



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-ofthe-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 frame
- Corrosion free composite grill panel
- 100% Oil-spill free priming system

Pump specifications:

| Туре | BA150E D285 |
|-------------------|-----------------------------|
| Max. flow | 475 m3/hour (2091 US GPM) |
| Max. pressure | 35 mwc (115 ft.) |
| Connections | DN150 (6") |
| Solids handling | 80 mm (3,15") |
| Impeller type | Semi-open impeller |
| Priming system | BBA MP50 |
| Engine | Perkins 404D-22T |
| Emission standard | Stage IIIA |
| Frame | BF10-23 |
| Dry weight | Approx. 1400 kg (3080 lbs.) |

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

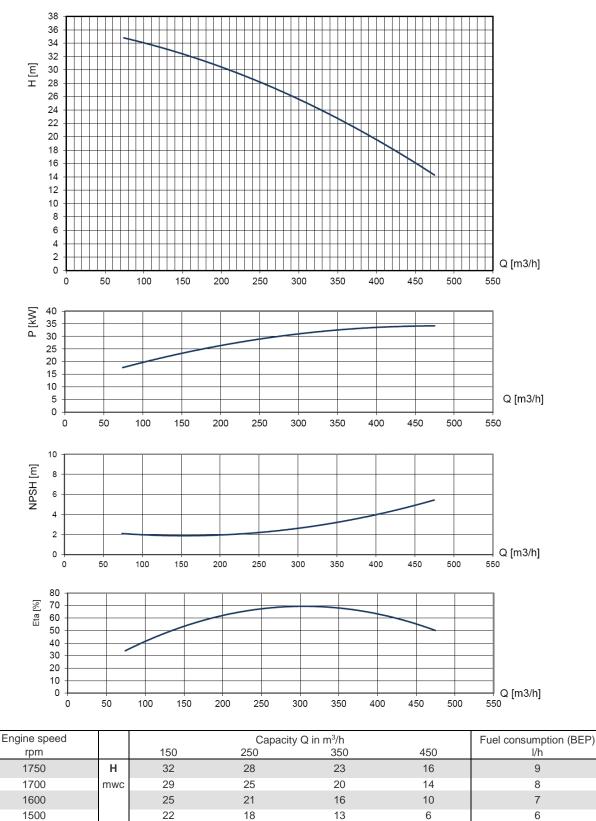
- Single supplier for parts, spares & accessories
- Dedicated customer help-desk (24h service)
- Dedicated service department in-house
- Global parts distribution network
- Optional global on-site servicing
- Extensive training options available (technical & commercial), on-site or in-house





PERFORMANCE CURVES (1750 RPM)

Continuous duty according ISO 9906







STANDARD TECHNICAL SPECIFICATIONS

BBA auto prime pump

| Pump type | BA150E D285 |
|--------------------------|--|
| Max. flow | 475 m ³ /hour (2090 US GPM) |
| Max. head | 35 mwc (115 feet) |
| Impeller type | Semi open impeller |
| Solids handling | 80 mm (3.15 inch) |
| Pump casing | Cast iron GG20 |
| Impeller | Chrome Moly 42CrM04 |
| Self-cleaning wear plate | Chrome Moly 42CrM04 (cutter slots) |
| Pump shaft | C45 |
| Shaft seal | Mechanical seal |
| Seal faces | Tung/Sic |
| Seal rubbers | Viton |



BBA priming system

| р |
|-----|
| |
| |
| ve) |
| |
| |
| |
| |

Engine

| Engine brand | .Perkins |
|---------------------|----------------------------------|
| Engine type | .404D-22T |
| Flywheel power | .36 kW (49 Hp) |
| Max. engine speed | .1500 – 1750 RPM |
| Fuel consumption | .237 g/kWh |
| Displacement | .2.21 |
| Number of cylinders | .4 |
| Cooling system | .Water cooled |
| Emission standards | .Stage IIIA – Tier 4i equivalent |

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

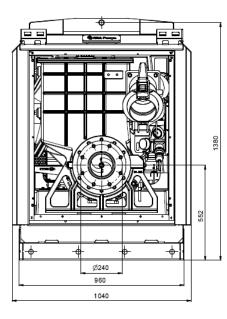


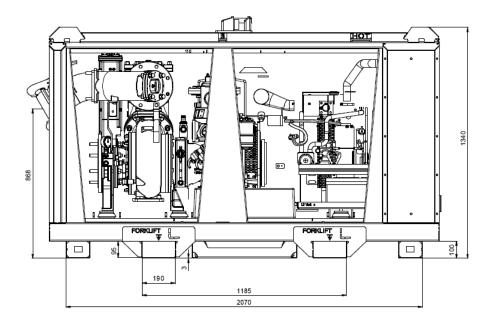


FRAME BF10-23

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 | 15 hours (at 1750 rpm BEP) |
| Fuel tank cap | 60 mm (2.5 inch) |
| Forklift pockets | Fitted with 2 forklift pockets |
| | Fitted with single lifting point |
| Connections | Please consult "auxiliary items" |
| Exhaust system | Exhaust is mounted on the engine |
| Radiator box | Genuine Perkins |
| Documentation box | BBA user manual and warranty book |





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







Semi-open impeller Corrosion and abrasion resistant Chrome Moly (42CrM04) alloy.



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



Speed control Variable speed control between 1500 rpm. and 1750 rpm.



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.

Pictures used are for illustration purposes only.



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





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 | Ømm | Connection | |
|------------|------------------------|--------|-----|-------------|-----------|
| 5080873 | 30° | 6 | 150 | Flange K240 | A |
| 1516604209 | 30° | 8 | 200 | Flange K295 | 1 1 1 man |
| 5080876 | 30° female (cup) | 6 | 150 | System B | S 177 |
| 5080881 | 30° male (ball/lever) | 6 | 150 | System B | |
| 5080877 | 30° male (ball) | 6 | 150 | System C | |
| 5080882 | 30° female (cup/lever) | 6 | 150 | System C | |

Suction connections

| Art.nr. | | Ø inch | Ømm | Connection | |
|------------|------------------------|--------|-----|-------------|---------|
| 5080884 | 30° | 6 | 150 | Flange K240 | A |
| 1516604208 | 30° | 8 | 200 | Flange K295 | |
| 5080889 | 30° female (cup) | 6 | 150 | System B | and and |
| 5080890 | 30° male (ball/lever) | 6 | 150 | System B | |
| 5080887 | 30° male (ball) | 6 | 150 | System C | |
| 5080888 | 30° female (cup/lever) | 6 | 150 | System C | |

Suction hose with strainer L=5 metre

| Art.nr. | Ø inch | Ømm | Connection | and the second se |
|---------|--------|-----|-----------------------------|--|
| 7047054 | 6 | 150 | Flange K240 | and the second s |
| 7047057 | 8 | 200 | Flange K295 | |
| 7047007 | 6 | 150 | System B male (ball/lever) | |
| 7047037 | 6 | 150 | System C female (cup/lever) | |

Suction hose with strainer L=6 metre

| Art.nr. | Ø inch | Ømm | Connection | Pro To Date of the |
|---------|--------|-----|-----------------------------|--------------------|
| 7047055 | 6 | 150 | Flange K240 | 1 Martin |
| 7047058 | 8 | 200 | Flange K295 | |
| 7047008 | 6 | 150 | System B male (ball/lever) | |
| 7047038 | 6 | 150 | System C female (cup/lever) | |

Recommended suction pipe (maximum velocity = 4 m/sec)

| M3/H | US | FLOW | 4" | 5" | 6" | 8" | 10" | 12" |
|----------|---------|---------|-------|-------|------|------|------|------|
| IVI J/IT | gallons | (L/sec) | 100 | 125 | 150 | 200 | 250 | 300 |
| 252 | 1110 | 70 | 8.91 | 5.70 | 3.96 | 2.23 | 1.43 | 0.99 |
| 288 | 1268 | 80 | 10.19 | 6.52 | 4.53 | 2.55 | 1.63 | 1.13 |
| 324 | 1427 | 90 | 11.46 | 7.33 | 5.09 | 2.86 | 1.83 | 1.27 |
| 360 | 1585 | 100 | 12.73 | 8.15 | 5.66 | 3.18 | 2.04 | 1.41 |
| 403 | 1775 | 112 | 14.26 | 9.13 | 6.34 | 3.57 | 2.28 | 1.58 |
| 432 | 1902 | 120 | 15.28 | 9.78 | 6.79 | 3.82 | 2.44 | 1.70 |
| 468 | 2061 | 130 | 16.55 | 10.59 | 7.36 | 4.14 | 2.65 | 1.84 |
| 504 | 2219 | 140 | 17.83 | 11.41 | 7.92 | 4.46 | 2.85 | 1.98 |

