

**BA100E Diesel Driven
Dewatering and Sewage Pump
Max. 1166 US GPM, Max. 117 ft. / 51 PSI**



Pump specifications:

Type.....BA100E D265
Max. flow 1166 US GPM (265 m³/hour)
Max. pressure..... 117 ft./ 51 PSI (35 mwc)
Connections..... 6" (DN 150)
Solids handling 3,15" (80 mm)
Impeller type Open impeller
Priming system BBA MP50
Engine Hatz 3H50TIC
Canopy M10-23
Dry weight..... 3527 lb. (1600 kg)
Sound level..... 61 dB(A) at 33 ft.

FEATURES

BA auto prime pump

The BA range of pumps has been designed with a clear focus on reliability, efficiency and durability. Featuring a fully automatic 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 demanding construction market.

World-class performance

The BA range is built to be deployed on the most demanding 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 self contained unit featuring a double wall fuel containment tank and fluid containment system 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

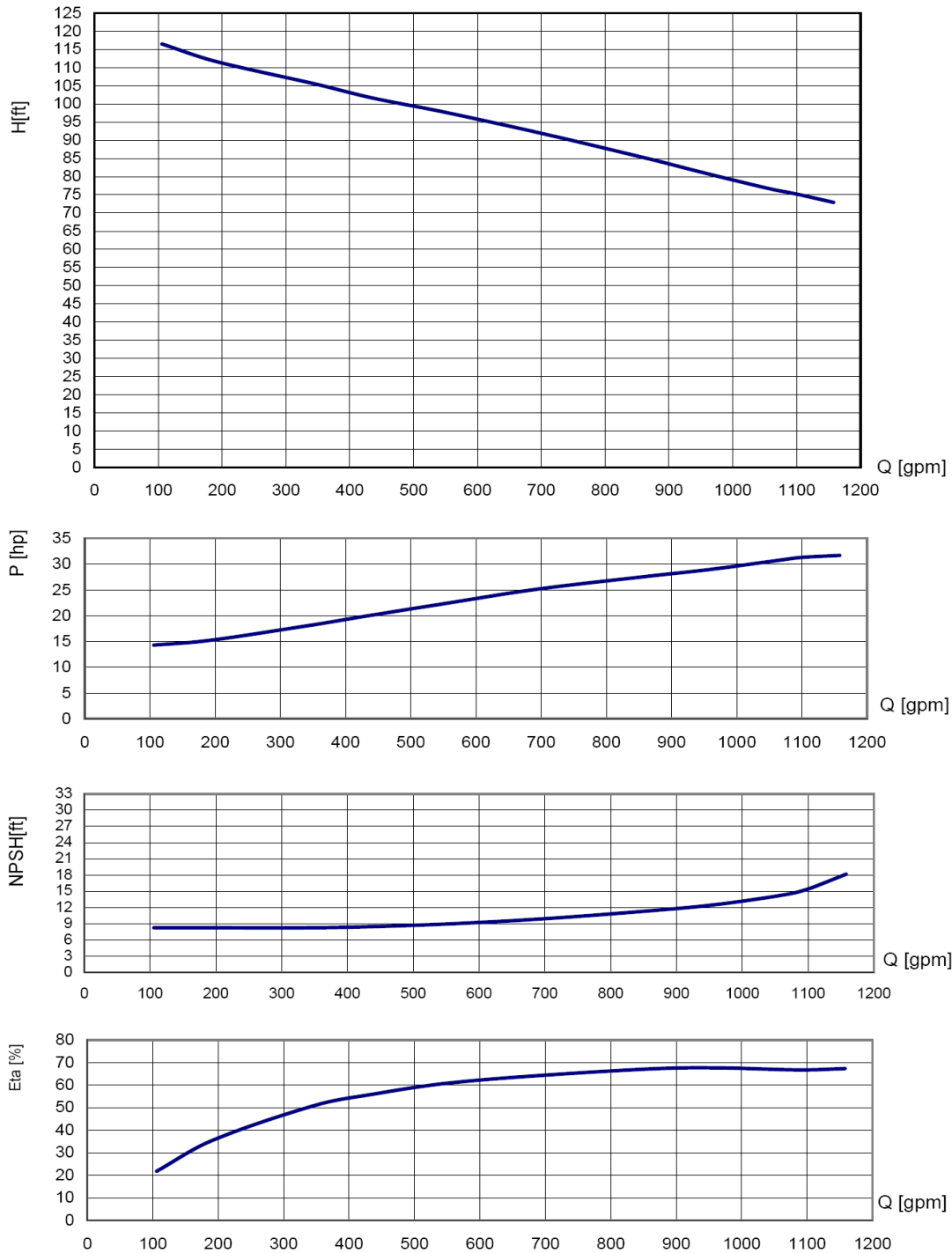
After sales service & product support

- 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



PERFORMANCE CURVES (1800 RPM)

Continuous duty according ISO 9906



STANDARD TECHNICAL SPECIFICATIONS

BBA auto prime pump

Pump type.....	BA100E D265
Max. flow.....	1166 US GPM (265 m ³ /hour)
Max. head.....	117 feet / 51 PSI (35 mwc)
Impeller type	Open impeller
Solids handling	3.15 inch (80 mm)
Pump casing.....	Cast iron GG20
Impeller	Chrome Moly 42CrM04
Wear plate	Chrome Moly 42CrM04
Pump shaft.....	C45
Shaft seal.....	Mechanical seal 2.36 inch (60mm)
Seal faces	Tung/Sic
Seal rubbers	Viton



BBA priming system

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



Engine

Engine brand	Hatz
Engine type.....	3H50TIC
Max. power output	57 Hp (42 kW)
Variable speed.....	Max. 1800 RPM
Displacement.....	1.5 l
Number of cylinders.....	3
Aftertreatment.....	EGR, DOC
Exhaust emission US	EPA Tier 4 final

LOFA control panel

- Auto start/stop system
- Two float switches included (10m cable)
- Switch Manual-0-Auto
- Warning lights
- Safety features to protect the engine
- High resolution 4.3" LCD monitor



Fuel system

- PE fuel tank 80 US Gallon (300 L.) net
- Fuel tank cap Ø 4" (100 mm)
- Fuel gauge on tank
- 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

CANOPY M10-23

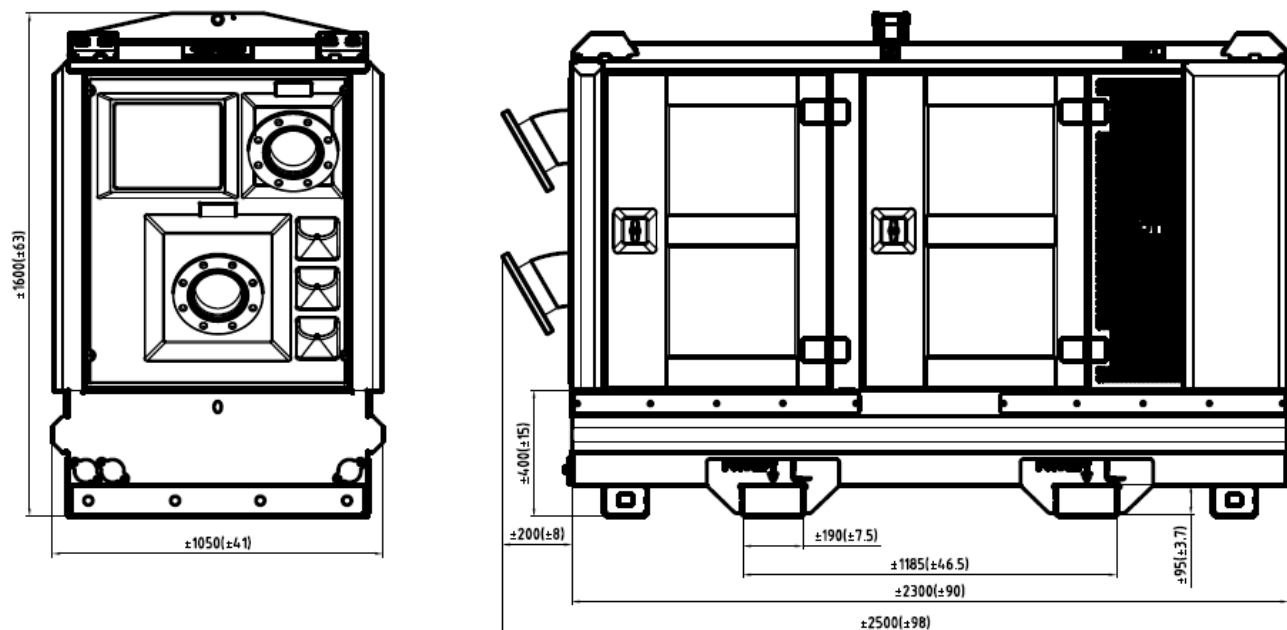
BBA sound attenuating canopy

Canopy type.....	M10-23
Dimensions L x W x H	89.4 x 41.3 x 60.4 inch
Dimensions L x W x H	2270 x 1050 x 1533 mm
Basic frame.....	Hot dip galvanised
Panels	ABS/ASA
Doors	4 Easy-access doors (lockable)
Fuel tank	PE net 80 US Gallon (300 ltr)
Fuel tank cap	4 inch (100mm)
Forklift pockets.....	Fitted with 2 forklift pockets
Lifting point	Fitted with single lifting point
Stackable	Canopy is stackable
Connections.....	Please consult "auxiliary items" in overleaf
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 & inches) may vary depending on selected quick couplings.

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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 30 CFM per hour.



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



Fuel tank
Double wall fuel containment, corrosion-free, 80 US Gallon, high-density polyethylene (HDPE) fuel tank, located in base of canopy.



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.



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

Pictures used are for illustration purposes only.