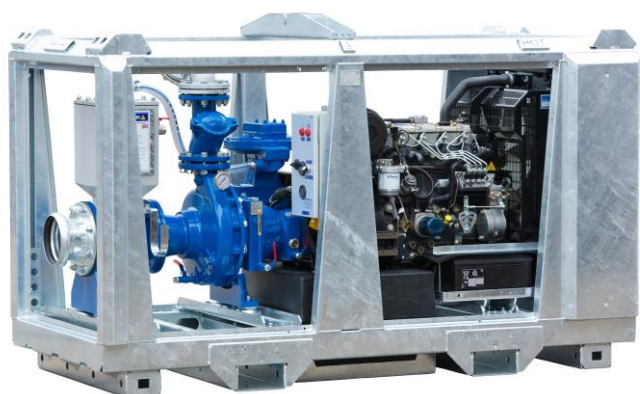




Pump specifications:

Type.....	BA80H D275
Max. flow	130 m ³ /hour (572 US GPM)
Max. pressure	90 mwc (301 ft.)
Connections.....	Discharge DN 80 (3")
Connections.....	Suction DN 150 (6")
Solids handling	25 mm (1")
Impeller type	Closed impeller
Priming system	BBA MP50
Engine	Perkins 404D-22T
Frame	BF10-23
Weight (net)	1400 kg (3080 lb.)

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 EU stage & US EPA Tier regulations
- Corrosion free hot dip galvanised frame
- Corrosion free composite grill panel
- 100% Oil-spill free priming system

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

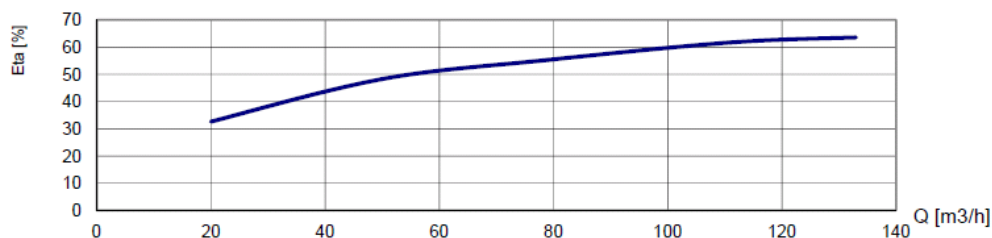
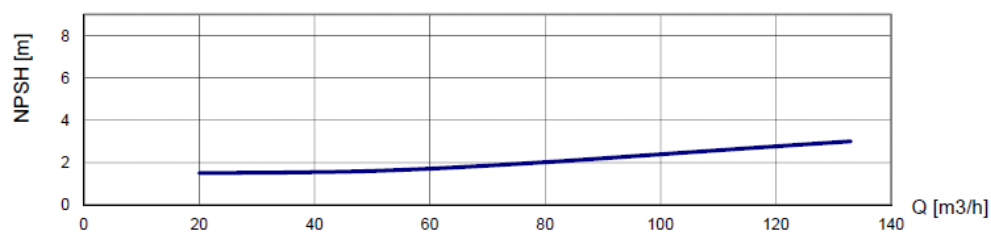
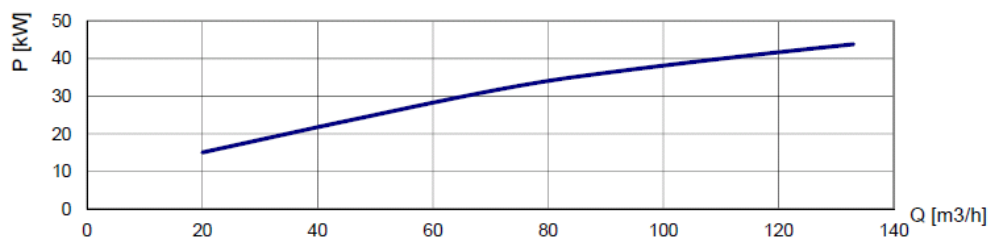
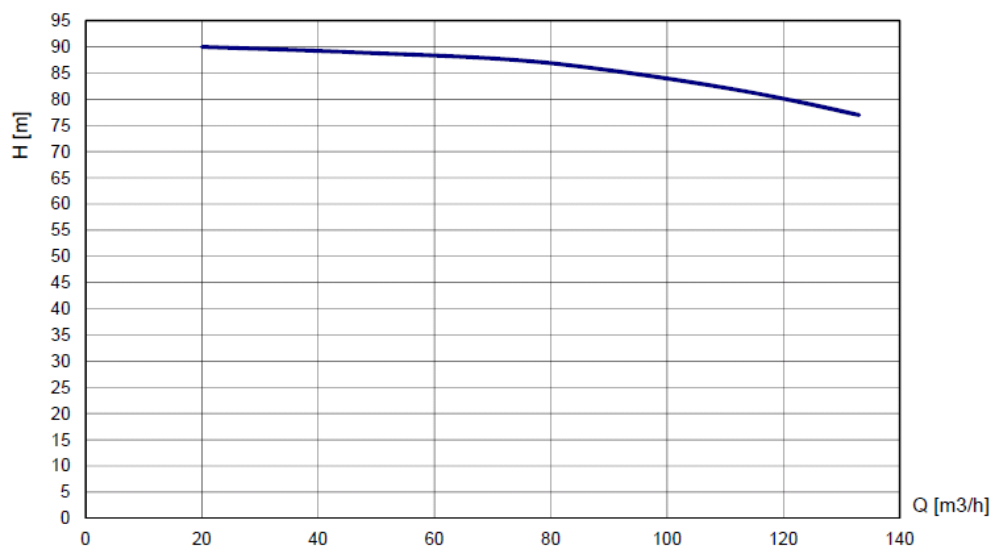
After sales service & product support

- 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



PERFORMANCE CURVES (2800 RPM)

Continuous duty according ISO 9906



Engine speed rpm		Capacity Q in m ³ /h				Fuel consumption (BEP)
		50	75	100	125	l/h
2800	H mwc	88	87	84	78	14
2400		64	63	61	57	8
2000		44	43	41	38	5
1600		28	27	26	24	3

STANDARD TECHNICAL SPECIFICATIONS

BBA auto prime pump

Pump type.....	BA80H D275
Max. flow.....	130 m ³ /hour (572 US GPM)
Max. head.....	90 mwc (301 feet)
Impeller type.....	Closed impeller
Solids handling.....	25 mm (1 inch)
Pump casing.....	Cast iron GG20
Impeller.....	Ductile iron GGG40
Wear ring.....	Cast iron GG20
Pump shaft.....	Stainless steel 316
Shaft seal.....	Mechanical seal 40 mm (1.57 inch)
Seal faces.....	Tung/Sic
Seal rubbers.....	Viton

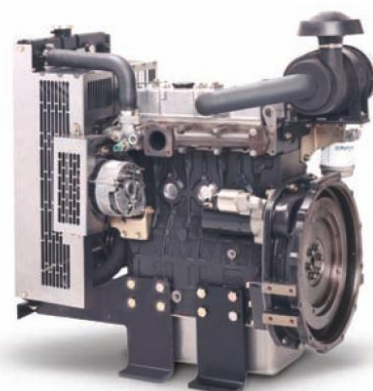


BBA priming system

Pump type.....	BBA MP50 Diaphragm pump
Air handling capacity.....	50 m ³ /h (30 cfm)
Max. vacuum.....	8.5 m (29 Hg)
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.....	404D-22T
Flywheel power kW (hp).....	44 kW (60 Hp)
Max. engine speed.....	800 – 2800 RPM
Fuel consumption.....	265 g/kWh
Displacement.....	2.2 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-0-Auto
- Tachometer
- Hour counter
- Warning lights "oil and engine temperature"
- Warning light "auto stand-by"



Fuel system

- PE fuel tank 140 L. net (36 US Gallon)
- Fuel tank cap Ø 60 mm
- Mechanical fuel injection system
- Fitted with water separator & extra in-line fuel filter

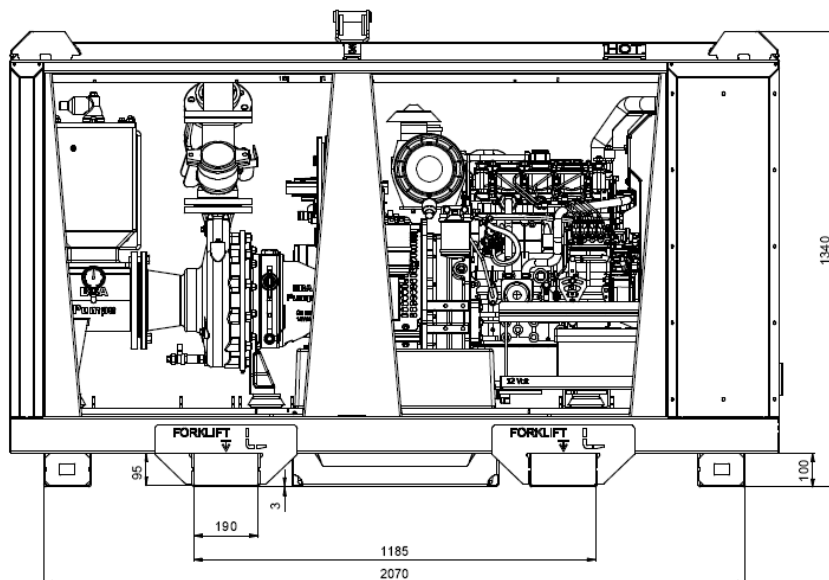
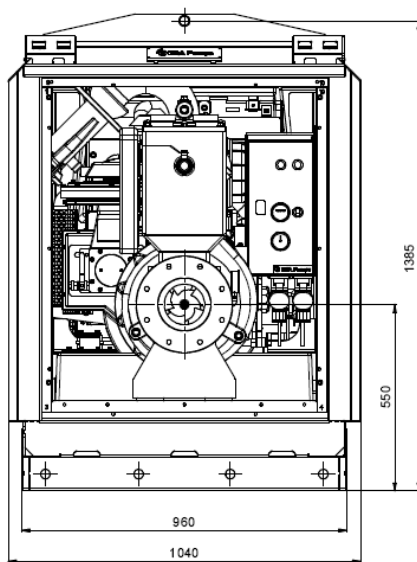
Electrical system & safety features

- Nominal voltage 12 Volt
- Premium quality battery
- Low oil pressure shut down
- High temperature shut down

FRAME BF10-23

BBA open diesel unit

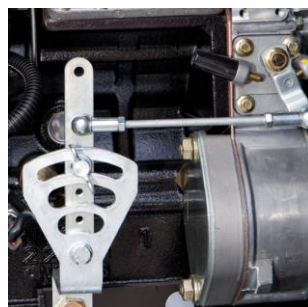
Frame model.....	BF10-23
Dimensions L x W x H	Approx. 2270 x 1040 x 1340 mm (without connections)
Dimensions L x W x H	Approx. 89 x 41 x 53 inch (without connections)
Basic frame	Hot dip galvanised
Panel.....	Composite grill panel
Fuel tank	Composite tank net 140 ltr (36 US Gallon)
Fuel tank autonomy	10 hours (at 2800 rpm BEP)
Fuel tank cap	60 mm (2.5 inch)
Forklift pockets.....	Fitted with 2 forklift pockets
Lifting point	Fitted with single lifting point
Connections.....	Please consult "auxiliary items"
Exhaust system	Exhaust is mounted on the engine
Radiator box	Genuine Perkins
Documentation box.....	Including BBA user manual & BBA warranty book



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



Closed impeller
Ductile iron GGG40
abrasion resistant, free
passage 25mm.



Speed control
For easy switch between
stationary and full throttle.



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



Fuel tank
Corrosion-free, 140 litre,
high-density polyethylene
(HDPE) fuel tank, located in
base of frame.



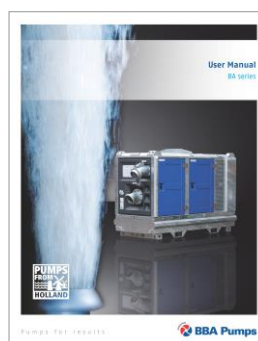
Interchangeable parts.
Modular construction to
ensure minimal spare part
stock levels.



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



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.

Pictures used are for illustration purposes only.

AUXILIARY ITEMS

Site Trailer Kit

3031720310	Trailer Kit	
	Off-road design	
	Towbar is height-adjustable	
	Not permitted on public road	
	M10-23 / ET10-23 / BF10-23	

Discharge connections

Art.nr.		Ø inch	Ø mm	Connection	
05080904	30° flange	4	100	Flange DIN	
05080869	30° male (ball/lever)	3	75	System B	
05080908	30°	3	75	Outer thread	

Suction connections

Art.nr.		Ø inch	Ø mm	Connection	
05080884	30°	6	150	Flange K240	
05080889	30° female (cup)	6	150	System B	
05080890	30° male (ball/lever)	6	150	System B	
05080887	30° male (ball)	6	150	System C	
05080888	30° female (cup/lever)	6	150	System C	

Suction hose with strainer L=5 metre

Art.nr.	Ø inch	Ø mm	Connection	
07047072	6	150	Flange K240	
07047023	6	150	System B male (ball/lever)	
07047077	6	150	System C female (cup/lever)	

Suction hose with strainer L=6 metre

Art.nr.	Ø inch	Ø mm	Connection	
07047073	6	150	Flange K240	
07047024	6	150	System B male (ball/lever)	
07047078	6	150	System C female (cup/lever)	