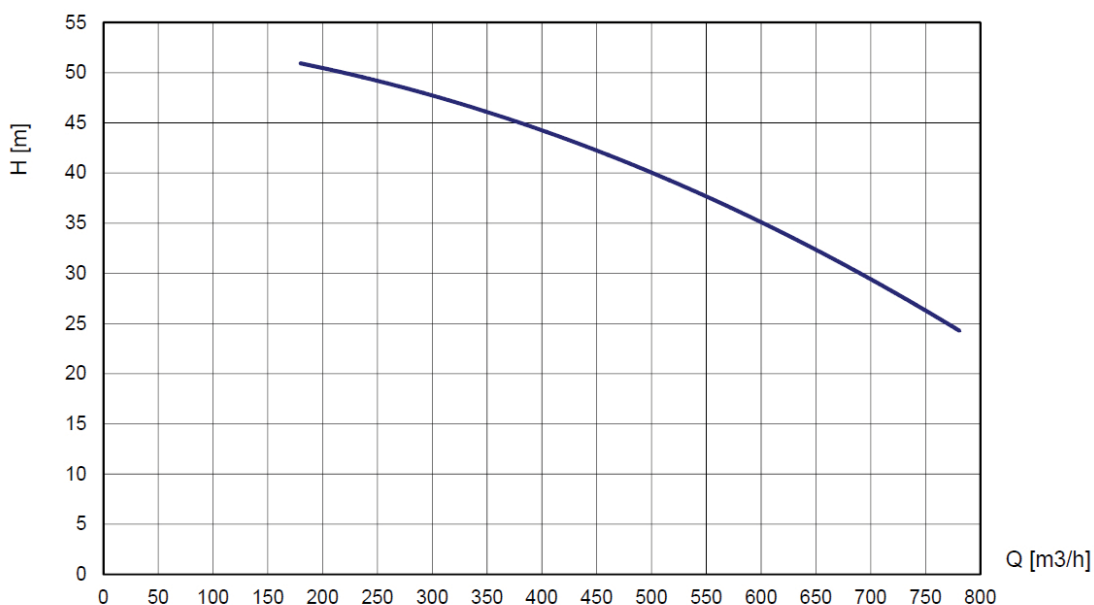
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PERFORMANCE CURVES (1800-1900 RPM)

Continuous duty according ISO 9906



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STANDARD TECHNICAL SPECIFICATIONS

BBA auto prime pump

Pump type	BA180E D328
Max. flow	780 m ³ /hour (3430 US GPM)
Max. head	50 mwc (165 feet)
Impeller type	Semi-open impeller
Solids handling	80 mm (3.15 inch)
Pump casing	Cast iron GG20
Impeller	Chrome Moly 42CrM04
Wear plate	Chrome Moly 42CrM04
Pump shaft	C45
Shaft seal	Mechanical seal
Seal faces	Tung/Sic
Seal rubber	Viton

BBA priming system

Pump type	BBA MP50 Diaphragm pump
Air handling capacity	50 m ³ /h (30 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	Perkins
Engine type	1104D-44TA
Gross power	80 kW (108 Hp)
Max. engine speed	1800-1900 RPM
Fuel consumption	230 g/kWh
Displacement	4.4 l
Number of cylinders	4
Cooling system	Water cooled
Exhaust emission	Stage IIIA



BBA dashboard LC20

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

Fuel system

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

Electrical system & safety features

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

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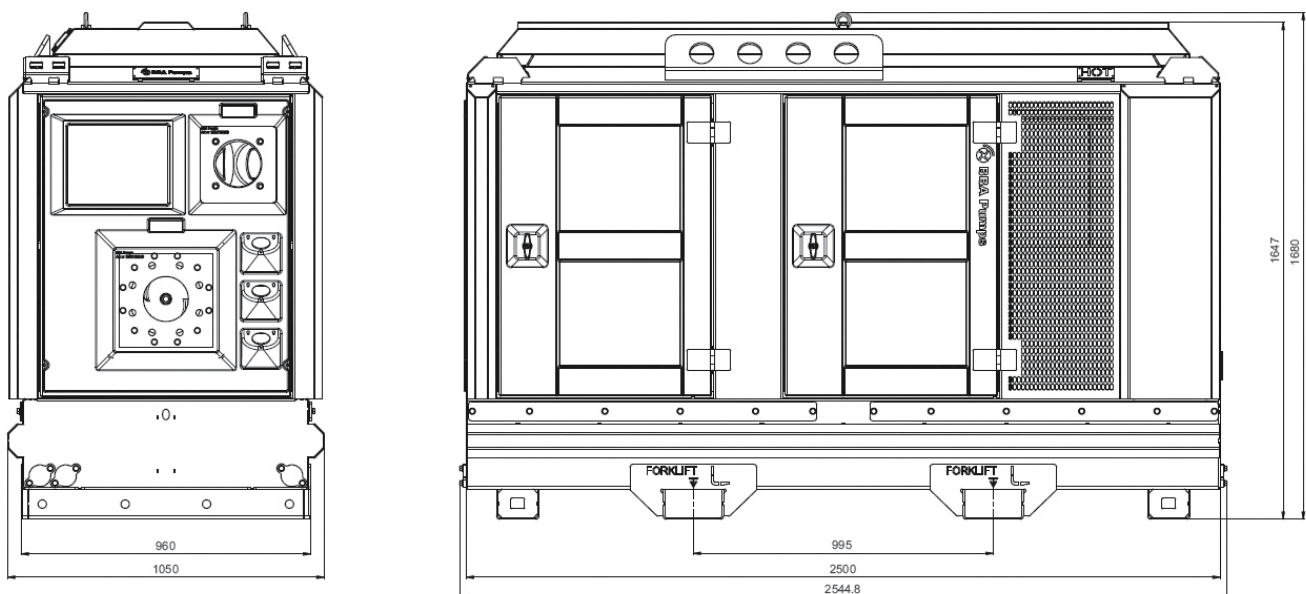
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CANOPY M10-25

BBA sound attenuating canopy

Canopy type	M10-25
Dimensions L x W x H	2500 x 1050 x 1680 mm
Dimensions L x W x H	100 x 41.3 x 66.1 inch
Basic frame	Hot dip galvanised
Doors	4 Easy-access doors (lockable)
Front and door panels	Composite ABS/ASA
Fuel tank	PE net 300 ltr (80 US Gallon)
Fuel tank autonomy	15 hours (at 1800 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
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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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 are all easily accessible.



Priming system

Diaphragm pump, air-cooled, water-resistant and oil-spillage free. Air capacity of 50 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 series

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