
 Stackable frame **BF10-23**
Pump specifications:

Type.....	BV150 D285
Max. flow	430 m ³ /hour (1890 US gpm)
Max. pressure	24 mwc (79 ft.)
Connections.....	DN150 (6")
Solids handling	80 mm (3.15")
Impeller type	Semi-open impeller
Priming system	BBA MP100
Electric motor.....	30 kW – 4 pole
Voltage	400/690V 50 Hz
Motor control.....	See options page 4
Frame or canopy	BF10-23 or L10-23
Dry weight.....	1600 kg / 1700 kg

FEATURES
BV auto prime pump

The BV range of pumps has been designed with a clear focus on reliability and durability. Featuring a 100% mechanical priming system, the BV series pumps quickly prime and re-prime, even from dry conditions. The heavy build style of both pump and frame make the BV range perfect for use in the strenuous drilling market.

World-class performance

The BV range is built to be deployed on the most demanding drilling and bentonite 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".

Electric pumps in canopy

- Extremely low noise level
- Maximum safety while running
- Better resistant to vandalism
- More space for your branding
- Optimal weather protection
- Minimal ageing, therefore stable in value

Complete package designed & built by BBA Pumps

- Complete in-house design & production
- Over 70 years of experience in the market
- Complete testing facility in-house
- Contemporary & functional design
- Durable & eco-friendly materials
- Custom builds available

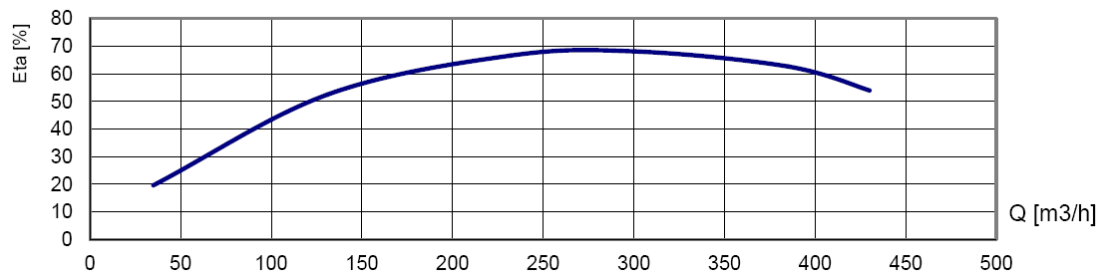
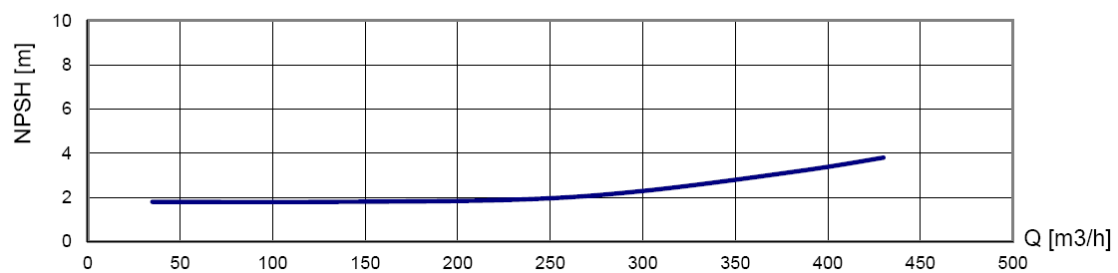
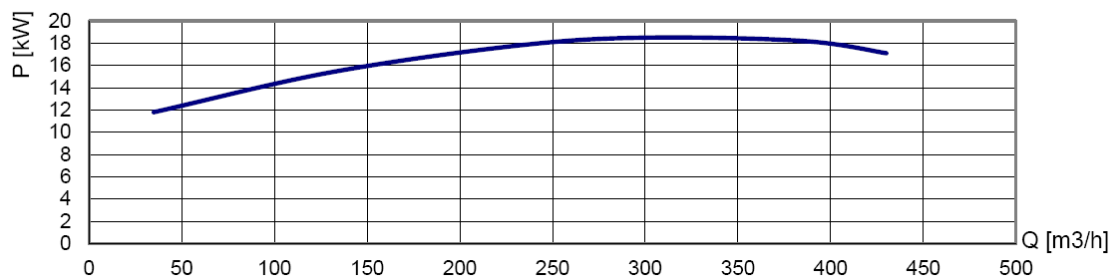
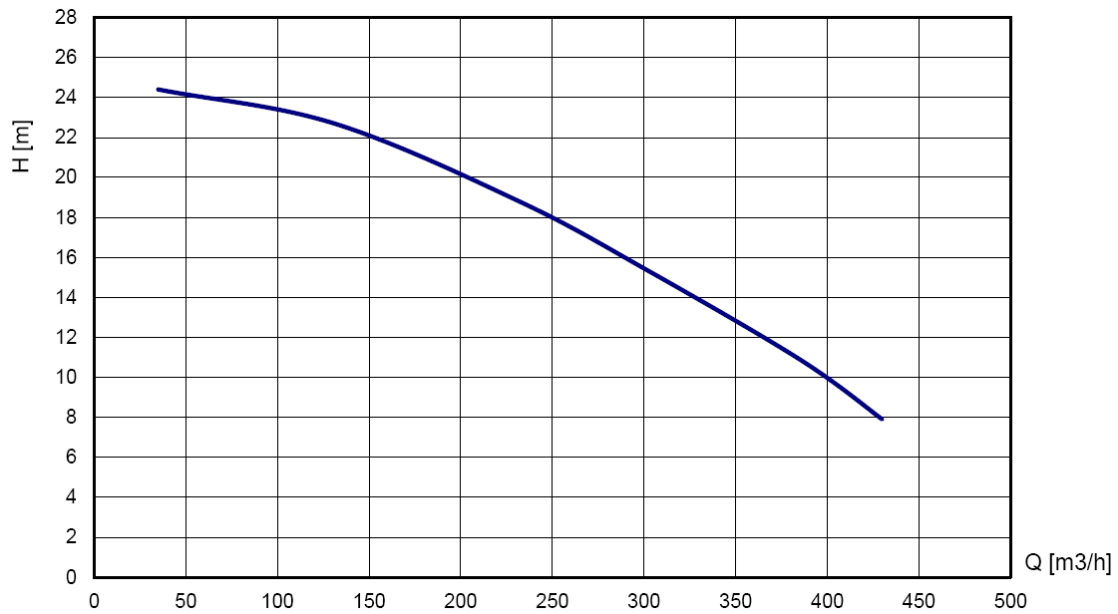
After sales service & product support

- 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 available
- Extensive training options available (technical & commercial), on-site or in-house


 Canopy **L10-23**

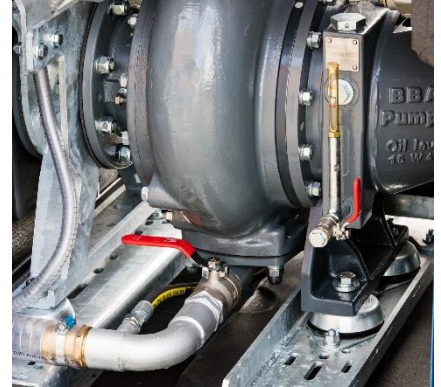
PERFORMANCE CURVES (1475 RPM)

Density: 998.3 kg/m³



STANDARD TECHNICAL SPECIFICATIONS
BBA auto prime pump

Pump type.....	BV150 D285
Max. flow.....	430 m ³ /hour (1890 US gpm)
Max. head.....	24 mwc (79 feet)
Impeller type.....	Semi-open impeller
Solids handling.....	80 mm (3,15 inch)
Pump casing.....	Cast iron GG25
Impeller.....	Chrome Moly 42CrM04
Wear plate.....	Chrome Moly 42CrM04 (adjustable from the outside)
Pump shaft.....	42CrMo4 heat treated
Shaft seal.....	Mechanical seal
Seal faces.....	Tung/Tung
Seal rubbers.....	Viton


BBA priming system

Pump type.....	BBA MP100 Diaphragm pump
Air handling capacity.....	100 m ³ /h (59 CFM)
Max. vacuum.....	8.5 m (29 inHg)
Drive.....	E-motor 400V
Float box.....	"Easy clean" hot dip galvanized
Non return valve.....	Cast iron GG25
Check valve disc.....	Buna-N

Electric motor

Motor type.....	HMC 200L-4
Power.....	30 kW (41 Hp)
Voltage.....	400/690 V
Current I _n	53 A
4-pole.....	1480 rpm
Protection class.....	IP55
Standard.....	IEC 60034


BBA stackable frame or canopy

Frame.....	Steel hot dip galvanized
Dimensions L x W x H.....	2663 x 1040 x 1404 mm
Dimensions L x W x H.....	105 x 41 x 55,3 inch
Lifting point.....	Fitted with single lifting point
Forklift pockets.....	Fitted with 2 forklift pockets
Stackable.....	Frame is stackable
Control panel.....	See options page 4

All electrical components **safe** and **dry** behind a lockable door.




MOTOR CONTROLS (configurable)

Mobile electric pumps in stackable frames or sound attenuated canopies are equipped with a lockable compartment. This is where the electrical components – such as the motor control – are mounted safely and dry. Configure your pump unit with one of the motor controls listed below.


DOL

Direct On Line	With DOL delivery, the electric BBA pump unit is supplied bare without a lockable compartment or motor control. To prevent pump damage, the user must ensure a proper motor start method.
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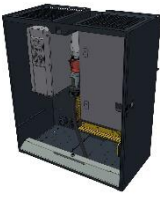
SD

Star-Delta	With SD delivery, the electric BBA pump unit is supplied with a star-delta switch. This is only possible for pumps with a motor power up to 30 kW and sufficient available electrical power due to peak current during start-up. (The vacuum pump always runs together with the main pump)	
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SS

Soft Starter	The SS package, the BBA electric pump unit is fitted with a soft starter. This motor control ensures a smooth start with constant acceleration, reduces starting current and avoids unnecessary mechanical stress on the pump. Another advantage is the linear stop, which prevents pump damage due to water hammer.	
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VFD

Variable Frequency Drive	With the VFD model, the electrical BBA pump unit is equipped with a Variable Frequency Drive. This allows you to regulate the water flow and pressure by adapting the motor speed. In addition to energy savings, variable frequency drives offer many features and optimum pump protection. The unit is also equipped with a more powerful motor so that the pump can run up to 60 Hz.	
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	DOL	SD	SS	VFD
Automatic level control	X	X	✓	✓
PTC thermal protection	X	X	✓	✓
Direction of rotation / phase loss protection	X	✓	✓	✓
Hour counter / malfunction lamp / switch	X	✓	✓	✓
Emergency stop according to 'SIL 2'	X	✓	✓	✓
Vacuum pump automatic on/off	X	X	✓	✓
Multilingual display	X	X	✓	✓

Discuss other specific options with your account manager or BBA Pumps distributor.



Optional central flushing
 The BV series is optional available with a central flushing system to keep your sludge pump in optimal condition very easily.



Standard Cillit clear filter
 This allows you to easily protect your vacuum pump. If the float box is dirty and therefore does not function optimally, it is immediately visible in this filter.



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



Standard vacuum pump
 Double diaphragm pump, water-resistant and oil-spillage free. Air capacity of 100 m³/hour.



Standard impeller
 Corrosion and abrasion resistant Chrome Moly (42CrM04) semi-open impeller.



Standard inspection covers
 Large ports for easy access to float box, impeller and non-return valve.

Pictures used are for illustration purposes only.