

Diesel Driven Bentonite and Sludge Pump BV150 D275



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".

KEY FEATURES

- Robust pump design
- Extensive flushing system
- 100 m³/h oil-spill free priming system
- Easy clean floating boxes
- Large inspection covers for easy access

Complete package designed & built by BBA Pumps

- Complete in-house design & production
- Over 60 years of experience in the market
- Complete testing facility in-house
- Contemporary & functional design
- Durable & eco-friendly materials
- Custom builds available

PUMP SPECIFICATIONS

Type	BV150 D275
Max. Flow	500 m ³ /hour (2200 US GPM)
Max. pressure	42 mwc (138 ft.)
Connections	DN 150 (6")
Solids handling	80 mm (3.15")
Impeller type	Semi-open impeller
Priming system	BBA MP100
Engine	Hatz 4H50TIC
Canogy	M10-25
Sound level	Approx. 62 dB (A) at 10 m
Dry weight	1950 kg (4290 lbs.)

After sales service & product support

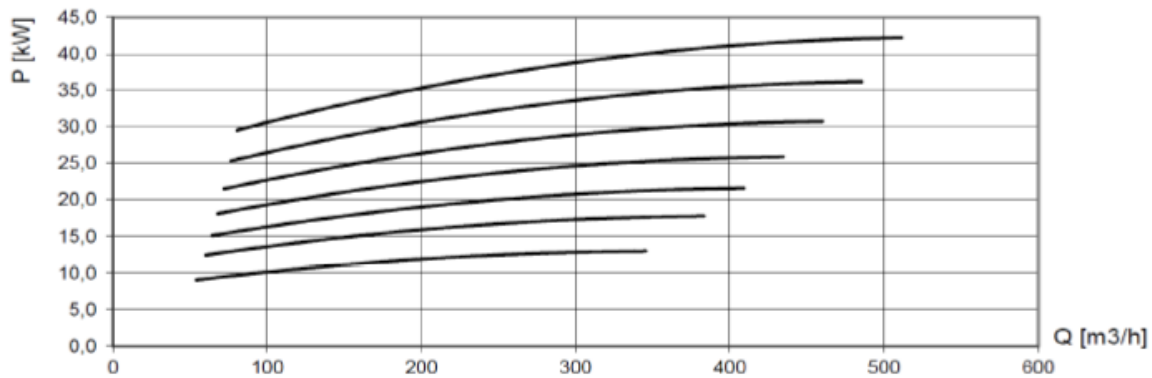
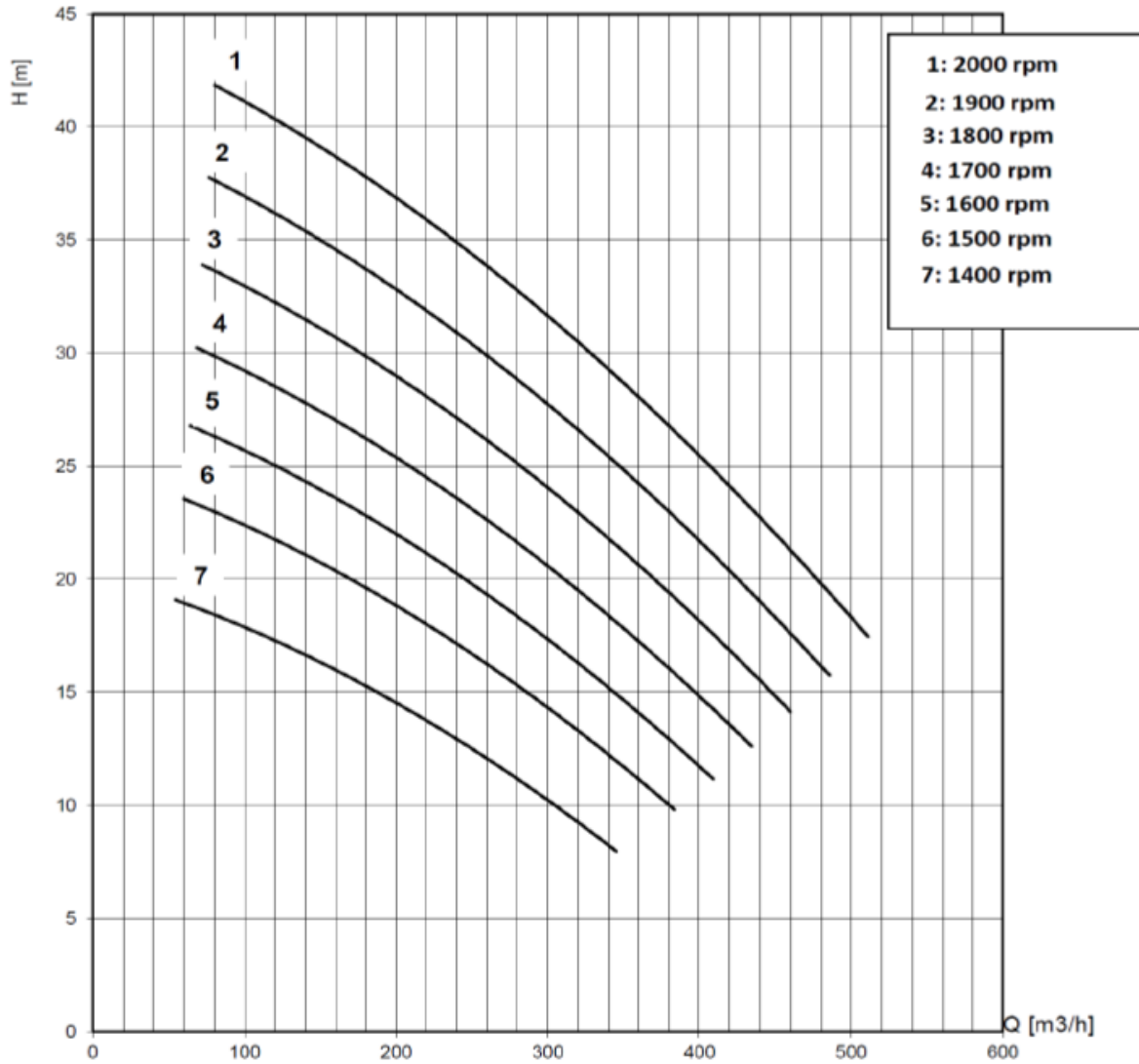
- Single supplier for parts, spares & accessories
- Dedicated customer help-desk (24h service)
- Dedicated service department in-house
- Global parts distribution network
- Optional global on-site servicing available
- Extensive training options available (technical & commercial), on-site or in-house





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PERFORMANCE CURVES (various speed)
Continuous duty according ISO 9906 - Fluid Density: 998.3

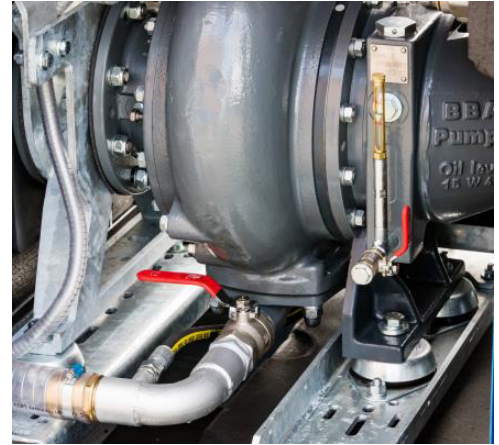


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STANDARD TECHNICAL SPECIFICATIONS

BBA auto prime pump

Pump type	BV150 D275
Max. flow	500 m ³ /hour (2200 US GPM)
Max. head	42 mwc (138 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
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	Toothed belt (continuous drive)
Float boxes (2)	"Easy clean" hot dip galvanised
Non return valve	Cast iron GG25
Check valve disc	Buna-N



Engine

Engine brand	Hatz
Engine type	4H50TIC
Max. power IFN	55.4 kW (75 Hp)
Variable engine speed	1300 - 2000 RPM
Fuel consumption	210 g/kWh
Displacement	1,952 cm ³
Number of cylinders	4
Aftertreatment	EGR, DOC
Emission level	Stage IIIB / Tier 4 Final



BBA control panel LC04

- Auto start/stop system
- Two float switches included (10 m cable)
- Switch Manual-0-Auto
- Hour counter
- Warning light "oil temperature"
- Warning light "alternator"

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

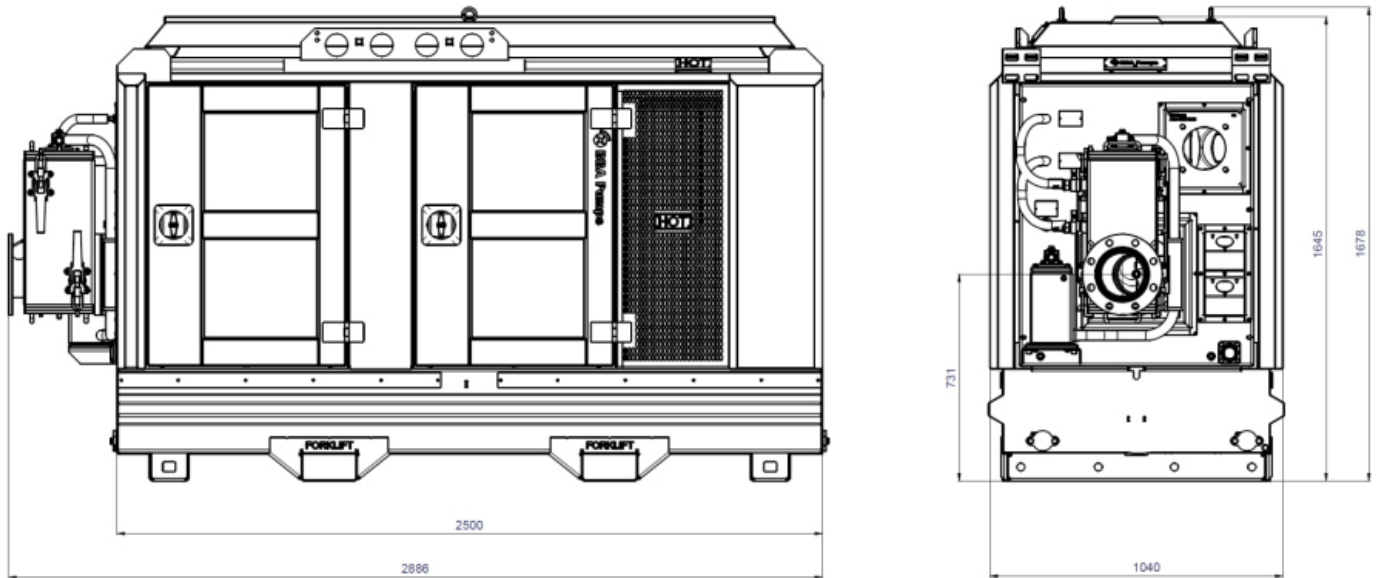


CANOPY M10-25

- BBA sound attenuating canopy
- Canopy type..... M10-25
- Dimensions L x W x H 2890 x 1050 x 1680 mm
- Dimensions L x W x H 113.8 x 41.3 x 66.1 inch
- Basic frame Hot dip galvanised
- Doors 4 easy-access composite doors (lockable)
- Frontpanel Steel hot dip galvanised
- Fuel tank PE net 300 ltr (80 US Gallon)
- Fuel tank autonomy 25 hours (at 2000 rpm BEP)
- Fuel tank cap 100 mm (4 inch)
- Forklift pockets..... Fitted with 2 forklift pockets
- Lifting point Fitted with lifting points
- Connections Please consult "auxiliary items" in overleaf
- Exhaust system Fully integrated in canopy
- Additional Fitted with oil-water separator
- Documentation box BBA user manual and warranty book

BBA E-lift® system

The M10-25 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.

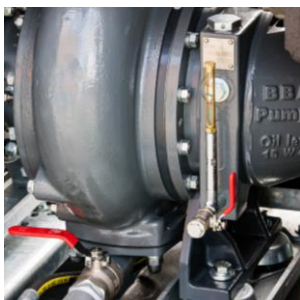




Central flushing system
The BV series comes standard with a central flushing system to keep your sludge pump in optimal condition.



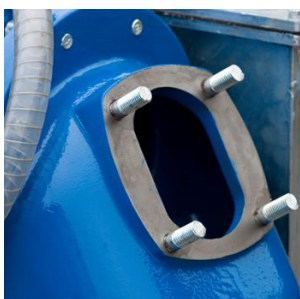
Double vacuum pump
Diaphragm pump, water-resistant and oil-spillage free.
Air capacity of 100 m³ per hour.



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



"Easy clean" floating boxes
Two fully galvanised floating boxes with stainless steel floaters are easy to clean after the job is done.



Large inspection covers
Easy access to suction spool, impeller and non-return valve.



Safety
Extremely durable and lockable T-locks offering perfect grip.

Pictures used are for illustration purposes only.

