



Pump specifications:

Type..... BA150E D285
 Max. flow 430 m³/hour (1890 US GPM)
 Max. pressure 24 mwc (79 ft.)
 Connections..... DN 150 (6")
 Solids handling 80 mm (3,15")
 Impeller type Semi-open impeller
 Priming system BBA MP50
 Motor..... 18.5 kW – 4 Pole
 Voltage 400/690V
 Canopy L10-23
 Weight (net) 1350 kg (2970 lb.)

FEATURES

BA auto prime pump

The BA range of pumps have 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 IE2 electric motors, the pumps offer maximum performance at minimal cost, fully in-sync with the company philosophy of "Lowest cost of ownership".

Sustainability

- High efficiency pumps and motors
- Corrosion free hot dip galvanised frame or canopy
- Corrosion free composite door panels
- 100% Oil-spill free priming system
- Lean manufacturing philosophy

Complete package designed & built by BBA Pumps

- Complete in-house design & production
- Over 60 years of experience in the market
- Extensive testing facility in-house
- Contemporary & functional design
- Durable & eco-friendly materials
- Custom builds available

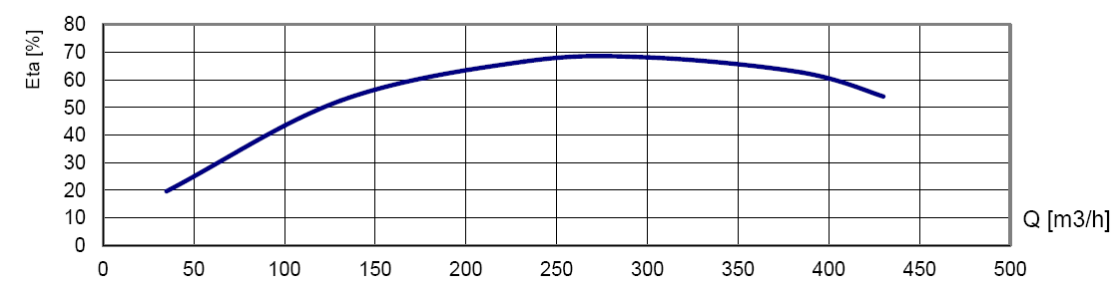
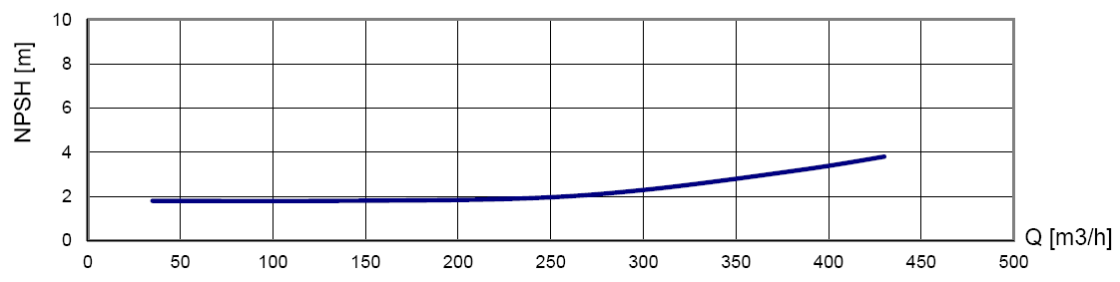
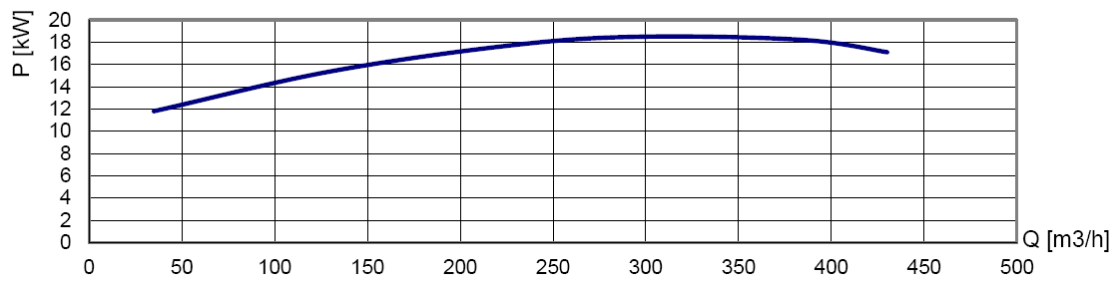
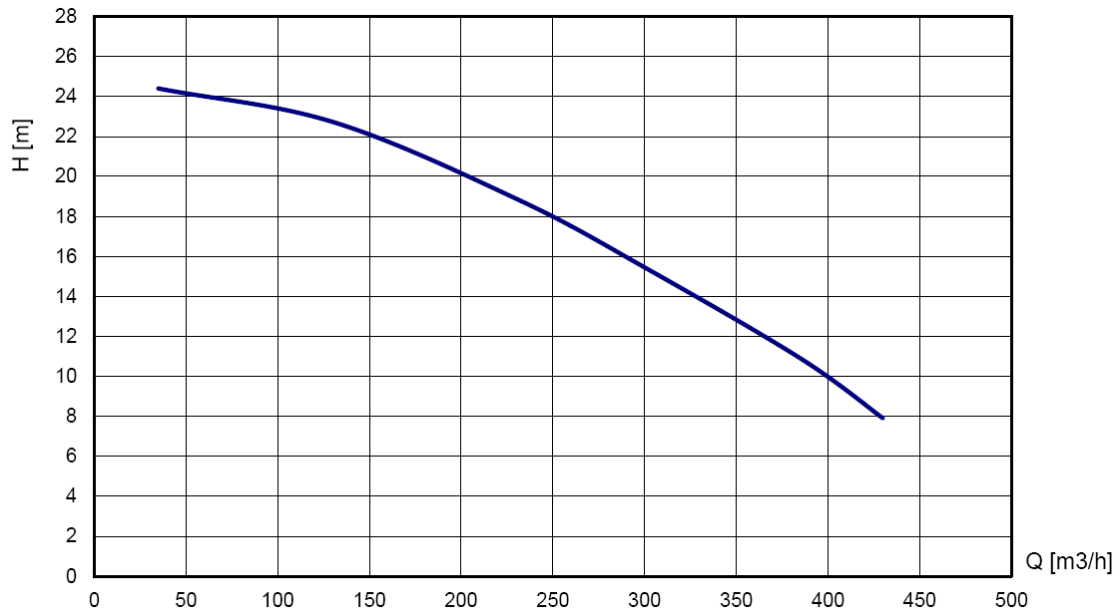
After sales service & product support

- 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 (1475 RPM)

Continuous duty according ISO 9906



STANDARD TECHNICAL SPECIFICATIONS

BBA auto prime pump

Pump type.....	BA150E D285
Max. flow.....	430 m ³ /hour (1890 US GPM)
Max. head.....	24 mwc (79 feet)
Impeller type.....	Semi-open impeller
Solids handling.....	80 mm (3.15 inch)
Pump casing.....	Cast iron GG20
Impeller.....	Chrome Moly 42CrM04
Wear plate.....	Chrome Moly 42CrM04
Pump shaft.....	C45
Shaft seal.....	Mechanical seal 60 mm (2.36 inch)
Seal faces.....	Tung/Sic
Seal rubbers.....	Viton



BBA priming system

Pump type.....	BBA MP50 Diaphragm pump
Air handling capacity.....	50 m ³ /h (30 cfm)
Max. vacuum.....	8.5 m (29 Hg)
Drive.....	Electric motor 1.5kW - 400V
Start/stop.....	Fully automatic
Float box.....	St. 37 hot dip galvanised
Non return valve.....	Cast iron GG25
Check valve disc.....	Buna-N

Electric motor

Motor brand.....	Hoyer
Motor type.....	HMC2 180M-4
Power kW (Hp).....	18.5 kW (25 Hp)
Rated Voltage.....	400/690V 50Hz
Current (I nom.).....	34 Amp
4-pole.....	1470 RPM
Efficiency.....	91.2%
IE2.....	EC Directive 2005/32



BBA control panel

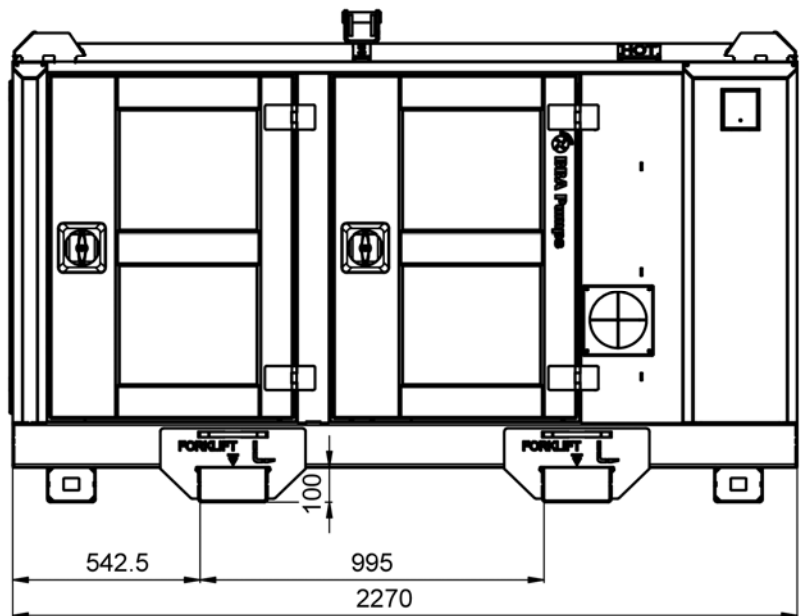
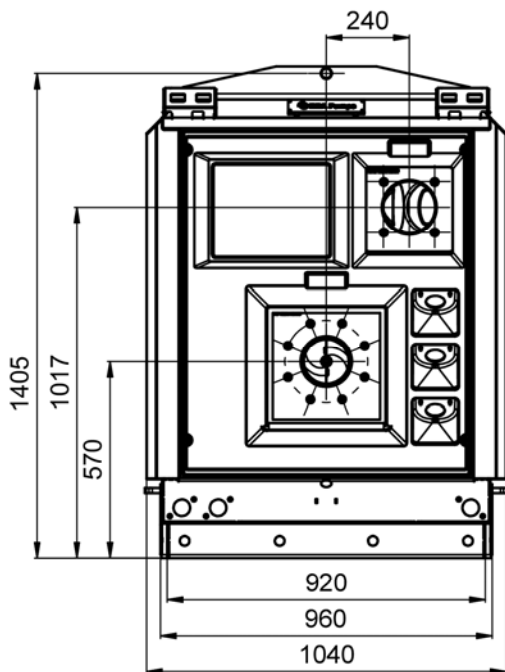
- Auto start/stop system
- Two float switches included (10m cable)
- Plug for pressure transmitter
- Switch Manual-0-Auto
- Hour counter
- Plug 5 pin - 63 Amp.
- Soft starter package



CANOPY L10-23

BBA sound attenuating canopy

- Canopy type..... L10-23
- Dimensions L x W x H 2270 x 1040 x 1405 mm
- Dimensions L x W x H 89.3 x 41.0 x 55.3 inch
- Sound power level N/A
- Basic frame Hot dip galvanised
- Panels and doors Composite ABS/ASA
- Doors 4 Easy-access doors (lockable)
- Forklift pockets Fitted with 2 forklift pockets
- Lifting point Fitted with single lifting point
- Stackable Pump unit is stackable
- Connections Please consult "auxiliary items" in overleaf
- Additional Emergency stop switch
- Documentation box BBA user manual & BBA warranty book



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



Semi-open impeller
Corrosion and abrasion resistant Chrome Moly (42CrM04) 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.



Priming system
Diaphragm pump, air-cooled, water-resistant and oil-spillage free. Air capacity of 50 m³ 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 BA series
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.


AUXILIARY ITEMS
Discharge connections

Art.nr.		Ø inch	Ø mm	Connection	
05080873	30°	6	150	Flange K240	
1516604209	30°	8	200	Flange K295	
05080876	30° female (cup)	6	150	system B	
05080881	30° male (ball/lever)	6	150	system B	
05080877	30° male (ball)	6	150	system C	
05080882	30° female (cup/lever)	6	150	system C	


Suction connections

Art.nr.		Ø inch	Ø mm	Connection	
05080884	30°	6	150	Flange K240	
1516604208	30°	8	200	Flange K295	
05080889	30° female (cup)	6	150	System B	
05080890	30° male (ball/lever)	6	150	System B	
05080887	30° male (ball)	6	150	System C	
05080888	30° female (cup/lever)	6	150	System C	

Suction hose with strainer L=5 metre

Art.nr.	Ø inch	Ø mm	Connection	
07047054	6	150	Flange K240	
07047057	8	200	Flange K295	
07047007	6	150	System B male (ball/lever)	
07047037	6	150	System C female (cup/lever)	

Suction hose with strainer L=6 metre

Art.nr.	Ø inch	Ø mm	Connection	
07047055	6	150	Flange K240	
07047058	8	200	Flange K295	
07047008	6	150	System B male (ball/lever)	
07047038	6	150	System C female (cup/lever)	

Recommended suction pipe (maximum velocity = 4 m/sec)

M3/H	US gallons	FLOW (L/sec)	4" 100	5" 125	6" 150	8" 200	10" 250	12" 300
252	1110	70	8.91	5.70	3.96	2.23	1.43	0.99
288	1268	80	10.19	6.52	4.53	2.55	1.63	1.13
324	1427	90	11.46	7.33	5.09	2.86	1.83	1.27
360	1585	100	12.73	8.15	5.66	3.18	2.04	1.41
403	1775	112	14.26	9.13	6.34	3.57	2.28	1.58
432	1902	120	15.28	9.78	6.79	3.82	2.44	1.70
468	2061	130	16.55	10.59	7.36	4.14	2.65	1.84
504	2219	140	17.83	11.41	7.92	4.46	2.85	1.98