


**Pump specifications:**

Type.....	BV150 D275
Max. flow .....	500 m <sup>3</sup> /hour (2200 US gpm)
Max. pressure .....	42 mwc (138 ft.)
Solids handling .....	80 mm (3,15")
Impeller type .....	Semi-open impeller
Priming system .....	BBA MP100
Engine .....	Hatz 4H50TICD
Emission level.....	Stage V
Canopy .....	M10-23X
Connections.....	DN150 (6")
Sound level.....	Approx. 66 dB (A) at 10 m
Dry weight.....	1790 kg (3946 lbs.)

**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".

**Key features**

- Robust pump design
- Extensive flushing system
- 100 m<sup>3</sup>/h oil-spill free priming system
- Easy clean floating box
- Large inspection covers for easy access

**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

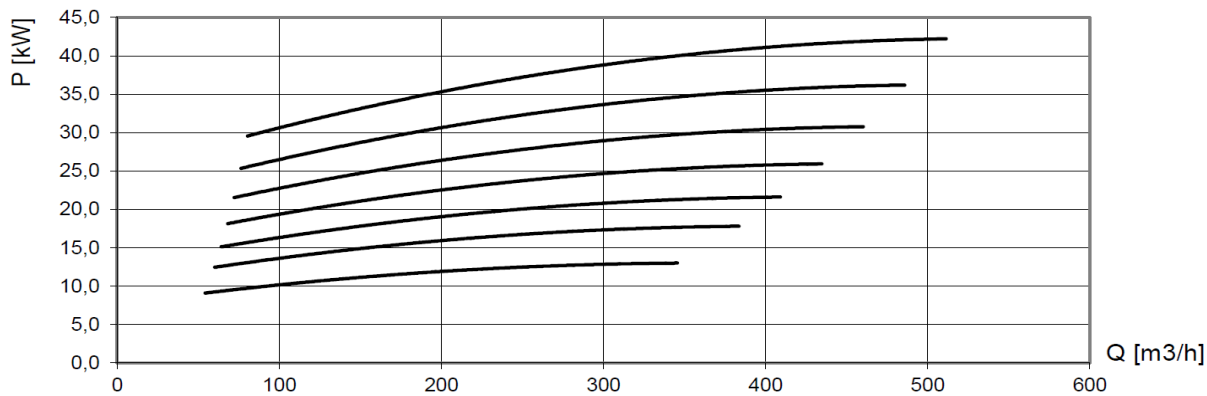
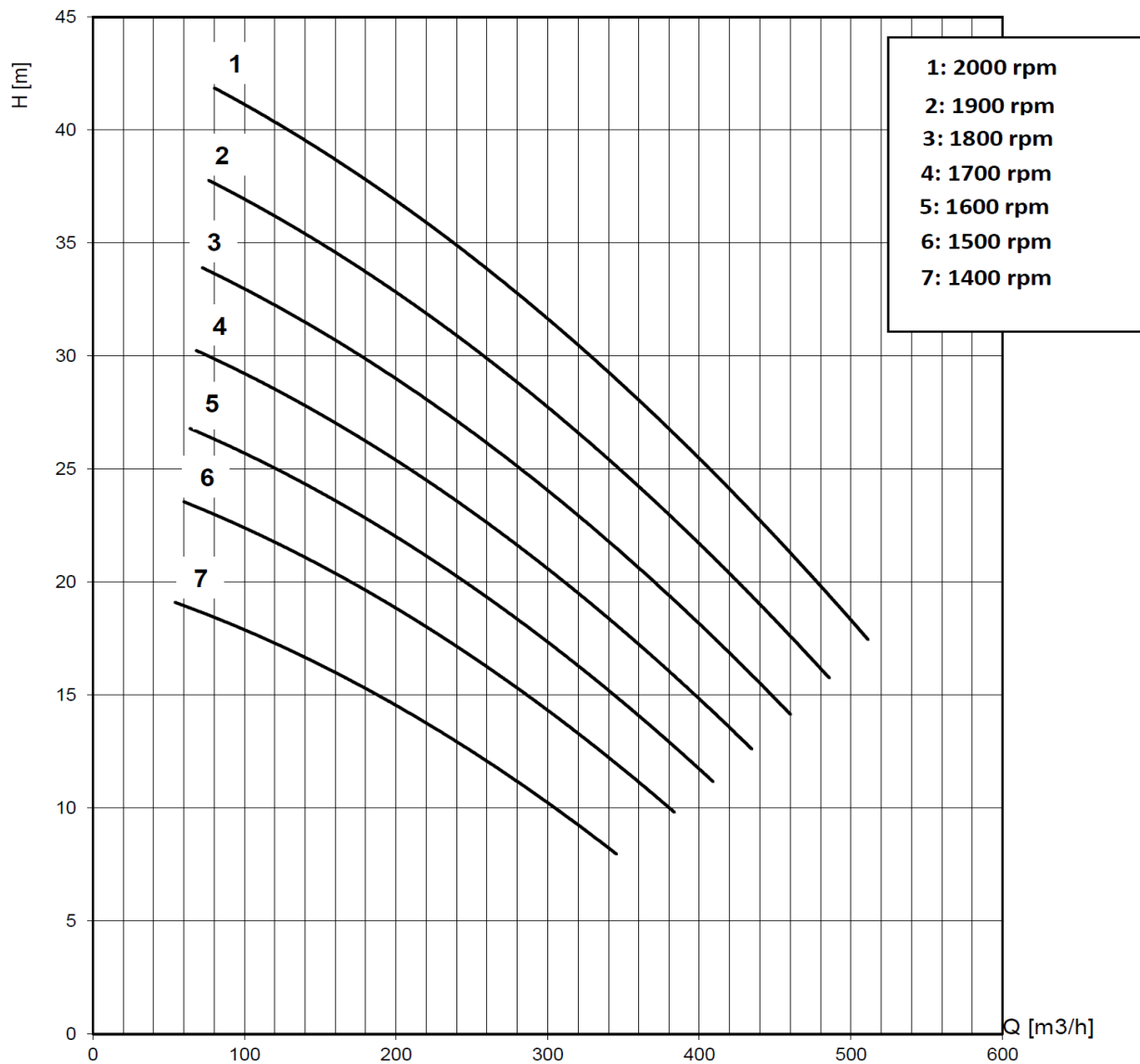
**After sales service & product support**

- 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



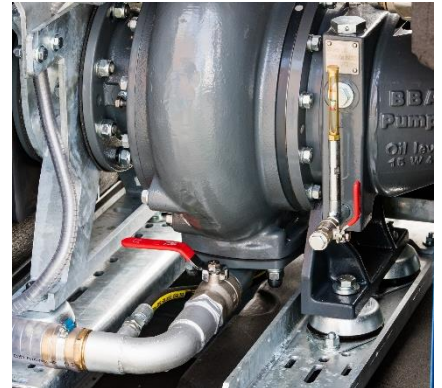
## PERFORMANCE CURVES (various speed)

Continuous duty according ISO 9906 – fluid density: 998.3 kg/m<sup>3</sup>



**STANDARD TECHNICAL SPECIFICATIONS**
**BBA auto prime pump**

Pump type.....	BV150 D275
Max. flow.....	500 m <sup>3</sup> /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 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 <sup>3</sup> /h (59 CFM)
Max. vacuum.....	8,5 m (29 inHg)
Drive.....	Toothed belt (continuous drive)
Float box.....	"Easy clean" hot dip galvanised
Non return valve.....	Cast iron GG25
Check valve disc.....	Buna-N

**Engine**

Engine brand.....	Hatz
Engine type.....	4H50TICD
Max. power IFN.....	55.4 kW (75 Hp)
Variable engine speed.....	1300 - 2000 RPM
Fuel consumption.....	210 g/kWh
Displacement.....	1,952 cm <sup>3</sup>
Number of cylinders.....	4
Aftertreatment.....	EGR, DOC, DPF
Emission level.....	Stage V


**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

## CANOPY M10-23X

### BBA sound attenuating canopy

Canopy type.....	M10-23X
Dimensions L x W x H .....	2663 x 1050 x 1595 mm
Dimensions L x W x H .....	104.8 x 41.3 x 62.8 inch
Basic frame .....	Hot dip galvanized
Doors .....	6 lockable composite doors
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)
Electrical isolation .....	Battery isolator switch
Forklift pockets.....	Fitted with 2 forklift pockets
Lifting point .....	Fitted with single lifting point
Stackable .....	Canopy is stackable
Exhaust system .....	Fully integrated in canopy
Additional .....	Fitted with oil-water separator
Connections.....	Please consult "auxiliary items" in overleaf
Documentation box.....	BBA user manual and warranty book



**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.



**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 m<sup>3</sup>/hour.

Pictures used are for illustration purposes only.