

BA80H D315 Diesel

High Head Dewatering and Sewer Bypass Pump

Max. 200 m³/hour, Max. 90 mwc



Pump specifications:

Type	BA80H D315
Max. flow	200 m ³ /hour
Max. pressure	90 mwc
Connections	Discharge DN80
Connections	Suction DN150
Solids handling	25 mm
Impeller type	Closed impeller
Priming system	BBA MP50
Engine	Perkins 1104D-44TA
Emission standard	Stage IIIA
Canopy	M10-25
Weight (net)	2100 kg
Sound level	Approx. 70 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
- 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
- Extensive 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
- Extensive training options available (technical & commercial), on-site or in-house

BA80H D315 Diesel

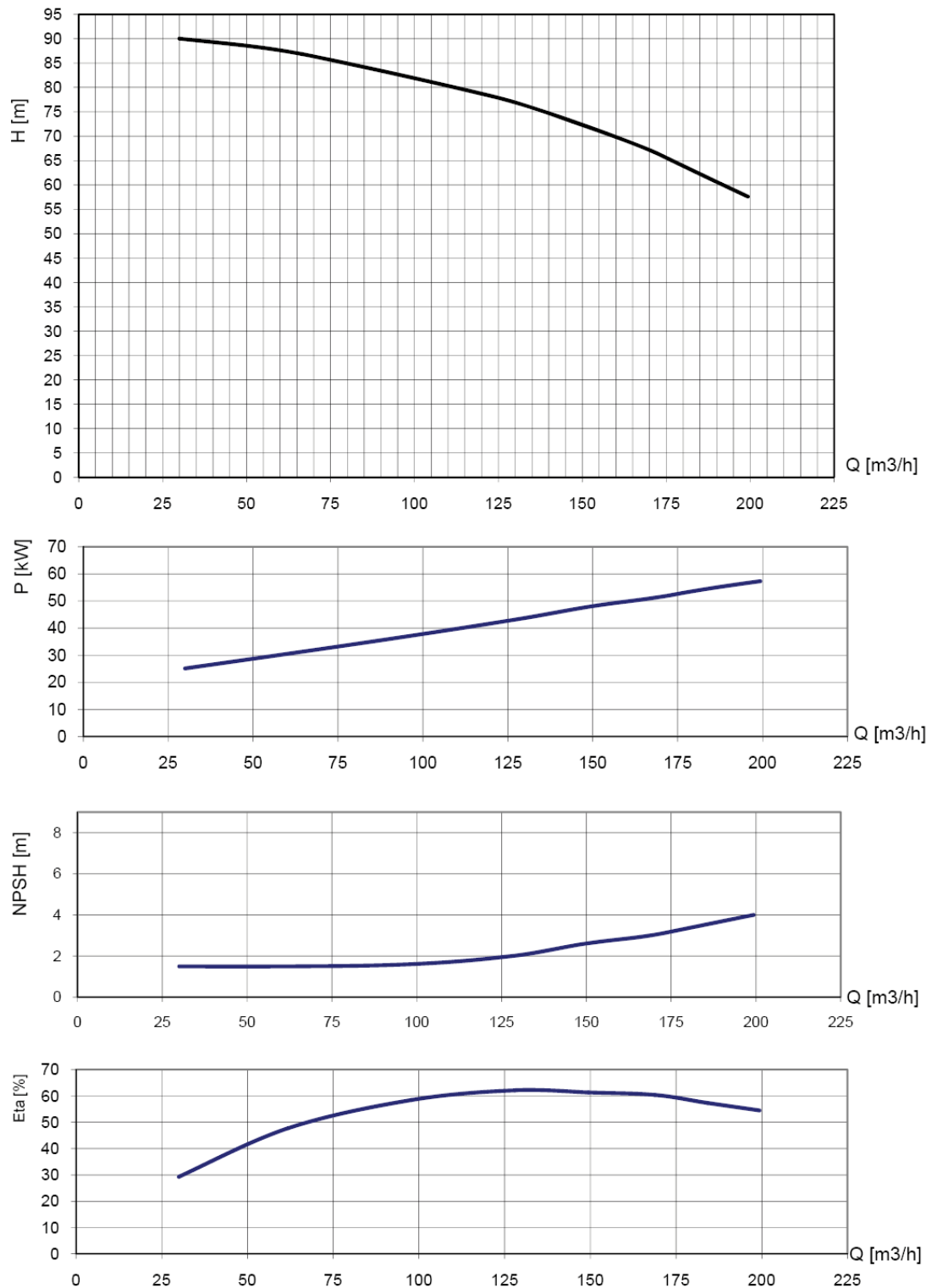
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PERFORMANCE CURVES (2200 RPM)

Continuous duty according ISO 9906



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STANDARD TECHNICAL SPECIFICATIONS

BBA auto prime pump

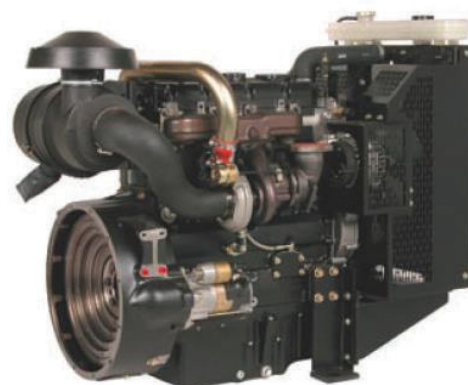
Pump type	BA80H D315
Max. flow	200 m ³ /hour
Max. head	90 mwc
Impeller type	Closed impeller
Solids handling	25 mm
Pump casing	Cast iron GG20
Impeller	Ductile iron GGG40
Wear ring	Cast iron GG20
Pump shaft	Stainless steel 316
Shaft seal	Mechanical seal
Seal faces	Tung/Sic
Seal rubber	Viton

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
Flywheel power	80 kW (108 Hp)
Max. engine speed	2200 RPM
Fuel consumption	230 g/kWh
Displacement	4.4 l
Number of cylinders	4
Cooling system	Water cooled
Exhaust emission EU	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
- Fuel tank cap Ø 100 mm
- Electronic fuel injection system

Electrical system & safety features

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

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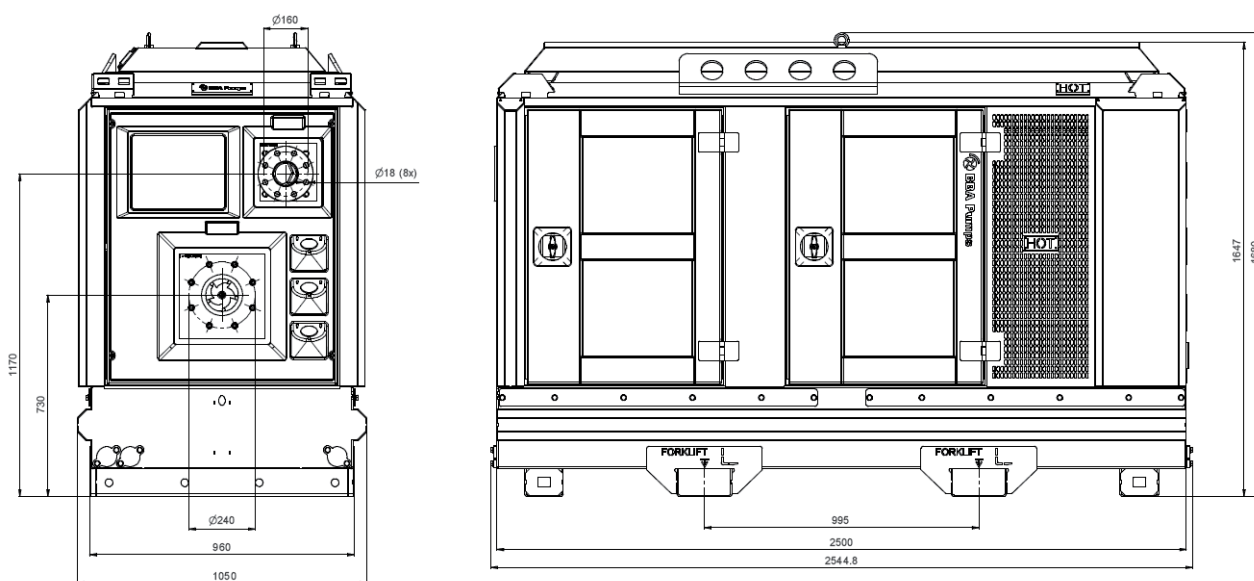
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CANOPY M10-25

BBA sound attenuating canopy

Canopy type	M10-25
Dimensions L x W x H	2500 x 1050 x 1680 mm
Basic frame	Hot dip galvanised
Doors	4 Easy-access doors (lockable)
Front- and door panels	Composite ABS/ASA
Fuel tank	PE net 300 ltr
Fuel tank autonomy	15-17 hours (at 2200 rpm BEP)
Fuel tank cap	100 mm
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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Closed impeller

Ductile iron GGG40
abrasion resistant,
free passage 25mm.



Priming system

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



Easy inspection

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



Fuel tank

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



Safety

Extremely durable
and lockable T-locks
offering perfect grip.



Large inspection covers

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



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.