BA180E Electrically Driven
Sewage and Dewatering Pump
Max. 715 m³/hour, Max. 44 mwc

Pump specifications:

Type	BA180E D328
Max. flow	715 m³/hour (3150 US gpm)
Max. pressure	44 mwc (145 ft.)
Solids handling	80 mm (3,15")
Impeller type	Semi-open impeller
Priming system	BBA MP100
Motor	75 kW | 4 pole | 400/690V
Motor control	Frequency drive
Display	HMI touchscreen
Canopy	M12-29
Suction x discharge	DN250 (10") x DN200 (8")
Weight (net)	2800 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”.

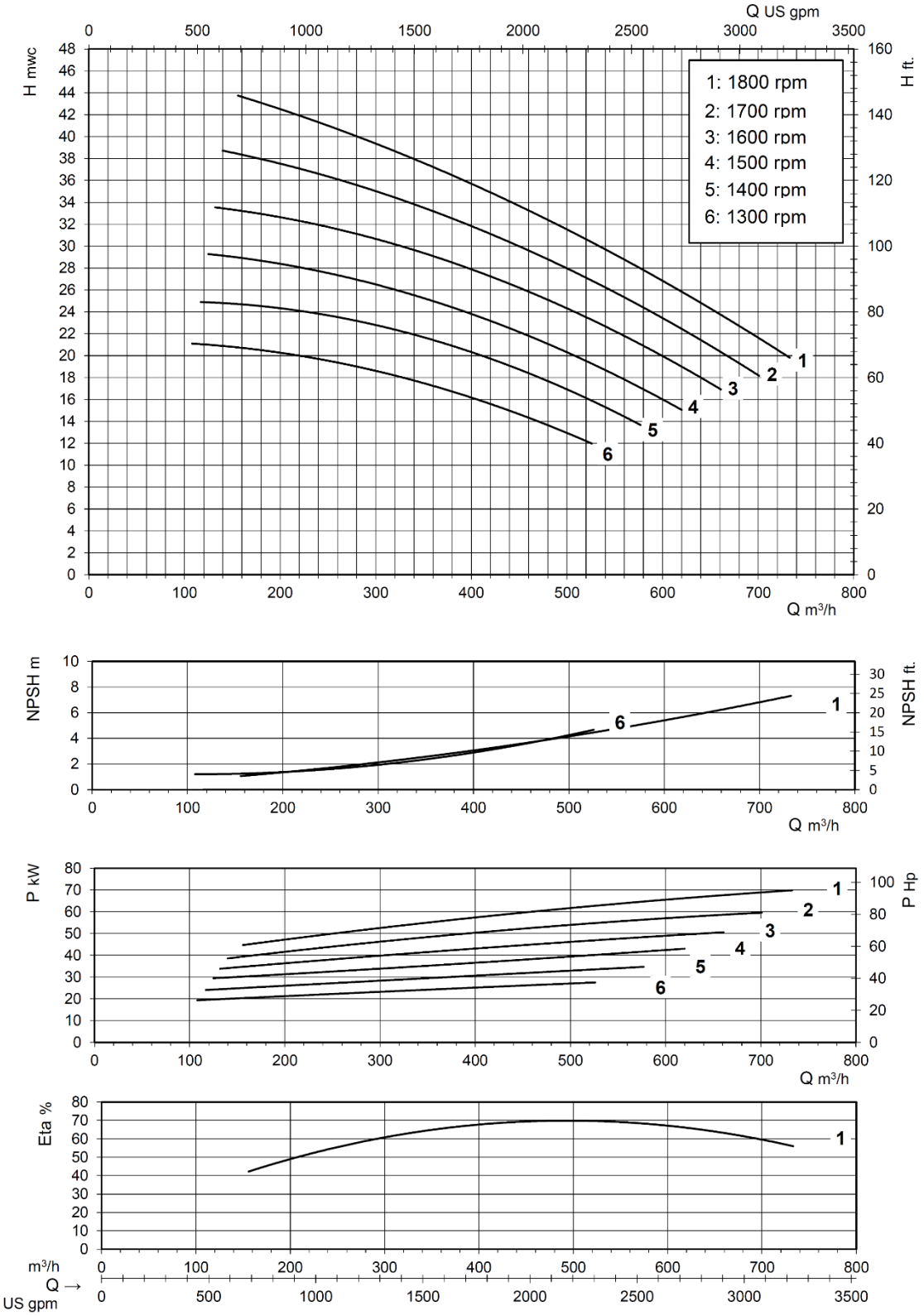
Electric pumps in canopy
- Extremely low noise level
- Maximum safety while running
- Better resistant to vandalism
- More space for your branding
- Optimal weather protection
- Minimal ageing, therefore stable in value

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 help-desk (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



PUMPS FROM HOLLAND

STANDARD TECHNICAL SPECIFICATIONS

BBA Pumps auto prime pump

Pump type	BA180E D328
Max. flow	715 m³/hour (3150 US gpm)
Max. head	44 mwc (145 feet)
Impeller type	Semi-open impeller
Solids handling	80 mm (3.15 inch)
Pump casing	Cast iron GG25
Impeller	Chrome Moly 42CrMo4
Self-cleaning wear plate	Chrome Moly 42CrMo4 (cutter slots)
Pump shaft	42CrMo4 heat treated
Shaft seal	Mechanical seal
Seal faces	Tung/Sic
Seal rubbers	Viton

BBA Pumps priming system

Pump type	MP100 Diaphragm pump
Air handling capacity	100 m³/h (59 cfm)
Max. vacuum	8.5 m (25 inHg)
Drive	Electric motor 3kW – 400V motor
Start/stop	Fully automatic
Float box	Aluminium
Non return valve	Cast iron GG25
Check valve disc	Buna-N

Electric motor

Motor brand	Hoyer
Motor type	HMC 280S-4
Power kW (hp)	75 kW
Rated Voltage	400/690V 50Hz
Current (I nom.)	124 Amp
4-pole	1480 RPM
Efficiency	95 %
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.

Semi-open impeller
Corrosion and abrasion resistant Chrome Moly (42CrMo4) semi-open impeller.

Large inspection covers
Easy access to float box, impeller and non-return valve.

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

Double vacuum pump
Diaphragm pump, air-cooled, water resistant and oil-spillage free. Air capacity of 100 m^3 per hour.

Level sensor is optional
The level sensor, in combination with the built-in PID control, ensures accurate level control and reduces energy consumption.

4 Year limited warranty
The BBA Pumps limited warranty covers years or operating hours whichever occurs first. For more details, please consult the warranty book.

Pictures used are for illustration purposes only.