BA80H Electrically Driven
High Head Clear Liquid Pump
Max. 110 m^3/hour, Max. 115 mwc

Pump specifications:

Type	BA80H D275
Max. flow	110 m^3/hour (484 US gpm)
Max. pressure	115 mwc (380 ft.)
Solids handling	25 mm (1")
Impeller type	Enclosed impeller
Priming system	BBA MP50
Electric motor	55 kW | 2 pole | 400/690V
Motor control	Frequency drive
Display	HMI touchscreen
Canopy	M10-25
Discharge x suction	DN80 x DN150 (3" x 6")
Weight (approx.)	1950 kg

FEATURES

BA auto prime pump
The BA range of pumps has been designed with a clear focus on reliability, efficiency and durability. Featuring the 100% mechanical 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 strenuous contractor market.

World-class performance
The BA range is built to be deployed on the most demanding dewatering and sewage bypassing applications. Using high efficiency pumps and electric motors, the pumps offer maximum performance at minimal cost, fully in-sync with the company philosophy of “Lowest cost of ownership”.

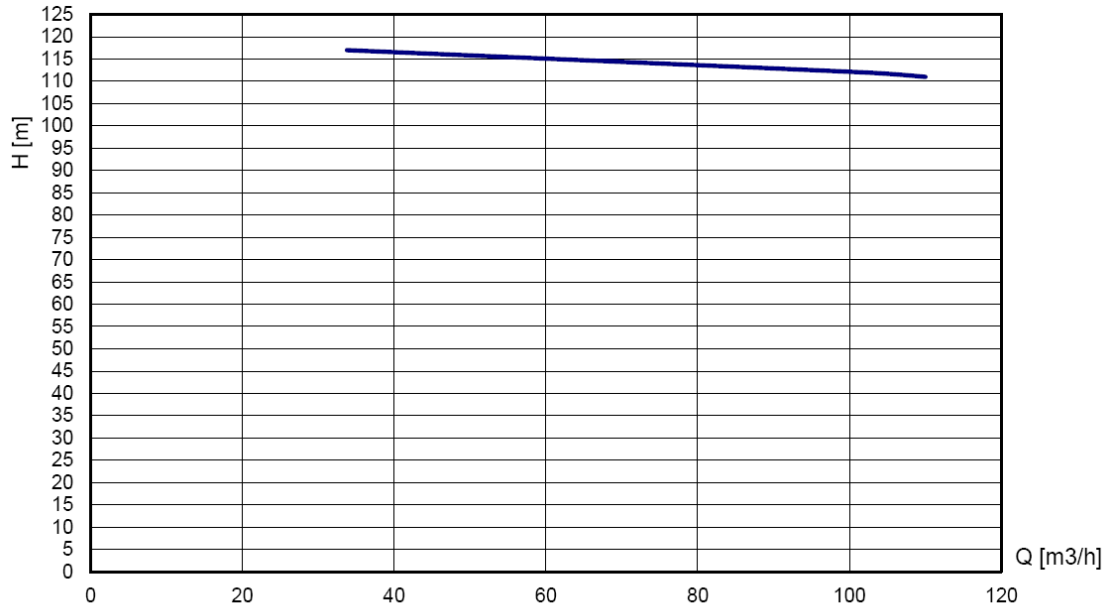
Electric pumps in canopy
- Extremely low noise level
- Maximum safety while running
- Better resistant to vandalism
- More space for your branding
- Optimal weather protection
- Minimal ageing, therefore stable in value

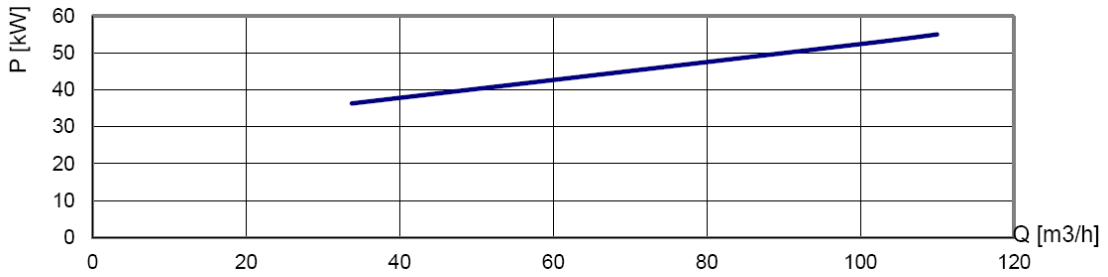
Complete package designed & built by BBA Pumps
- Complete in-house design & production
- Over 70 years of experience in the market
- Extensive testing facility in-house
- Contemporary & functional design
- Durable & eco-friendly materials
- Custom builds available

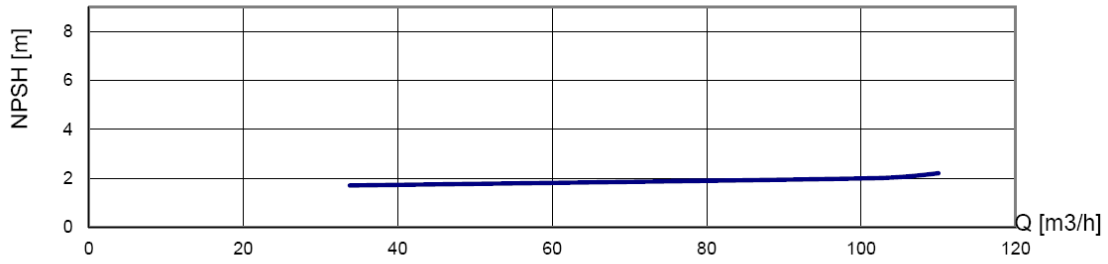
After sales service & product support
- Single supplier for parts, spares & accessories
- Dedicated customer helpdesk (24h service)
- Dedicated service department in-house
- Global parts distribution network
- Optional global on-site servicing
- Extensive training options available (technical & commercial),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

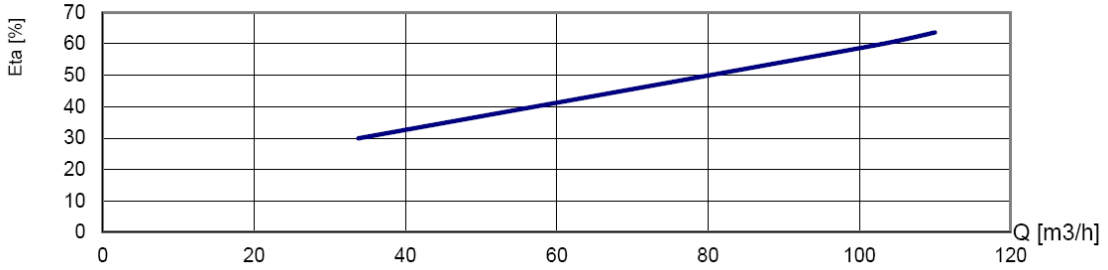
PERFORMANCE CURVES

Continuous duty according to ISO 9906

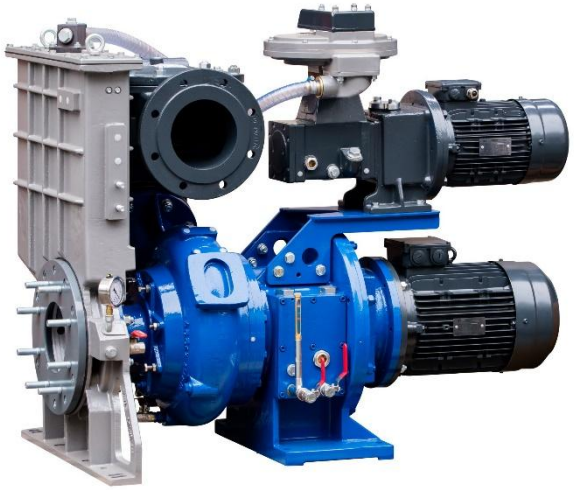








STANDARD TECHNICAL SPECIFICATIONS



BBA Pumps auto prime pump

Pump type	BA80H D275
Max. flow	110 m³/hour (484 US gpm)
Max. head	115 mwc (380 feet)
Impeller type	Enclosed impeller
Solids handling	25 mm (1 inch)
Pump casing	Cast iron GG25
Impeller	Stainless steel 316
Wear ring	Cast iron GG25
Pump shaft	Stainless steel 304
Shaft seal	Mechanical seal
Seal faces	Tung/Sic
Seal rubbers	Viton

BBA Pumps priming system

Pump type	MP50 diaphragm pump
Air handling capacity	50 m³/h (30 cfm)
Max. vacuum	8.5 m (25 Hg)
Drive	Electric motor 2.2 kW – 400V
Start/stop	Fully automatic
Float box	Aluminium
Non return valve	Cast iron GG25
Check valve disc	Buna-N

Electric motor

Motor type	HMC3 250M-2
Power kW (hp)	55 kW
Rated Voltage	400/690V 50Hz
Current (I nom.)	96 Amp
2-pole	2975 RPM
Efficiency	94.4%
Protection class	IP55
Thermal protection	PTC
Standard	IEC 60034

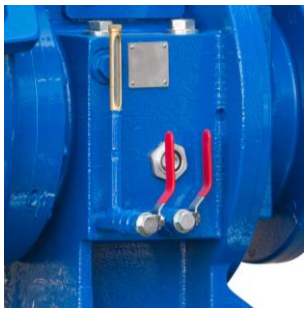
BBA Pumps control panel

Touchscreen	HMI Human-Machine Interface
Frequency drive	For variable speed and energy saving
Automatic level control	Start/stop with two float switches
PID control	Level sensor is optional
Languages	Dutch | German | English
Configuration portal	For managing specific functions for users
Actual information	Hour counter, malfunctions, required kWh

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

Enclosed impeller
Stainless steel 316 enclosed impeller with a 25 mm free passage.

Remote control
The remote control is optional available. It is designed to control mobile pumps with variable speed engine. A safety lamp on the roof of the canopy is part of the delivery.



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

Priming system
Diaphragm pump, air-cooled, water-resistant and oil-spillage free.
Air capacity of 50 m^3/h.

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.

User Manual
Extensive user manual with important information concerning the pump unit, pump installation and safety warnings. Available in several languages.

Pictures used are for illustration purposes only.