

BA150E Diesel Driven

Dewatering & Sewage Pump

Max. 475 m³/hour, Max. 37 mwc



Pump specifications:

Type	BA150E D285
Max. flow	475 m ³ /hour
Max. pressure	37 mwc
Connections	DN 150
Solids handling	80 mm
Impeller type	Semi-open impell
Priming system	BBA MP100
Engine	Perkins 404D-22T
Emission Level	Stage V
Canopy	M10-23
Weight (net)	1675 kg
Sound level	64 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 EU stage & US EPA Tier regulations
- 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

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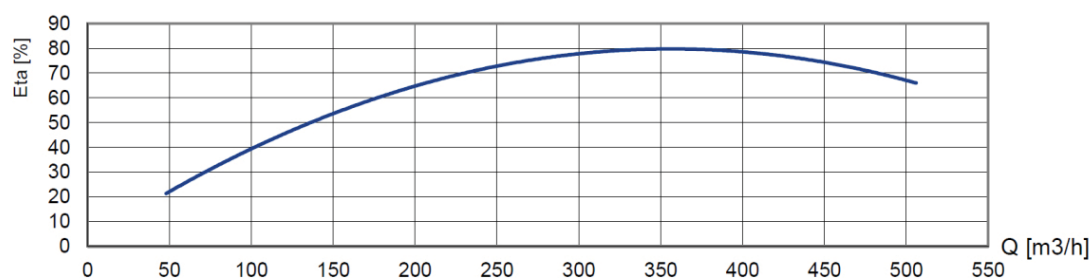
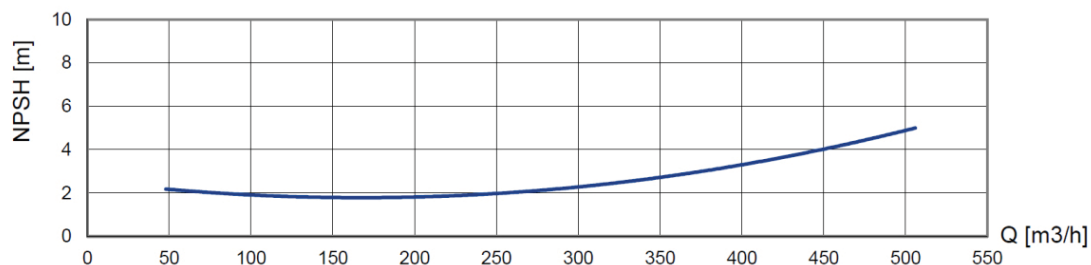
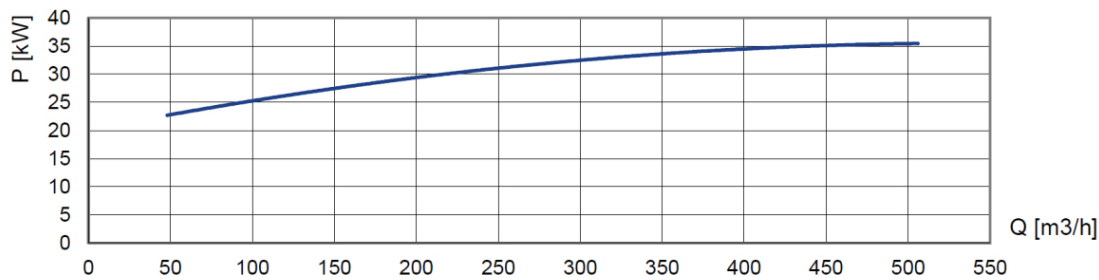
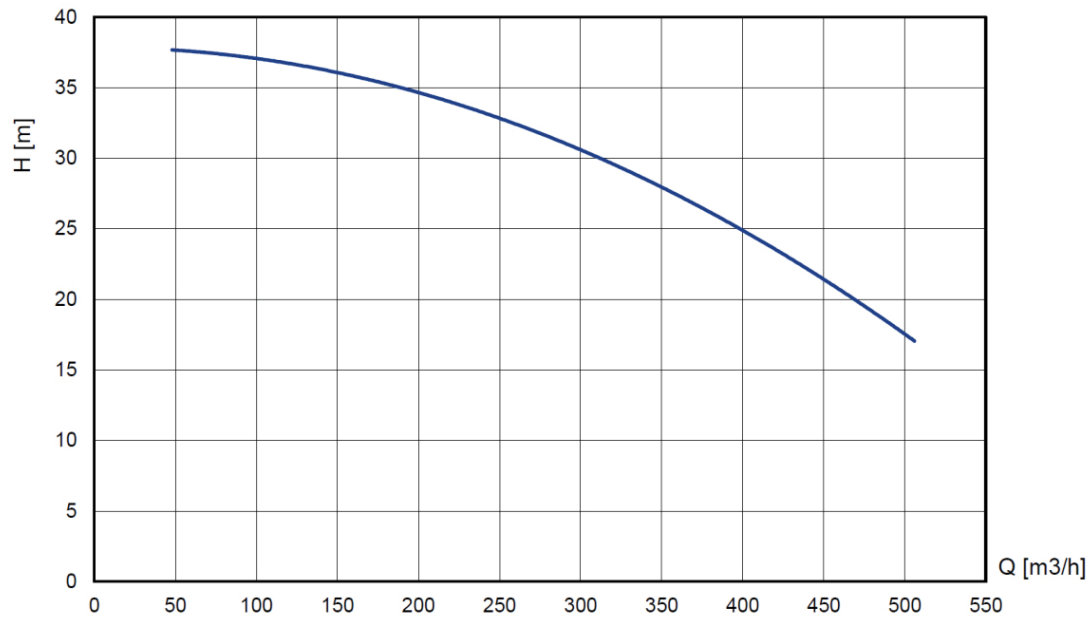
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PERFORMANCE CURVES (1900 RPM)

Continuous duty according ISO 9906



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STANDARD TECHNICAL SPECIFICATIONS

BBA auto prime pump

Pump type	BA150E D285
Max. flow	475 m ³ /hour (2090 US GPM)
Max. head	37 mwc (125 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 60 mm (2.36 inch)
Seal faces	Sic/Sic
O-ring	Viton

BBA priming system

Pump type	BBA MP50 & MP100 Diaphragm pump
Air handling capacity	100 m ³ /h (30 CFM)
Max. vacuum	8.5 m (29 inHg)
Drive	Toothed belt (continuous drive)
Float box	St 37 hot dip galv.
Non return valve	Cast iron GG25
Check valve disc	Buna-N

Engine

Engine brand	Perkins
Engine type	404D-22T
Flywheel power	37 kW (50 Hp)
Max. engine speed	1500 – 1800 RPM
Fuel consumption	237 g/kWh
Displacement	2.2 l
Number of cylinders	4
Cooling system	Water cooled
Exhaust emission EU	Stage IIIB
Exhaust emission US	Tier 4i

BBA control panel LC06

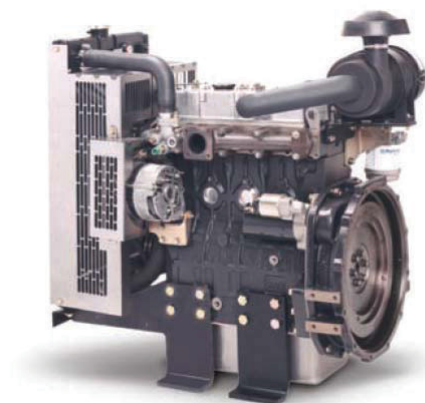
- Auto start/stop system
- Two float switches included (10m cable)
- Switch Manual-O-Auto
- Tachometer
- Hour counter
- Warning light "oil temperature"
- Warning light "alternator"

Fuel system

- PE fuel tank 300 L. net (80 US Gallon)
- Fuel tank cap Ø 100 mm
- Fuel gauge on tank
- Mechanical fuel injection system
- Fitted with water separator & extra in-line fuel filter

Electrical system & safety features

- Nominal voltage 12 Volt
- Premium quality battery 92 amp.
- Low oil pressure shut down
- High temperature shut down



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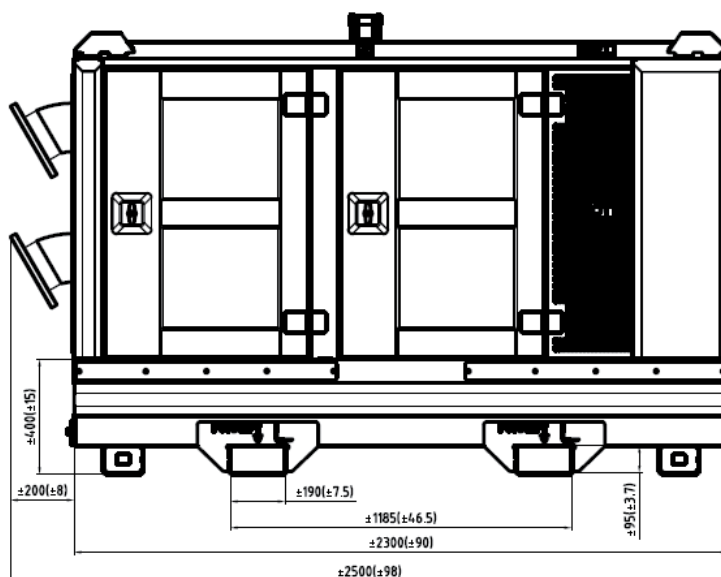
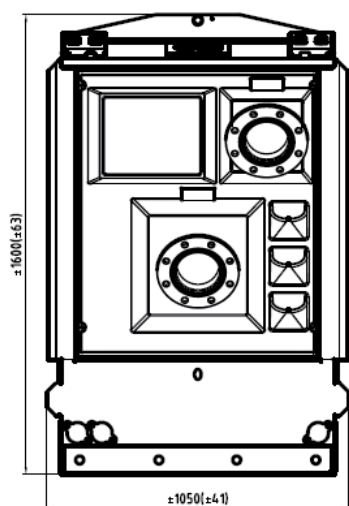
CANOPY M10-23

BBA sound attenuating canopy

Canopy type	M10-23
Dimensions L x W x H	2270 x 1050 x 1533 mm
Dimensions L x W x H	89.4 x 41.3 x 60.4 inch
Basic frame	Hot dip galvanised
Panels	ABS/ASA
Doors	4 Easy-access doors (lockable)
Fuel tank	PE net 300 ltr (80 US Gallon)
Fuel tank autonomy	30 hours (at 1800 rpm BEP)
Fuel tank cap	100 mm (4 inch)
Forklift pockets	Fitted with 2 forklift pockets
Lifting point	Fitted with single lifting point
Stackable	Canopy is stackable
Oil drain pump	Please consult "auxiliary items"
Connections	Please consult "auxiliary items"
Exhaust system	Fully integrated in canopy
Radiator box	Fitted with quick release system for easy cleaning
Additional	Fitted with oil-water separator

BBA E-lift® system

The M10-23 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.



Easy to clean canopy

The units are silenced without using sound-dampening materials, allowing the canopies to be cleaned with a pressure washer.



Easy inspection

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



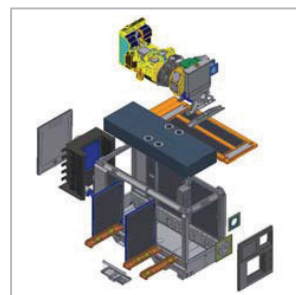
Fuel tank

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



Large inspection covers

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



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.

E-lift



Safety

Extremely durable and lockable T-locks offering perfect grip.



Interchangeable parts

Modular construction to ensure minimal spare part stock levels.