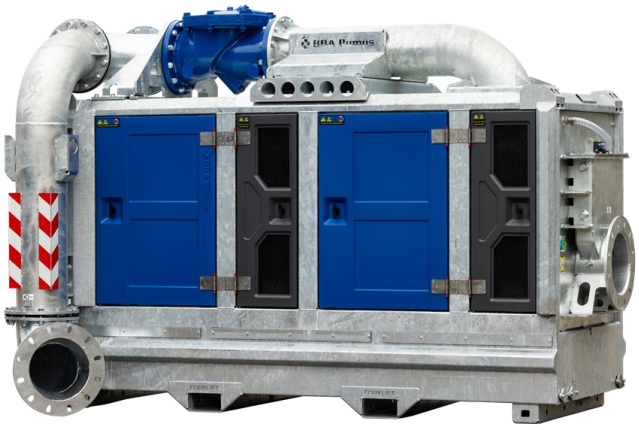
BA300E Electrically Driven
Dewatering and Sewage Pump
Max. 1250 m³/hour, Max. 22 mwc



Pump specifications:

Type	BA300E D355
Max. flow	1250 m³/hour (5500 US gpm)
Max. pressure	22 mwc (73 ft.)
Solids handling	120 x 105 mm
Impeller type	Semi-open impeller
Priming system	BBA MP100
Motor	75 kW | 4 pole | 440/690V
Motor control	Frequency drive
Display	HMI touchscreen
Canopy	M12-29
Connections	DN300 (12")
Dry weight	Approx. 3750 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”.

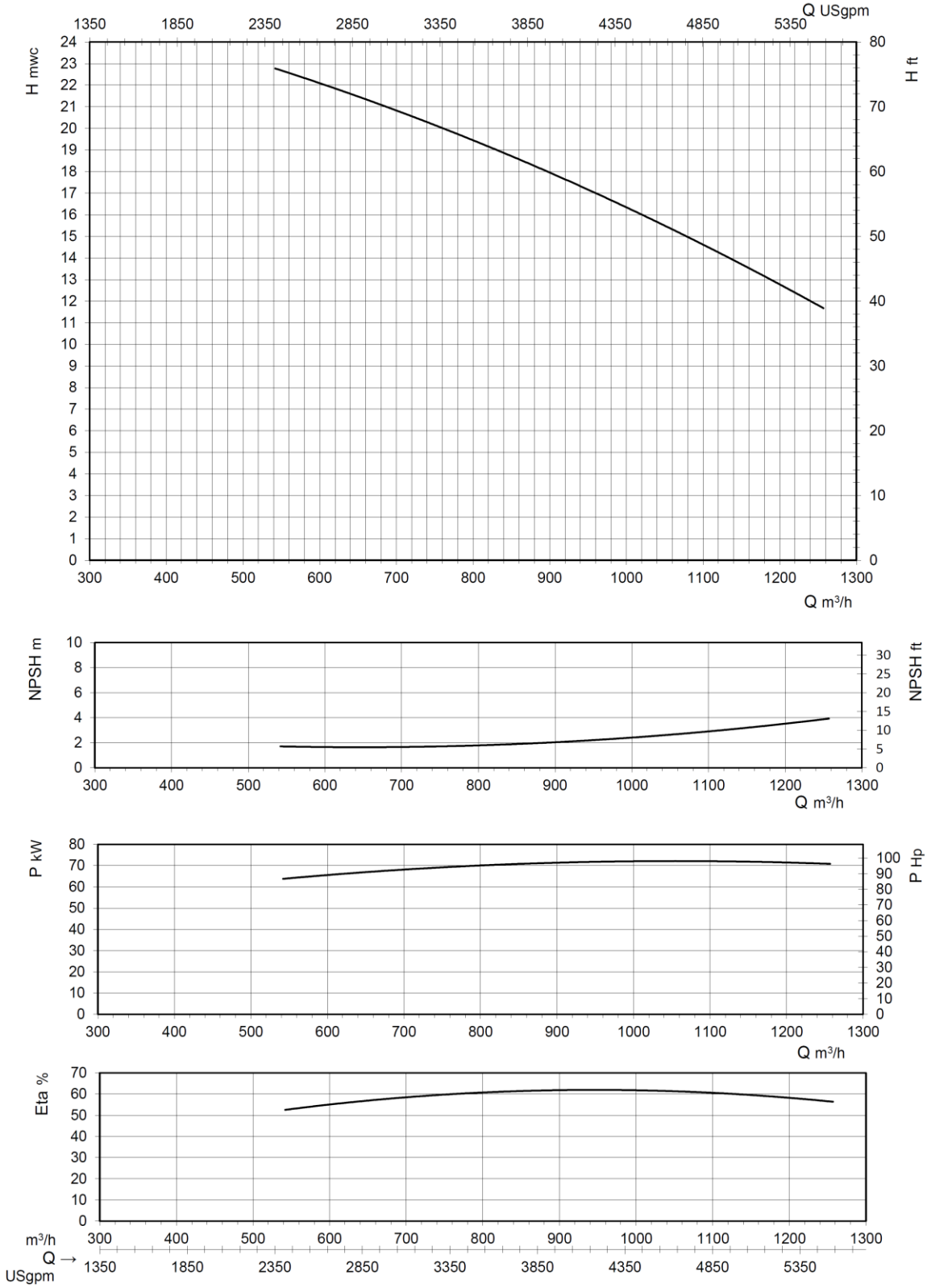
Electric pumps in canopy
- Extremely low noise level
- Maximum safety while running
- Better resistant to vandalism
- More space for your branding
- Optimal weather protection
- Minimal ageing, therefore stable in value

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 (1450 RPM)

Continuous duty according to ISO 9906



STANDARD TECHNICAL SPECIFICATIONS

BBA auto prime pump

Pump type	BA300E D355
Max. flow	1250 m³/hour (5500 US gpm)
Max. head	22 mwc (73 feet)
Impeller type	Semi-open impeller
Solids handling	120 x 105 mm (4,7" x 4,1")
Pump casing	Cast iron GG25
Impeller	Ductile iron GGG70
Wear plate	Cast iron GG25
Pump shaft	42CrV6
Shaft seal	Mechanical seal
Seal faces	Tung/Tung
O-ring	Viton

BBA 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
Float box	Hot dip galvanised steel
Non return valve	Cast iron GG25
Check valve disc	Buna-N

Electric motor

Motor brand	Hoyer
Motor type	HMC 280S-4
Power kW	75 kW
Rated Voltage	400/690V 50Hz
Current (I nom.)	132 Amp
4-pole	1490 rpm
Efficiency	96 %
Protection class	IP55
Thermal protection	PTC
Standard	IEC 60034

BBA Pumps control panel

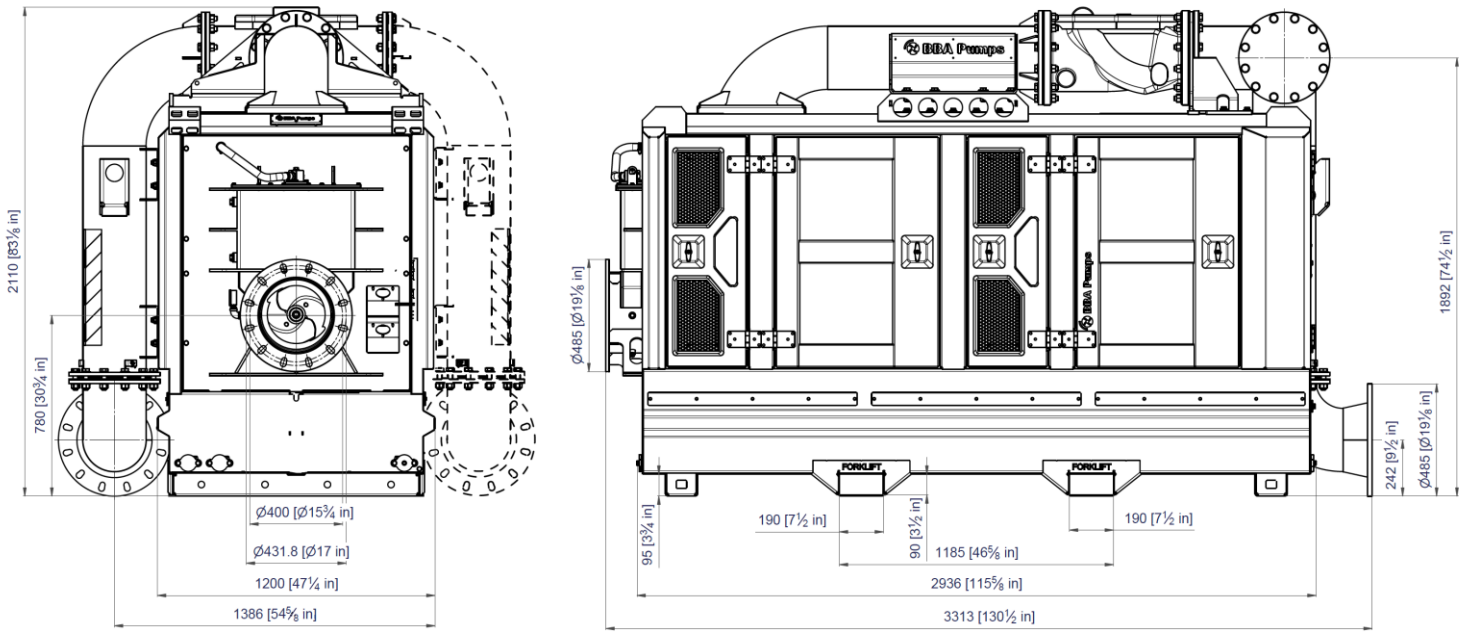
Touchscreen	HMI Human-Machine Interface
Frequency drive	For variable speed and energy saving
Automatic level control	Start/stop with two float switches
PID control	Level sensor is optional
Languages	Dutch | German | English
Configuration portal	For managing specific functions for users
Actual information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

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

CANOPY M12-29

BBA sound attenuating canopy

Canopy type	M12-29
Dimensions L x W x H	3313 x 1200 x 2125 mm
Dimensions L x W x H	130 x 47.2 x 83.5 inch
Discharge connection	12" DIN / ANSI flange with PCD K400 / K431,8 **rotatable** (12 holes)
Suction connection	12" DIN / ANSI flange with PCD K400 / K431,8 (12 holes)
Basic frame	Hot dip galvanised steel
Doors	8 composite easy-access doors (lockable)
Forklift pockets	Fitted with 2 forklift pockets
Lifting point	Fitted with 2 lifting points
Motor control	Frequency drive integrated in the canopy behind lockable door
Documentation box	BBA user manual and warranty book



Actual dimensions (in mm and inches) may vary depending on selected quick couplings.

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

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.

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.