

# BA150E Diesel Driven

## Dewatering and Sewage Pump

Max. 475 m<sup>3</sup>/hour, Max. 38 mwc



### Pump specifications:

<b>Type</b>	BA150E D285
<b>Max. flow</b>	475 m <sup>3</sup> /hour
<b>Max. pressure</b>	37 mwc
<b>Connections</b>	DN 150
<b>Solids handling</b>	80 mm
<b>Impeller type</b>	Semi-open impell
<b>Priming system</b>	BBA MP50
<b>Engine</b>	Perkins 404D-22T
<b>Emission Level</b>	Stage V
<b>Canopy</b>	M10-23X
<b>Sound level</b>	64 dB(A) at 10m
<b>Weight (net)</b>	1675 kg

## 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 galvanized 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

# BA150E Electrically Driven

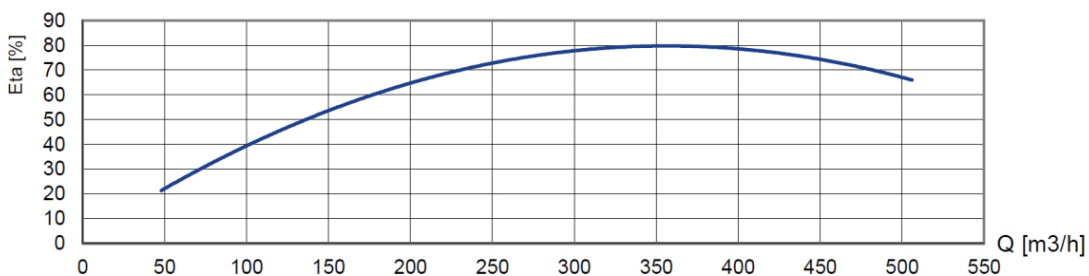
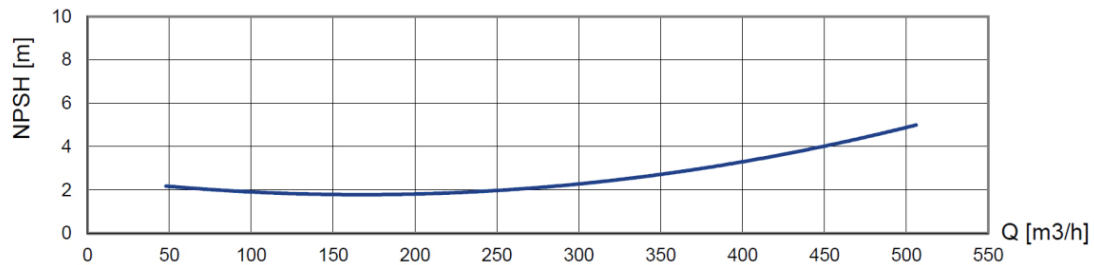
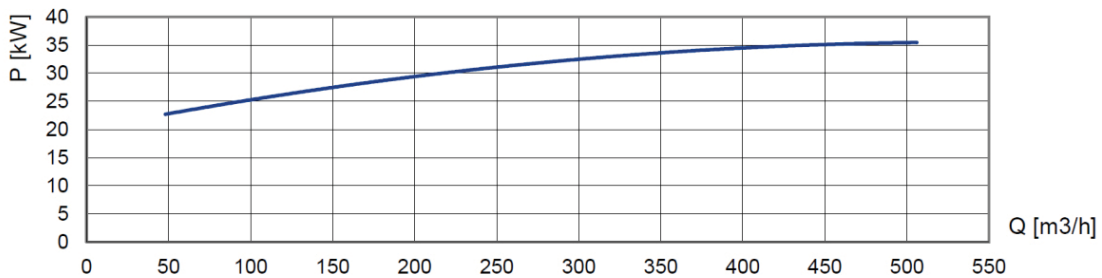
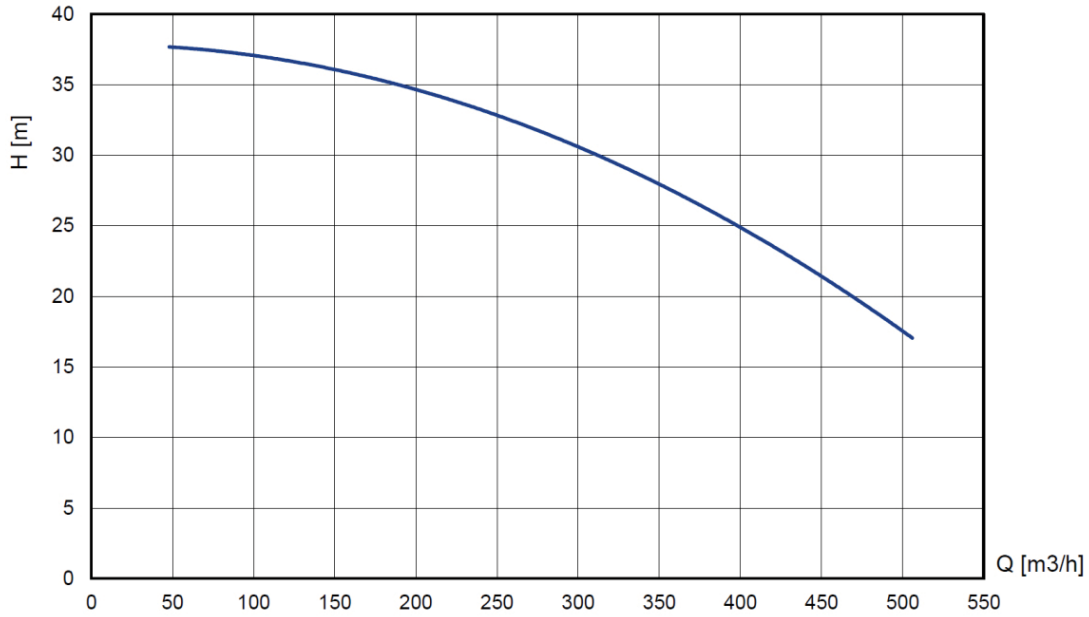
Dewatering and Sewage Pump

Max. 500 m<sup>3</sup>/hour, Max. 38 mwc



## PERFORMANCE CURVES (1900 RPM)

Continuous duty according ISO 9906



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### STANDARD TECHNICAL SPECIFICATIONS

#### BBA auto prime pump

<b>Pump type</b>	BA150E D285
<b>Max. flow</b>	475 m <sup>3</sup> /hour
<b>Max. head</b>	37 mwc
<b>Impeller type</b>	Semi-open impeller
<b>Solids handling</b>	80 mm
<b>Pump casing</b>	Cast iron GG20
<b>Impeller</b>	Chrome Moly 42CrM04
<b>Self-cleaning wear plate</b>	Chrome Moly 42CrM04 (cutter slots)
<b>Pump shaft</b>	C45
<b>Shaft seal</b>	Mechanical seal
<b>Seal faces</b>	Tung/Sic
<b>Seal rubber</b>	Viton



#### BBA priming system

<b>Pump type</b>	BBA MP50 Diaphragm pump
<b>Air handling capacity</b>	50 m <sup>3</sup> /h (30 CFM)
<b>Max. vacuum</b>	8.5 m (29 inHg)
<b>Drive</b>	Toothed belt (continuous drive)
<b>Float box</b>	Aluminium
<b>Non return valve</b>	Cast iron GG25
<b>Check valve disc</b>	Buna-N



#### Engine

<b>Engine brand</b>	Perkins
<b>Engine type</b>	4H50TICD
<b>Max. power IFN</b>	37 kW (50Hp)1500-
<b>Variable engine speed</b>	1800 RP 237 g/kWh
<b>Fuel consumption</b>	2.2L
<b>Displacement</b>	4
<b>Number of cylinders</b>	Water cooled
<b>Aftertreatment</b>	Stage V
<b>Emission level</b>	Tier 4i



#### BBA control panel LC40

- Auto start/stop system
- Two float switches included (10m cable)
- Key switch
- RPM. control with push buttons
- Warning lights
- 4.3" LCD display

The LCD monitor displays additional engine data, e.g. actual engine speed, working hours, battery voltage, fuel consumption and failures in clear text (Multilanguage support)

#### Fuel system

- Composite fuel tank 300 L (80 US Gallon)
- Fuel tank cap Ø 100 mm (4 inch)
- Electronic fuel injection system

#### Electrical system & safety features

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

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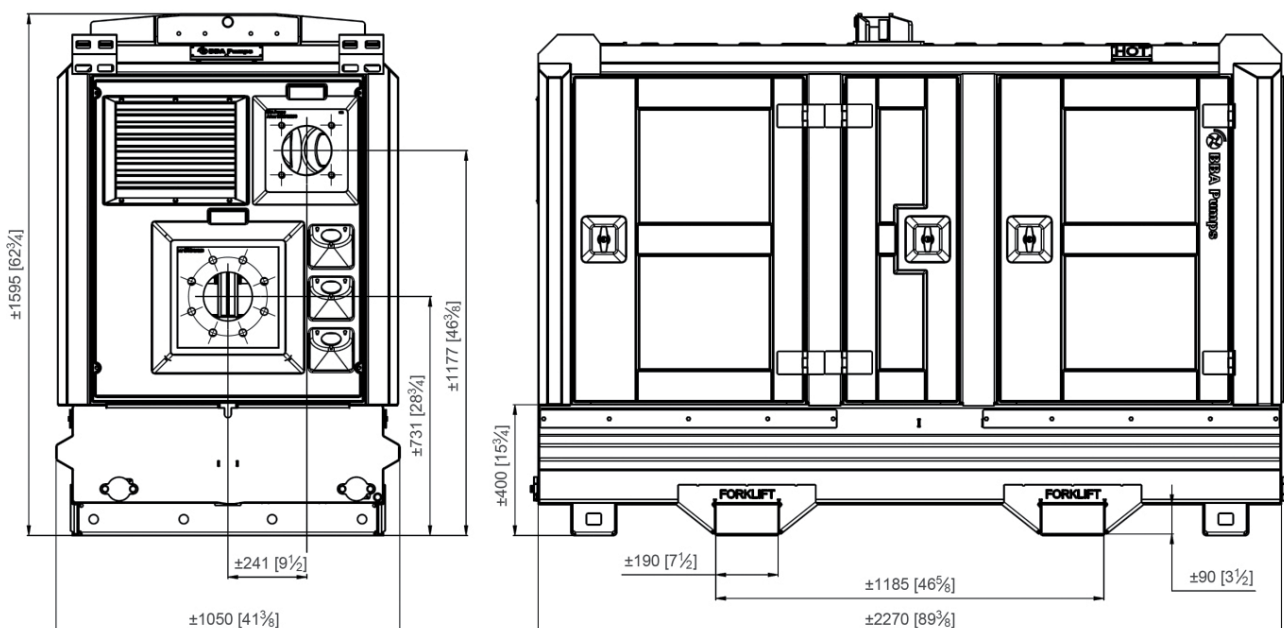
## CANOPY M10-23

### BBA sound attenuating canopy

<b>Canopy type</b>	M10-23X
<b>Dimensions L x W x H</b>	2270 x 1050 x 1595 mm
<b>Basic frame</b>	Hot dip galvanised
<b>Roof panel</b>	Composite roof panel
<b>Doors</b>	5 lockable composite doors
<b>Fuel tank</b>	PE net 300 ltr
<b>Fuel tank autonomy</b>	30 hours (at 1900 rpm BEP)
<b>Fuel tank cap</b>	100 mm
<b>Electrical isolation</b>	Battery isolator switch
<b>Forklift pockets</b>	Fitted with 2 forklift pockets
<b>Lifting point</b>	Fitted with single lifting point
<b>Stackable</b>	Canopy is stackable
<b>Exhaust system</b>	Fully integrated in canopy
<b>Additional</b>	Fitted with oil-water separator
<b>Connections</b>	Please consult "auxiliary items"
<b>Documentation box</b>	BBA user manual and warranty book

### BBA E-lift® system

The M10-23X canopy has been fitted with the BBA E-lift® system. By removing the roof panel, the pump and diesel engine as a whole can be removed from the canopy effortlessly allowing easy preventative maintenance on the pump and diesel engine. In addition, as the canopy is not fitted with padding or insulation materials, it can be cleaned quickly using a pressure washer.



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.



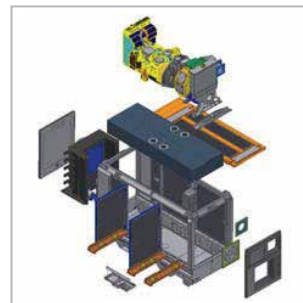
### Fuel tank

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



### Safety

Extremely durable and lockable T-locks offering perfect grip.



### Speedy servicing

By removing the roof panel, the pump and diesel engine as a whole can be removed from the canopy effortlessly allowing easy preventative maintenance on the pump and diesel engine.



### Large inspection covers

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



### Easy inspection

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



### 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.