BV110 Diesel Driven
Bentonite and Sludge Pump
Max. 265 m^3/hour, Max. 34 mwc

Pump specifications:

Type	BV110 D265
Max. flow	265 m^3/hour (1166 US gpm)
Max. pressure	34 mwc (112 ft.)
Solids handling	80 mm (3,15")
Impeller type	Semi-open impeller
Priming system	BBA MP100
Engine	Perkins 404D-22T
Emission level	Stage IIIA
Canopy	M10-23X
Connections	4" or 6"
Sound level L_{PA}	65 dB(A) at 10 m
Dry weight	Approx. 1700 kg (3740 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”.

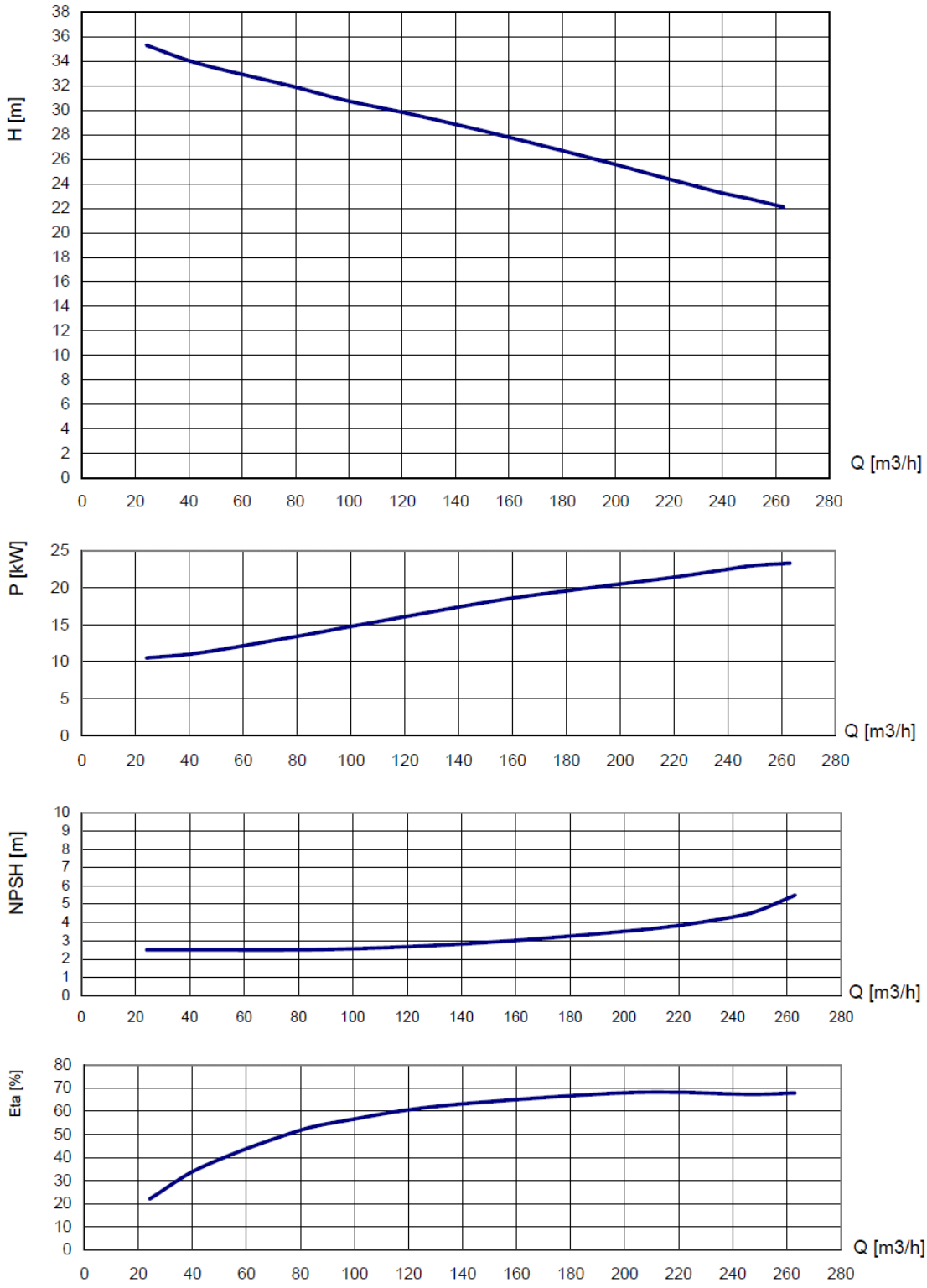
Key features
- Robust pump design
- Extensive flushing system
- 100 m3/h oil-spill free priming system
- Easy clean floating box
- Large inspection covers for easy access

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 (1800 RPM)

Continuous duty according ISO 9906 – fluid density: 998.3 kg/m³

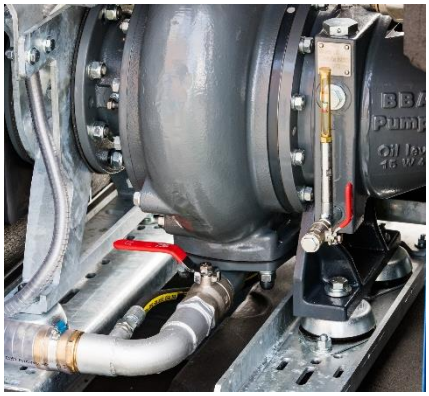


PUMPS FROM HOLLAND

STANDARD TECHNICAL SPECIFICATIONS

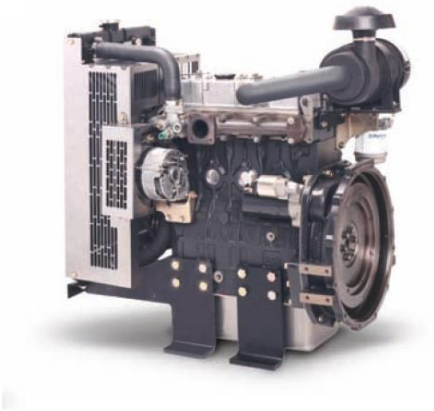
BBA auto prime pump

Pump type.....BV110 D265
Max. flow.....265 m³/hour (1166 US gpm)
Max. head.....34 mwc (112 ft.)
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 m³/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.....Perkins
Engine type.....404D-22T
Flywheel power.....36.4 kW (49 Hp)
Max. engine speed.....1800 RPM
Fuel consumption.....237 g/kWh
Displacement.....2.2 l
Number of cylinders.....4
Cooling system.....Water cooled
Emission compliant.....Stage IIIA

BBA dashboard LC20

- Auto start/stop system
- Two float switches included (10m cable)
- Switch Manual-0-Auto
- Tachometer
- Hour counter
- Warning lights “oil and engine temperature”
- Warning light “auto stand-by”

Fuel system

- PE fuel tank 300 L. net (80 US gallons)
- Mechanical fuel injection system
- Fitted with water separator & extra in-line fuel filter

Electrical system & safety features

- Premium quality battery
- Low oil pressure shut down
- High temperature shut down

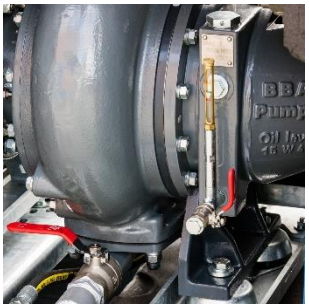
CANOPY M10-23X

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	40 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
Exhaust system	Fully integrated in canopy
Additional	Fitted with oil-water separator
Connections	Please consult “auxiliary items” in overleaf
Sound power level (L_{WA})	94 dB(A) according ISO 3744:2010
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^3/hour.

Pictures used are for illustration purposes only.