

**BA100K Diesel Driven
Dewatering and Sewage Pump
Max. 750 US GPM, Max. 56 ft. / 24 PSI**



Pump specifications:

Type.....	BA100K D193
Max. flow	750 US GPM (170 m ³ /hour)
Max. pressure	56 ft. / 24 PSI (17 mwc)
Solids handling	3,23" (82 mm)
Impeller type	Channel impeller
Priming system	BBA MP50
Engine	Hatz 1D90Z DriveOn®
Canopy	M10-18
Connections.....	4" or 6"
Weight (net).....	3190 lb. (1450 kg)
Sound level.....	Approx. 54 dB(A) at 33 ft.

FEATURES

BA auto prime pump

The BA range of pumps has been designed with a clear focus on reliability, efficiency and durability. Featuring a fully automatic 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 demanding construction market.

World-class performance

The BA range is built to be deployed on the most demanding 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".

Sustainability

- High efficiency pumps minimising fuel consumption
- Emissions in accordance with US EPA regulations
- Exhaust system prepared for installation **DPF/DOC**
- Corrosion free hot dip galvanised canopy
- Corrosion free composite door panels
- 100% Oil-spill free priming system
- Fully self contained unit featuring a double wall fuel containment tank and fluid containment system eliminating fuel/oil spills at all times

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

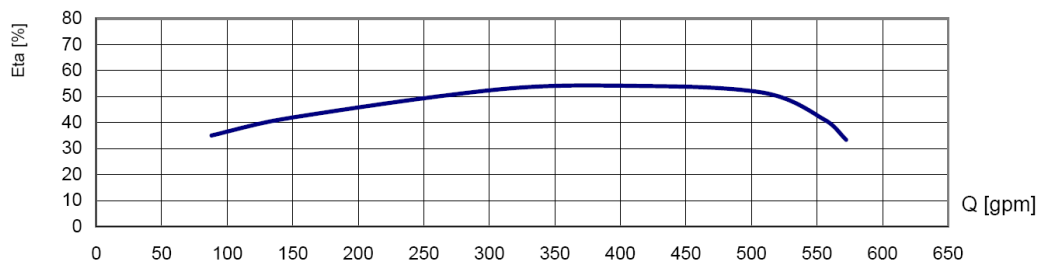
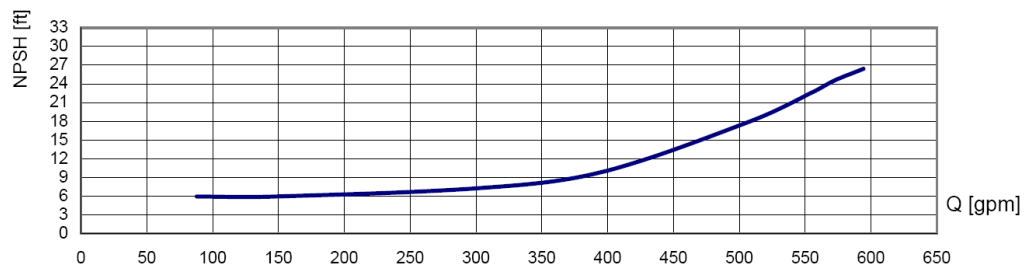
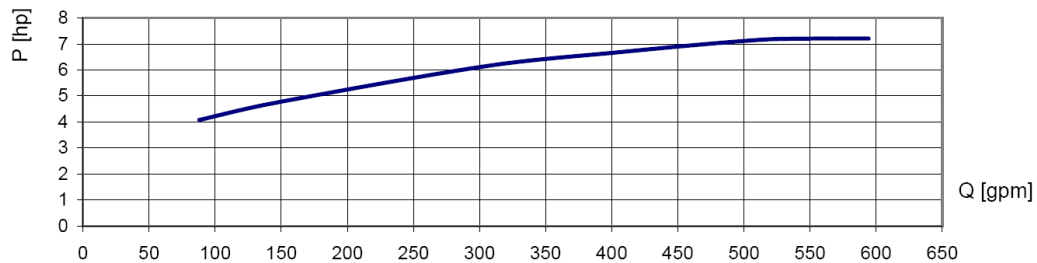
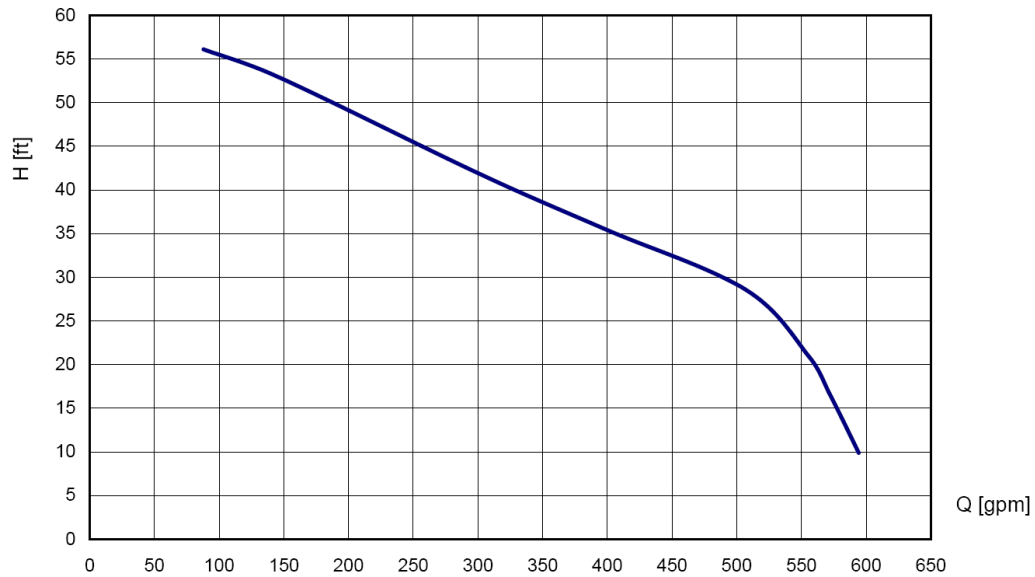
After sales service & product support

- 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 at 1500 rpm.

(measured with 4" connections)



STANDARD TECHNICAL SPECIFICATIONS

BBA auto prime pump

Pump type.....	BA100K D193
Max. flow (6" connections)...	750 US GPM (170 m ³ /hour)
Max. flow (4" connections)...	594 US GPM (135 m ³ /hour)
Max. head.....	56 feet / 24 PSI (17 mwc)
Impeller type	Channel impeller
Solids handling	3.23 inch (82 mm)
Pump casing.....	Cast iron GG20
Impeller	Ductile iron GGG40
Pump shaft.....	C45
Shaft sealing.....	Mechanical seal tung/tung/viton



BBA priming system

Pump type.....	BBA MP50 Diaphragm pump
Air handling capacity	30 CFM (50 m ³ /h)
Max. vacuum	29 inHg (8.5 m)
Drive	Toothed belt (continuous drive)
Float box	Aluminium
Non return valve	Cast iron GG25

Engine

Engine brand	Hatz
Engine type.....	1D90Z electric start
Flywheel power (ICFN).....	7.9 Hp (5.8 kW)
Max. engine speed	1500 RPM
Feature	DriveOn®
Oil change interval.....	1500 running hours
Fuel consumption	233 g/kWh
Displacement.....	44 Cubic inch
Number of cylinders.....	1
Cooling system	Air cooled
Exhaust emission US	EPA



LOFA 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

- Composite fuel tank 59 US Gallon (220 L.) net
- Fuel tank cap Ø 4 inch (100 mm)
- Mechanical fuel injection system

Electrical system & safety features

- Nominal voltage 12 Volt
- Premium quality battery
- Low oil pressure shut down

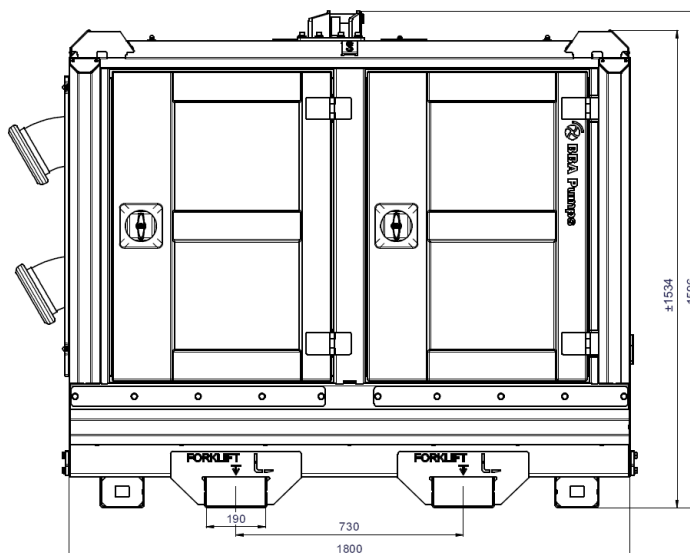
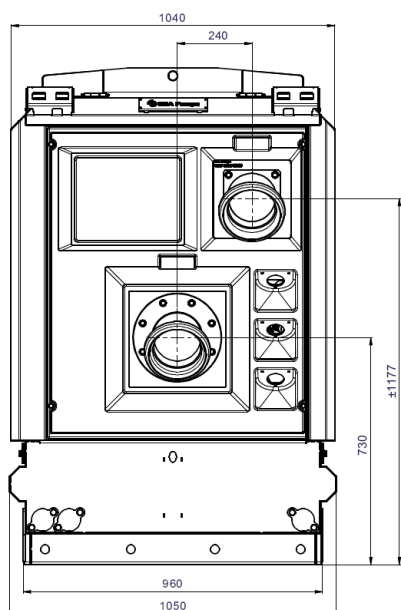
CANOPY M10-18

BBA super silent canopy

Canopy type.....	M10-18
Dimensions L x W x H	71 x 41.3 x 63 inch
Basic frame.....	Hot dip galvanised
Roof panels (hinged)	Steel hot dip galvanised
Doors	4 easy-access doors (lockable)
Grill and door panels	Composite ABS/ASA
Fuel tank	PE net 58 US Gallon (220 ltr)
Fuel tank autonomy	135 hours (at 1500 rpm BEP)
Fuel tank cap	4 inch (100 mm)
Forklift pockets	Fitted with 2 forklift pockets
Lifting point	Fitted with single lifting point
Stackable	Canopy is stackable
Connections	Please consult "auxiliary items"
Oil drain pump	Please consult "auxiliary items"
Exhaust system	Fully integrated in the canopy
Spark arrestor	Lloyd & Veritas approved
Documentation box.....	BBA user manual and warranty book

BBA E-lift® system

The M10-18 canopy has been fitted with the BBA E-lift® system. By removing the roof panel, the pump and diesel engine as a whole can be removed from the canopy effortlessly allowing easy preventative maintenance on the pump and diesel engine. In addition, as the canopy is not fitted with padding or insulation materials, it can be cleaned quickly using a pressure washer.



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

**BA100K Diesel Driven
Dewatering and Sewage Pump**
Max. 750 US GPM, Max. 56 ft. / 24 PSI



Channel impeller
GGG40 channel impeller,
ductile iron, solids handling
3,32" (82 mm).



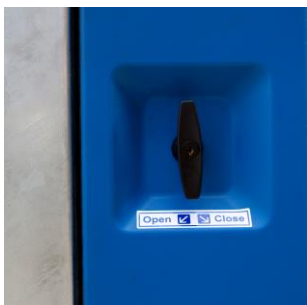
Hatz DriveOn®
-Large engine oil sump
-Service interval 1500 hours
-25% saving on engine oil
-Ergonomic design



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



RF System
The exhaust system is
completed with a spark
arrestor and prepared for
installation of DPF/DOC.



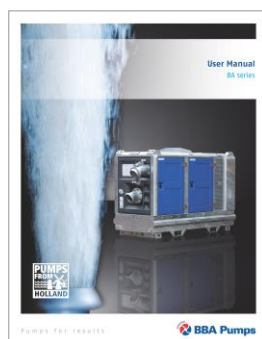
Safety
Extremely durable and
lockable T-locks offering
perfect grip.



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



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	
05080871	30° flange	4	100	ANSI	
05080878	30° male (ball/lever)	4	100	System B	
05080879	30° female (cup)	4	100	System B	
05080873	30° flange	6	150	ANSI	
05080881	30° male (ball/lever)	6	150	System B	
05080876	30° female (cup)	6	150	System B	

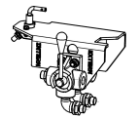
Suction connections

Art.nr.		Ø inch	Ø mm	Connection	
05080892	30° flange	4	100	ANSI	
05080886	30° male (ball/lever)	4	100	System B	
05080885	30° female (cup)	4	150	System B	
05080884	30° flange	6	150	ANSI	
05080890	30° male (ball/lever)	6	150	System B	
05080889	30° female (cup)	6	150	System B	

Environmental care

9306000110	Diesel Particulate Filter & Oxidation Catalyst <ul style="list-style-type: none"> - Fully integrated in the exhaust module - Reduction of Particulate Matter, PM > 95% - Reduction of Hydrocarbon, HC > 50% maximum 65% - Reduction of Carbon Monoxide, CO > 70% maximum 90% - VERT® Certified 	
------------	---	---

M10-23 Kit

1707214200	US Kit <ul style="list-style-type: none"> - External fuel tank connections - Battery isolator switch - BBA mounting bracket 	
------------	---	---

Recommended suction pipe ID vs flow rates by pipe dimension (maximum velocity = 4 m/sec)

m³/h	US gallons	FLOW (L/sec)	4" 100	5" 125	6" 150	8" 200
72	317	20	2.55	1.63	1.13	0.64
90	396.3	25	3.18	2.04	1.41	0.80
108	475.5	30	3.82	2.44	1.70	0.95
144	634	40	5.09	3.26	2.26	1.27
180	792.5	50	6.37	4.07	2.83	1.59
216	951	60	7.64	4.89	3.40	1.91

BA100E Diesel Driven
Dewatering and Sewage Pump
Max. 1255 US GPM, Max. 137 ft. / 59 PSI



Pump specifications:

Type.....	BA100E D265
Max. flow	1255 US GPM (285 m3/hour)
Max. pressure	137 ft./ 59 PSI (41 mwc)
Connections.....	4" or 6"
Solids handling	3,15" (80 mm)
Impeller type	Open impeller
Priming system	BBA MP50
Engine	Hatz 3H50TIC
Emission standard	Tier 4 final
Canopy	M10-23X
Sound level.....	64 dB(A) at 33 ft.
Dry weight.....	3465 lbs. (1575 kg)

FEATURES

BA auto prime pump

The BA range of pumps has been designed with a clear focus on reliability, efficiency and durability. Featuring a fully automatic 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 demanding construction market.

World-class performance

The BA range is built to be deployed on the most demanding 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".

Sustainability

- High efficiency pumps minimising fuel consumption
- Corrosion free hot dip galvanized canopy
- Corrosion free composite door panels and powder coated plating
- 100% Oil-spill free priming system
- Fully self contained unit featuring a double wall fuel containment tank and fluid containment system eliminating fuel/oil spills at all times

Complete package designed & built by BBA Pumps

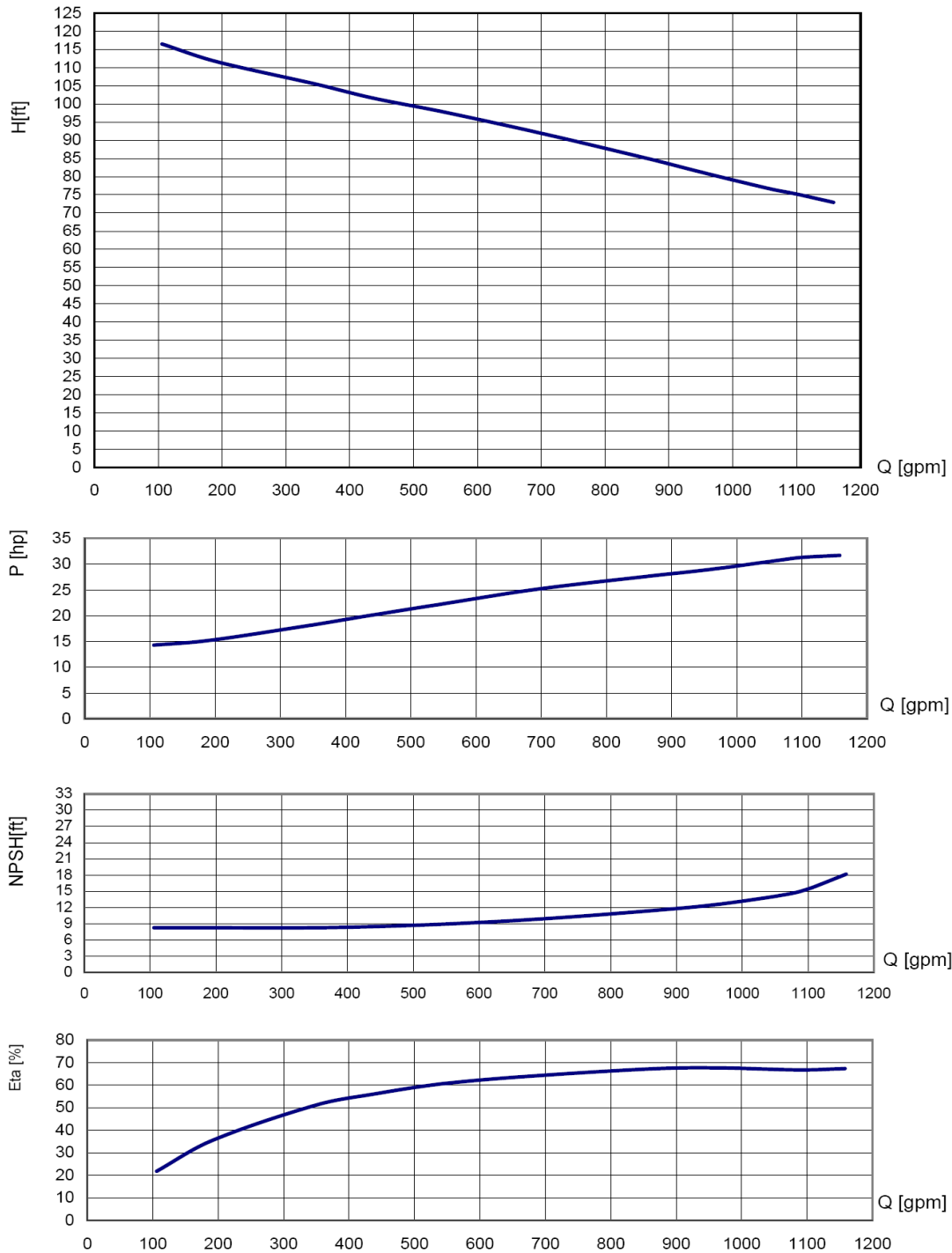
- Complete in-house design & production
- Over 60 years of experience in the market
- Extensive testing facility in-house
- Contemporary & functional design
- Durable & eco-friendly materials
- Custom builds available

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 (1800 RPM)

Continuous duty according ISO 9906



STANDARD TECHNICAL SPECIFICATIONS

BBA auto prime pump

Pump type.....	BA100E D265
Max. flow.....	1255 US GPM (285 m ³ /hour)
Max. head	137 feet / 59 PSI (41 mwc)
Impeller type	Open impeller
Solids handling	3.15 inch (80 mm)
Pump casing.....	Cast iron GG20
Impeller	Chrome Moly 42CrM04
Self-cleaning wear plate	Chrome Moly 42CrM04 (cutter slots)
Pump shaft.....	C45
Shaft seal.....	Mechanical seal
Seal faces	Tung/Sic
Seal rubbers	Viton



BBA priming system

Pump type.....	BBA MP50 Diaphragm pump
Air handling capacity	30 CFM(50 m ³ /h)
Max. vacuum	29 inHg (8.5 m)
Drive	Toothed belt (continuous drive)
Float box	Aluminium
Non return valve	Cast iron GG25
Check valve disc.....	Buna-N



Engine

Engine brand	Hatz
Engine type.....	3H50TIC
Max. power output	57 Hp (42 kW)
Variable speed.....	Max. 2100 RPM
Displacement.....	1.5 l
Number of cylinders.....	3
Aftertreatment.....	EGR, DOC
Exhaust emission US	EPA Tier 4 final

LOFA control panel

- Auto start/stop system
- Two float switches included (10m cable)
- Switch Manual-0-Auto
- Warning lights
- Safety features to protect the engine
- High resolution 4.3" LCD monitor



Fuel system

- PE fuel tank 80 US Gallon (300 L.) net
- Fuel tank cap Ø 4" (100 mm)
- Electronic fuel injection system

Electrical system & safety features

- Nominal voltage 12 Volt
- Premium quality battery
- Low oil pressure shut down

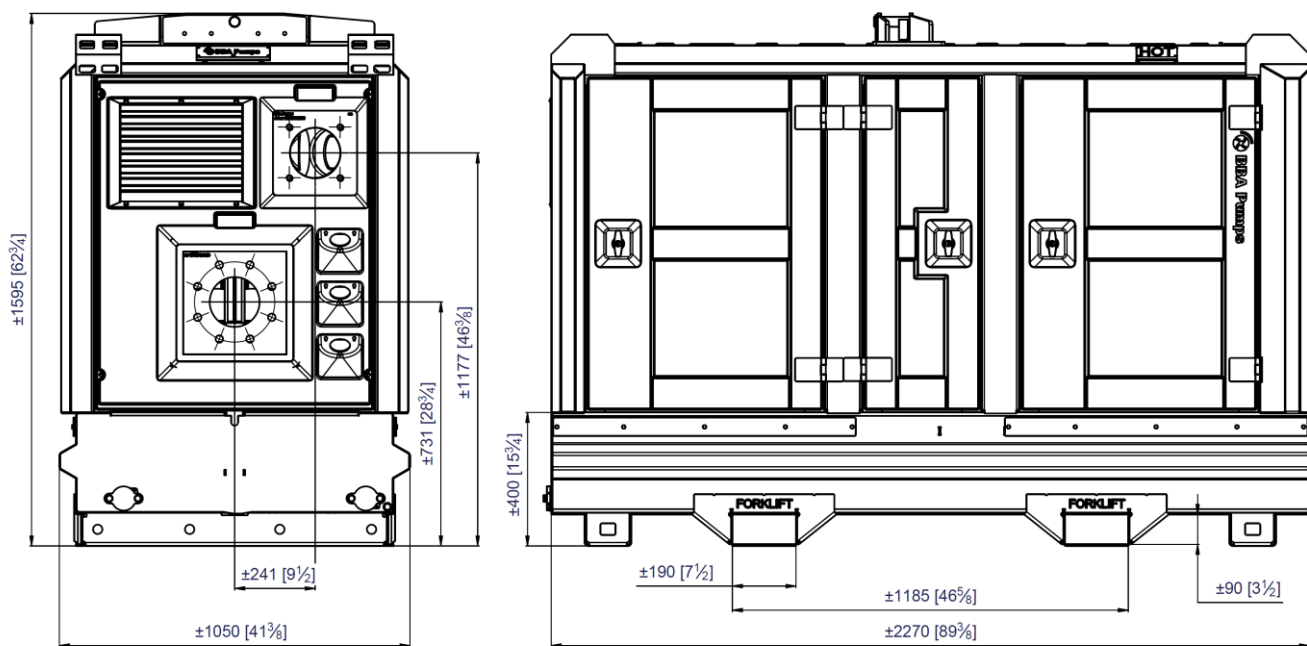
CANOPY M10-23X

BBA sound attenuating canopy

Canopy type.....	M10-23X
Dimensions L x W x H	89.4 x 41.3 x 62.8 inch
Dimensions L x W x H	2270 x 1050 x 1595 mm
Basic frame.....	Hot dip galvanized
Roof panel	Composite roof panel
Doors	5 lockable composite doors
Fuel tank	PE net 80 US Gallon (300 ltr)
Fuel tank cap	4 inch (100mm)
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 and battery isolator switch
Connections.....	Please consult "auxiliary items" in overleaf
Documentation box.....	BBA user manual and warranty book

BBA E-lift® system

The M10-23X canopy has been fitted with the BBA E-lift® system. By removing the roof panel, the pump and diesel engine as a whole can be removed from the canopy effortlessly allowing easy preventative maintenance on the pump and diesel engine. In addition, as the canopy is not fitted with padding or insulation materials, it can be cleaned quickly using a pressure washer.



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

**BA100E Diesel Driven
Dewatering and Sewage Pump**
Max. 1255 US GPM, Max. 137 ft. / 59 PSI



Open impeller
Corrosion and abrasion resistant Chrome Moly (42CrM04) alloy.



Priming system
Diaphragm pump, air-cooled, water-resistant and oil-spillage free. Air capacity of 30 CFM per hour.



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



Fuel tank
Double wall fuel containment, corrosion-free, 80 US Gallon, high-density polyethylene (HDPE) fuel tank, located in base of canopy.



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.



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

Pictures used are for illustration purposes only.

BA150E Trailer Pump Package

Dewatering and Sewage Pump
Max. 2200 US GPM, Max. 125 ft. / 54 PSI



Pump specifications:

Type.....	BA150E D285
Max. flow	2200 US GPM (500 m3/hour)
Max. pressure	125 ft. / 54 PSI (38 mwc)
Connections.....	6" (DN150)
Solids handling	3,15" (80 mm)
Impeller type	Open impeller
Priming system	BBA MP50
Engine	Hatz 4H50TIC
Emission standard	Tier 4 final
Trailer.....	Galvanized single axle trailer
Dry weight.....	3630 lbs. (1650 kg)

FEATURES

BA auto prime pump

The BA range of pumps has been designed with a clear focus on reliability, efficiency and durability. Featuring a fully automatic 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 demanding construction market.

World-class performance

The BA range is built to be deployed on the most demanding 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".

Sustainability

- High efficiency pumps minimising fuel consumption
- Emissions in accordance with EU stage & US EPA Tier regulations
- Corrosion free hot dip galvanized frames
- 100% Oil-spill free priming system

Portable pumping solutions

All of our pump trailers are specifically designed for BBA Pumps, which can be towed by most full-size pickup trucks. The BBA trailer allows contractors and rental companies the ability to safely transport our pumps from jobsite-to-jobsite.

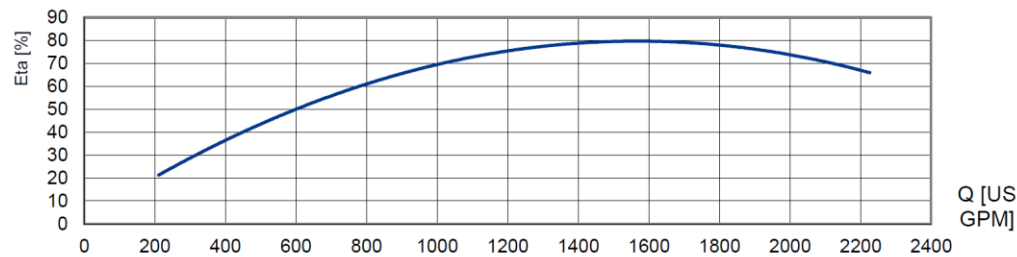
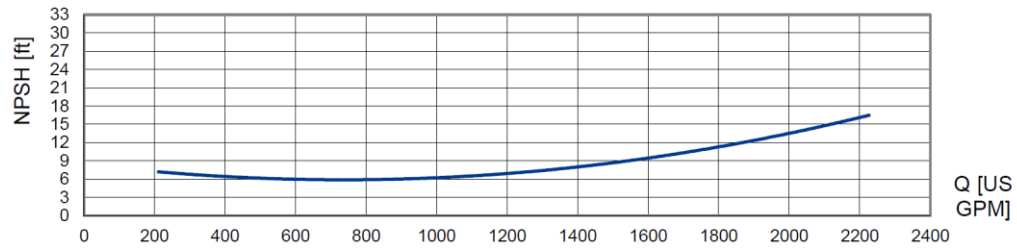
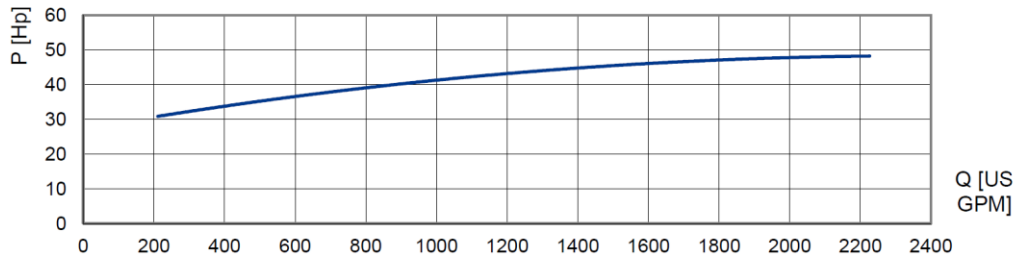
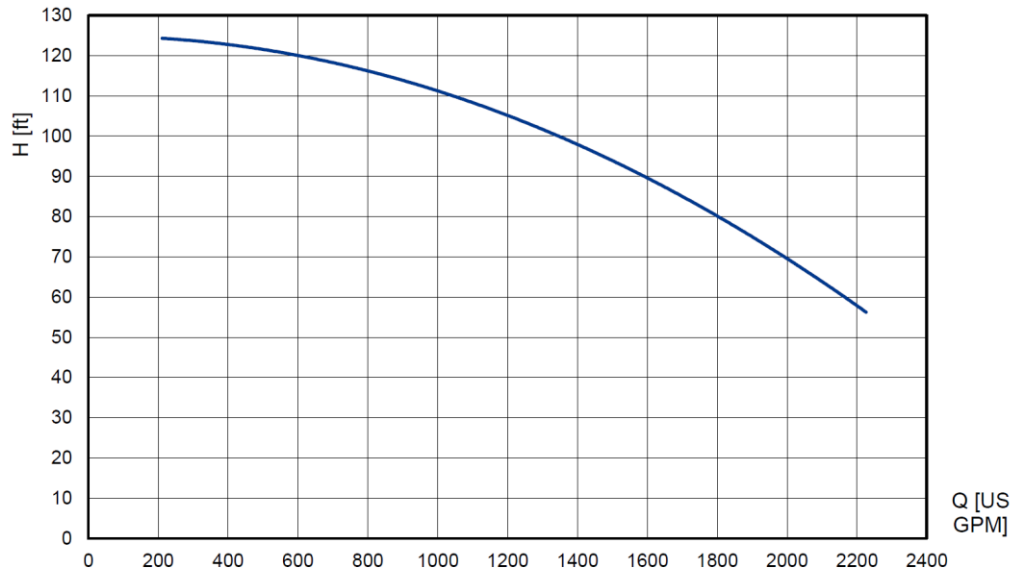
Trailer package

- Sits lower to the ground for pumping purposes
- Single torsion axle
- Corrosion resistant (galvanized)
- LED lights on the rear
- Adjustable pintle hitch
- Maintenance free design



PERFORMANCE CURVES (1900 RPM)

Continuous duty according ISO 9906



STANDARD TECHNICAL SPECIFICATIONS

BBA auto prime pump

Pump type.....	BA150E D285
Max. flow.....	2200 US GPM (500 m ³ /hour)
Max. head	125 feet / 54 PSI (38 mwc)
Impeller type	Open impeller
Solids handling	3.15 inch (80 mm)
Pump casing.....	Cast iron GG20
Impeller	Chrome Moly 42CrM04
Self-cleaning wear plate	Chrome Moly 42CrM04 (cutter slots)
Pump shaft.....	C45
Shaft seal.....	Mechanical seal
Seal faces	Tung/Sic
Seal rubbers	Viton

BBA priming system

Pump type.....	BBA MP50 Diaphragm pump
Air handling capacity	30 CFM (50 m ³ /h)
Max. vacuum	29 inHg (8.5 m)
Drive	Toothed belt (continuous drive)
Float box	Aluminium
Non return valve	Cast iron GG25
Check valve disc.....	Buna-N

Engine

Engine brand	Hatz
Engine type.....	4H50TIC
Max. power output	75 Hp (55.4 kW)
Variable engine speed	1300 - 1900 RPM
Fuel consumption	220 g/kWh
Displacement.....	1,952 cm ³
Number of cylinders.....	4
Aftertreatment.....	EGR, DOC
Exhaust emission US	Tier 4 Final

LOFA control panel

- Auto start/stop system
- Two float switches included (10m cable)
- Switch Manual-0-Auto
- Warning lights
- Safety features to protect the engine
- High resolution 4.3" LCD monitor

Fuel system

- PE fuel tank 80 US Gallon (300 L.) net
- Fuel tank cap Ø 4" (100 mm)
- Electronic fuel injection system



Electrical system & safety features

- Nominal voltage 12 Volt
- Premium quality battery
- Low oil pressure shut down

Dimensions L x W x H	136.9 x 61.5 x 79.5 inch
Dimensions L x W x H	3476 x 1564 x 2019 mm
Steel frame	Hot dip galvanized
Pintle hitch	Height adjustable 18 – 24 inch
Fuel tank	PE net 80 US Gallon (300 ltr)
Fuel tank autonomy	30 hours (at 1900 rpm BEP)
Fuel tank cap	Lockable
Lifting point	Fitted with single lifting point
Jacks	Front & rear jacks
Lighting	DOT approved LED lights
Axle	Single torsion axle (2 inch suspension)
Nose load	275 lbs with filled fuel tank
Connections	Please consult “auxiliary items” in overleaf

BA150E Trailer Pump Package

Dewatering and Sewage Pump
Max. 2200 US GPM, Max. 125 ft. / 54 PSI



Open impeller
Corrosion and abrasion resistant Chrome Moly (42CrM04) alloy.



Priming system
Diaphragm pump, air-cooled, water-resistant and oil-spillage free. Air capacity of 30 CFM per hour.



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



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



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.

**BA150E Diesel Driven
Dewatering and Sewage Pump
Max. 2200 US GPM, Max. 125 ft. / 54 PSI**



Pump specifications:

Type.....	BA150E D285
Max. flow	2200 US GPM (500 m3/hour)
Max. pressure	125 ft. / 54 PSI (38 mwc)
Connections.....	6" (DN150)
Solids handling	3,15" (80 mm)
Impeller type	Open impeller
Priming system	BBA MP50
Engine	Hatz 4H50TIC
Emission standard	Tier 4 final
Canopy	M10-23X
Sound level.....	64 dB(A) at 33 ft.
Dry weight.....	3630 lbs. (1650 kg)

FEATURES

BA auto prime pump

The BA range of pumps has been designed with a clear focus on reliability, efficiency and durability. Featuring a fully automatic 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 demanding construction market.

World-class performance

The BA range is built to be deployed on the most demanding 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".

Sustainability

- High efficiency pumps minimising fuel consumption
- Corrosion free hot dip galvanized canopy
- Corrosion free composite door panels and powder coated plating
- 100% Oil-spill free priming system
- Fully self contained unit featuring a double wall fuel containment tank and fluid containment system eliminating fuel/oil spills at all times

Complete package designed & built by BBA Pumps

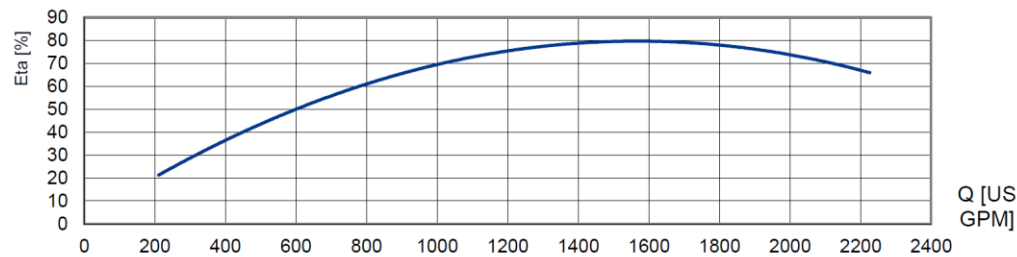
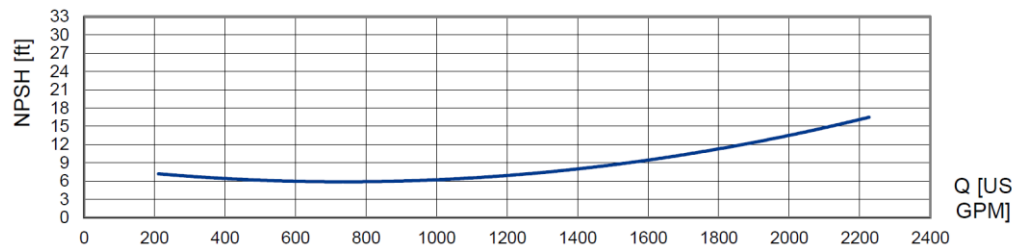
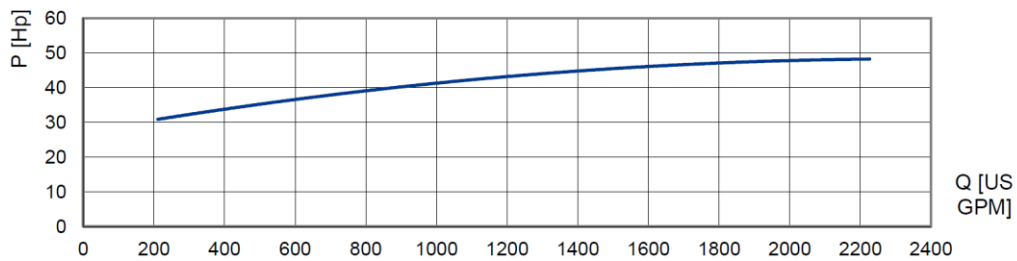
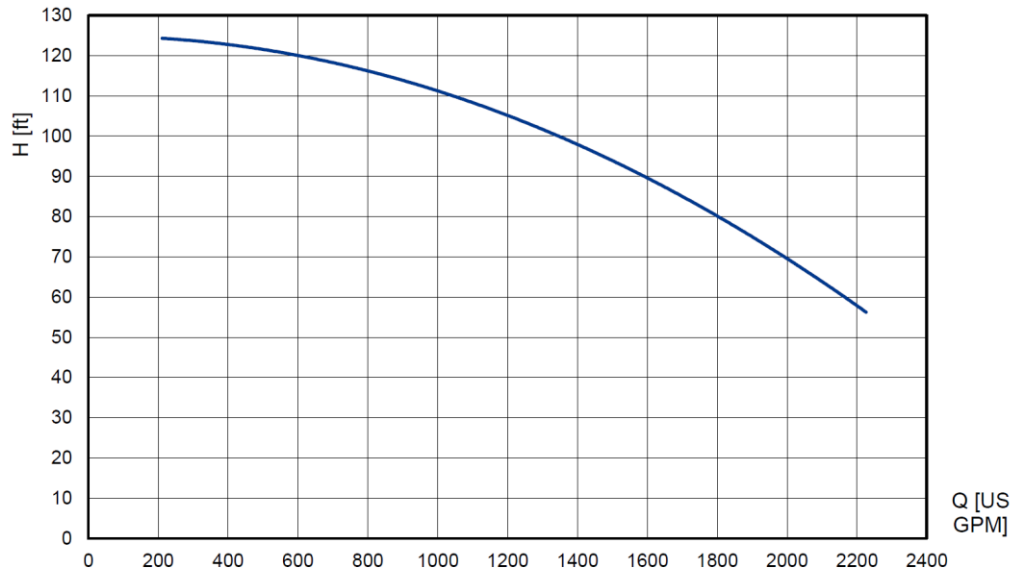
- Complete in-house design & production
- Over 60 years of experience in the market
- Extensive testing facility in-house
- Contemporary & functional design
- Durable & eco-friendly materials
- Custom builds available

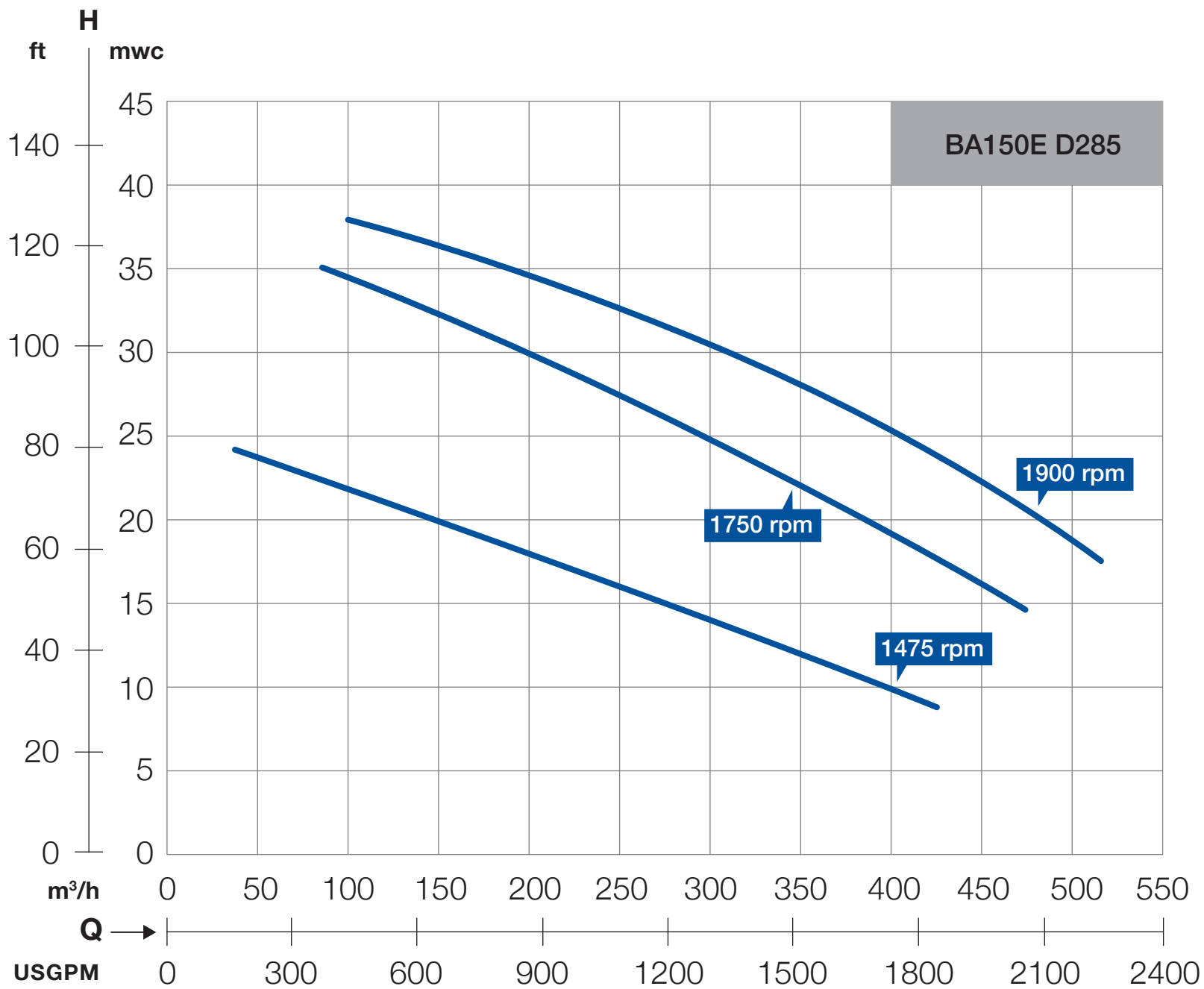
After sales service & product support

- 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 (1900 RPM)

Continuous duty according ISO 9906





STANDARD TECHNICAL SPECIFICATIONS

BBA auto prime pump

Pump type.....	BA150E D285
Max. flow.....	2200 US GPM (500 m ³ /hour)
Max. head	125 feet / 54 PSI (38 mwc)
Impeller type	Open impeller
Solids handling	3.15 inch (80 mm)
Pump casing.....	Cast iron GG20
Impeller	Chrome Moly 42CrM04
Self-cleaning wear plate	Chrome Moly 42CrM04 (cutter slots)
Pump shaft.....	C45
Shaft seal.....	Mechanical seal
Seal faces	Tung/Sic
Seal rubbers	Viton



BBA priming system

Pump type.....	BBA MP50 Diaphragm pump
Air handling capacity	30 CFM (50 m ³ /h)
Max. vacuum	29 inHg (8.5 m)
Drive	Toothed belt (continuous drive)
Float box	Aluminium
Non return valve	Cast iron GG25
Check valve disc.....	Buna-N



Engine

Engine brand	Hatz
Engine type.....	4H50TIC
Max. power output	75 Hp (55.4 kW)
Variable engine speed	1300 - 1900 RPM
Fuel consumption	220 g/kWh
Displacement.....	1,952 cm ³
Number of cylinders.....	4
Aftertreatment.....	EGR, DOC
Exhaust emission US	Tier 4 Final

LOFA control panel

- Auto start/stop system
- Two float switches included (10m cable)
- Switch Manual-0-Auto
- Warning lights
- Safety features to protect the engine
- High resolution 4.3" LCD monitor



Fuel system

- PE fuel tank 80 US Gallon (300 L.) net
- Fuel tank cap Ø 4" (100 mm)
- Electronic fuel injection system

Electrical system & safety features

- Nominal voltage 12 Volt
- Premium quality battery
- Low oil pressure shut down

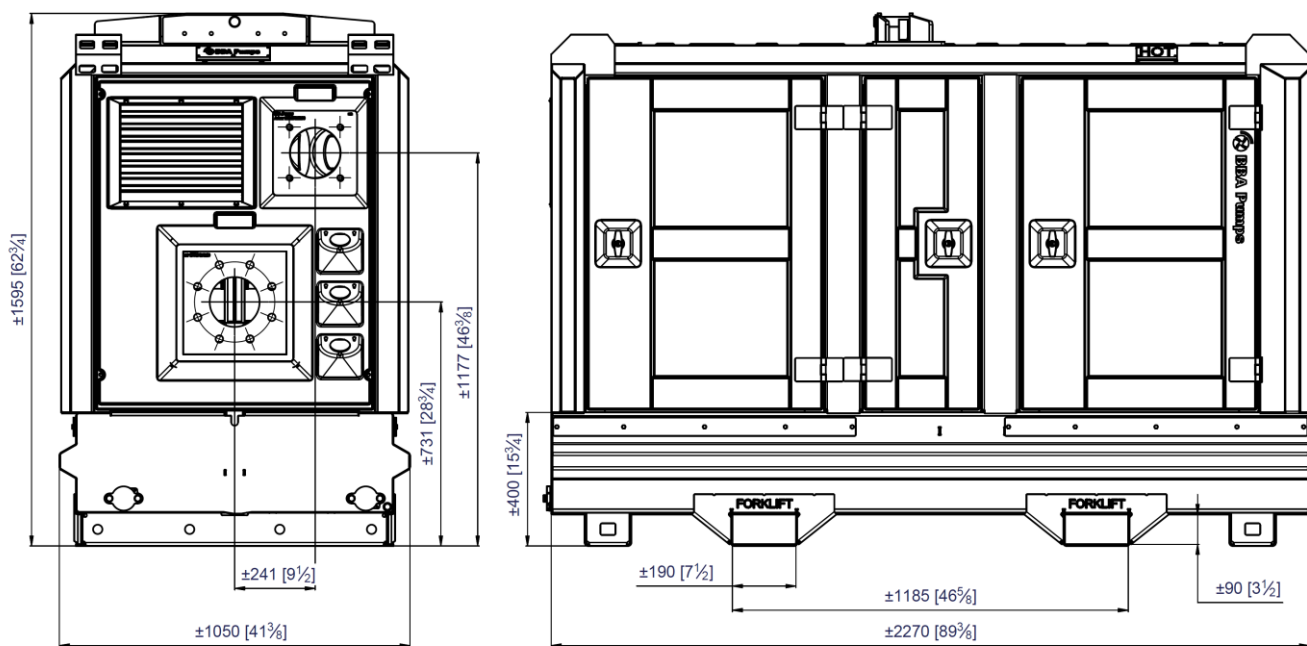
CANOPY M10-23X

BBA sound attenuating canopy

Canopy type.....	M10-23X
Dimensions L x W x H	89.4 x 41.3 x 62.8 inch
Dimensions L x W x H	2270 x 1050 x 1595 mm
Basic frame.....	Hot dip galvanized
Roof panel	Composite roof panel
Doors	5 lockable composite doors
Fuel tank	PE net 80 US Gallon (300 ltr)
Fuel tank autonomy	30 hours (at 1900 rpm BEP)
Fuel tank cap	4 inch (100mm)
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 and battery isolator switch
Connections	Please consult "auxiliary items" in overleaf
Documentation box.....	BBA user manual and warranty book

BBA E-lift® system

The M10-23X canopy has been fitted with the BBA E-lift® system. By removing the roof panel, the pump and diesel engine as a whole can be removed from the canopy effortlessly allowing easy preventative maintenance on the pump and diesel engine. In addition, as the canopy is not fitted with padding or insulation materials, it can be cleaned quickly using a pressure washer.



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

**BA150E Diesel Driven
Dewatering and Sewage Pump
Max. 2200 US GPM, Max. 125 ft. / 54 PSI**



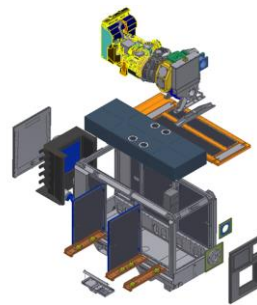
Open impeller
Corrosion and abrasion resistant Chrome Moly (42CrM04) alloy.



Fuel tank
Double wall fuel containment, corrosion-free, 80 US Gallon, high-density polyethylene (HDPE) fuel tank, located in base of canopy.



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



Speedy servicing
By removing the roof panel, the pump and diesel engine as a whole can be removed from the canopy effortlessly allowing easy preventative maintenance on the pump and diesel engine.



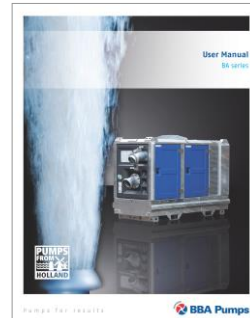
Large inspection covers
Easy access to float box, impeller and non-return valve.



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




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.

AUXILIARY ITEMS


Discharge connections

Art.nr.		Ø inch	Ø mm	Connection	
5080873	30°	6	150	ANSI/DIN Flange	
5080899	30°	8	200	ANSI Flange	
5080876	30° female (cup)	6	150	system B	
5080881	30° male (ball/lever)	6	150	system B	
5080813	30° female (cup)	8	200	system B	
5080809	30° male (ball/lever)	8	200	system B	

Suction connections

Art.nr.		Ø inch	Ø mm	Connection	
5080884	30°	6	150	ANSI/DIN Flange	
5080897	0°	8	200	ANSI Flange	
5080889	30° female (cup)	6	150	system B	
5080890	30° male (ball/lever)	6	150	system B	
5080914	0° female (cup)	8	200	system B	
5080911	0° male (ball/lever)	8	200	system B	

Suction hose with strainer L=6 metre

Art.nr.	Ø inch	Ø mm	connection	
7047055	6	150	ANSI/DIN Flange	
7047058	8	200	Flange K295	
7047008	6	150	System B male (ball/lever)	
7047038	6	150	System C female (cup/lever)	

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

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

Pictures used are for illustration purposes only.



Pump specifications:

Type.....	BA150KS D285
Max. flow	500 m ³ /hour (2200 US GPM)
Max. pressure	48 mwc (158 ft.)
Connections.....	DN150 (6")
Solids handling	100 mm (4")
Impeller type	Screw channel impeller
Priming system	BBA MP50
Engine	Hatz 4H50TICD
Emission level.....	Stage V
Canopy	M10-23X
Sound level.....	Approx. 66 dB(A) at 10 m
Dry weight.....	1700 kg (3740 lbs.)

FEATURES

BA auto prime pump

The BA range of pumps has been designed with a clear focus on reliability, efficiency and durability. Featuring a 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 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".

Sustainability

- High efficiency pumps minimising fuel consumption
- Corrosion free hot dip galvanized canopy
- Corrosion free composite door panels and powder coated plating
- 100% Oil-spill free priming system
- Fully bunded unit eliminating fuel/oil spills at all times

Complete package designed & built by BBA Pumps

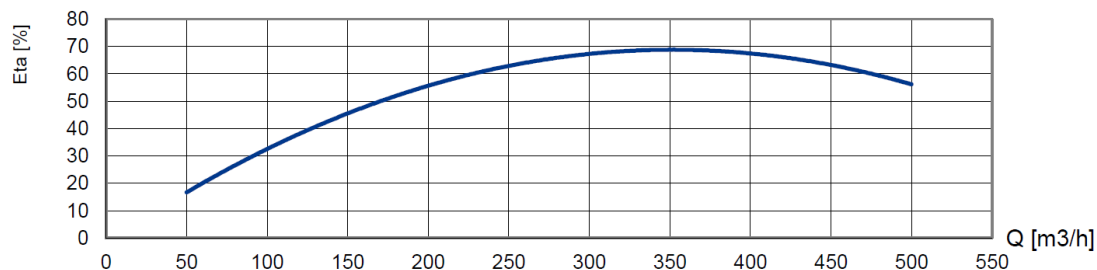
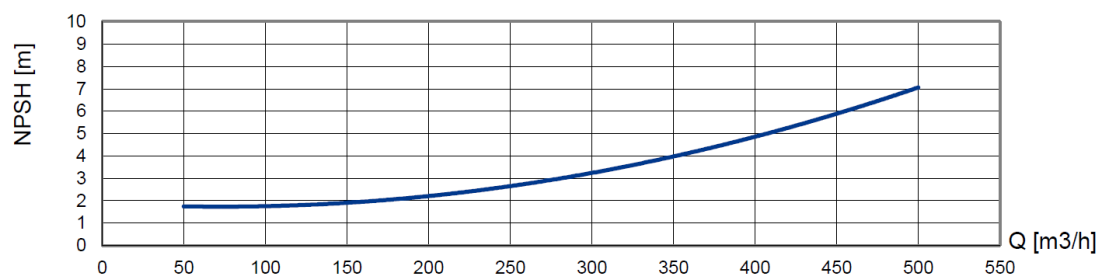
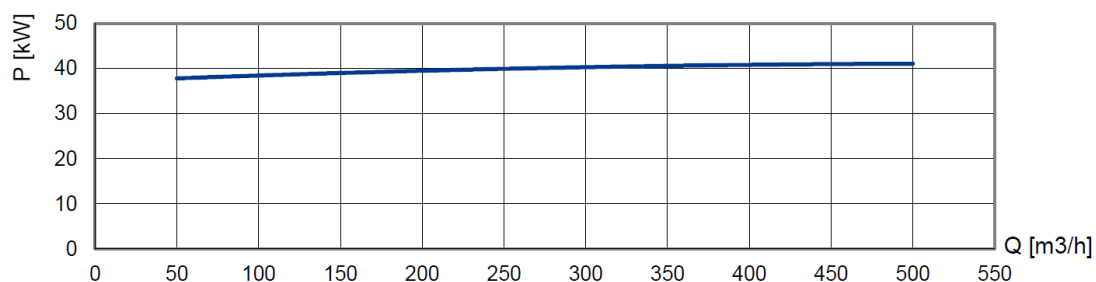
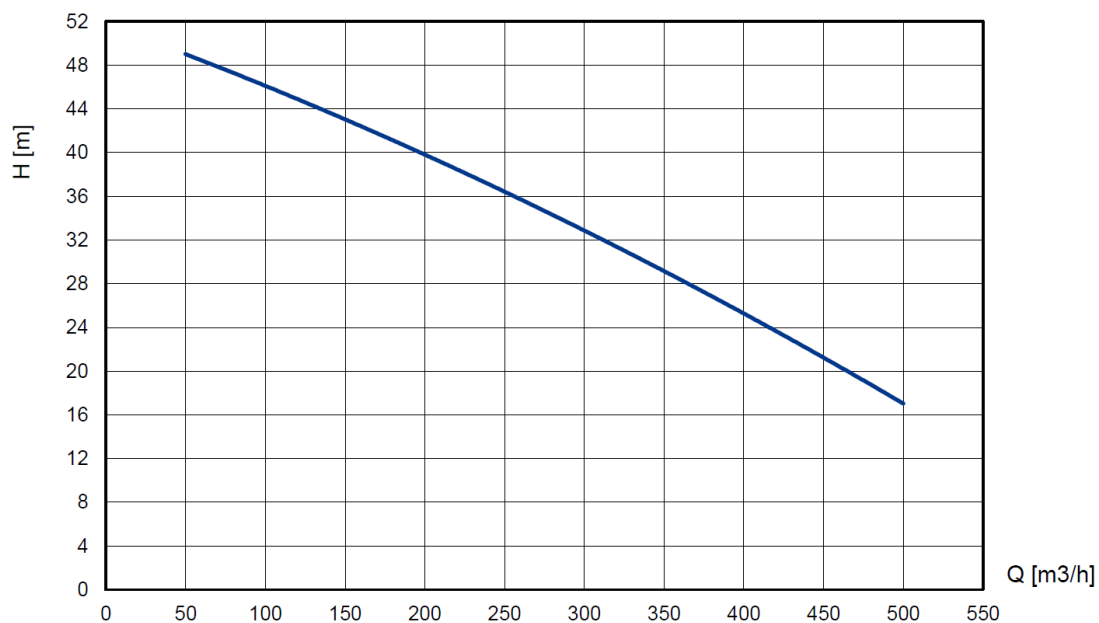
- Complete in-house design & production
- Over 60 years of experience in the market
- Extensive testing facility in-house
- Contemporary & functional design
- Durable & eco-friendly materials
- Custom builds available

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 (2300 RPM)

Continuous duty according ISO 9906



STANDARD TECHNICAL SPECIFICATIONS

BBA auto prime pump

Pump type.....	BA150KS D285
Max. flow.....	500 m ³ /hour (2200 US GPM)
Max. head.....	48 mwc (158 feet)
Impeller type.....	Screw channel impeller
Solids handling.....	100 mm (4 inch)
Pump casing.....	Cast iron GG20
Impeller w/ cutter slots.....	Chrome Moly 42CrM04
Suction piece.....	Chrome Moly 42CrM04
Backplate w/ cutting edges.....	GG25
Pump shaft.....	C45
Shaft seal.....	Mechanical seal
Seal faces.....	Tung/Sic
Seal rubber.....	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 inHg)
Drive.....	Toothed belt (continuous drive)
Float box.....	Aluminium
Non return valve.....	Cast iron GG25
Check valve disc.....	Buna-N



Engine

Engine brand.....	Hatz
Engine type.....	4H50TICD
Max. power IFN.....	55.4 kW (75 Hp)
Variable engine speed.....	1300 - 2300 RPM
Fuel consumption.....	220 g/kWh
Displacement.....	1,952 cm ³
Number of cylinders.....	4
Aftertreatment.....	EGR, DOC, DPF
Emission level.....	Stage V

BBA control panel LC40

- Auto start/stop system
 - Two float switches included (10m cable)
 - Key switch
 - Rpm. control with push buttons
 - Warning lights
 - 4.3" LCD display
- The LCD monitor displays additional engine data, e.g. actual engine speed, working hours, battery voltage, fuel consumption and failures in clear text (Multilanguage support)



Fuel system

- Composite fuel tank 300 L (80 US Gallon)
- Fuel tank cap Ø 100 mm (4 inch)
- Electronic fuel injection system

Electrical system & safety features

- Nominal voltage 12 Volt
- Premium quality battery
- Low oil pressure shut down

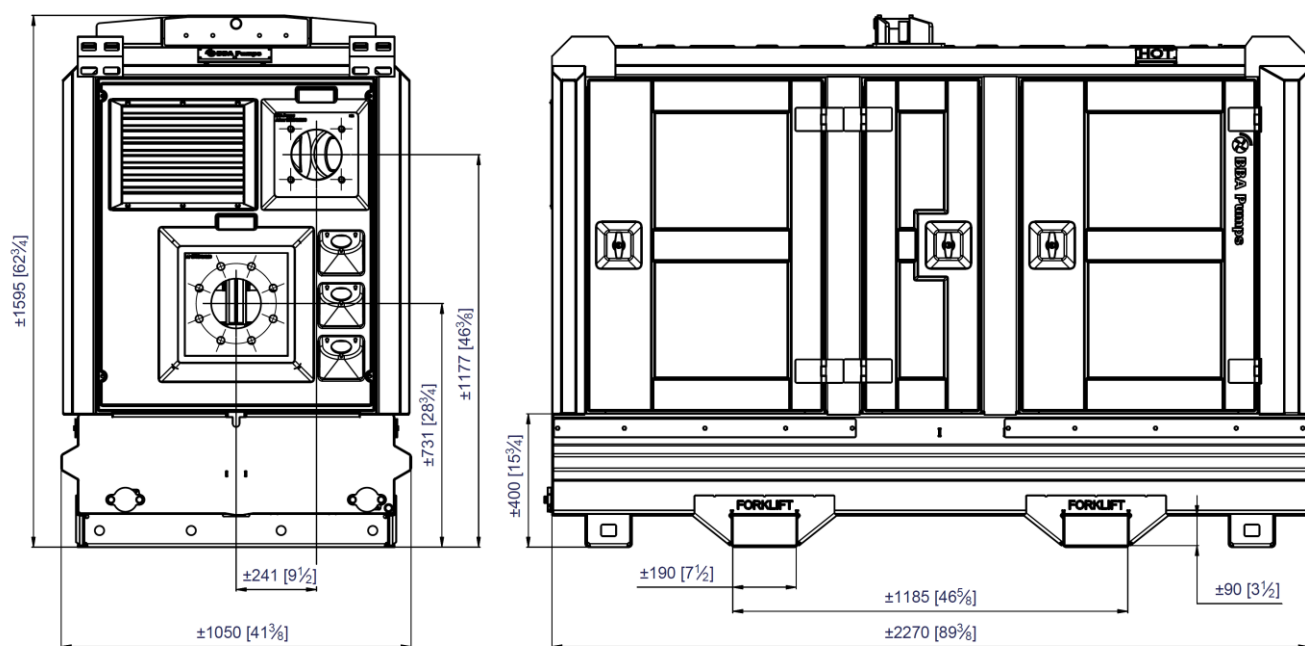
CANOPY M10-23X

BBA sound attenuating canopy

Canopy type.....	M10-23X
Dimensions L x W x H	2270 x 1050 x 1595 mm
Dimensions L x W x H	89.4 x 41.3 x 62.8 inch
Basic frame	Hot dip galvanized
Roof panel	Composite roof panel
Doors	5 lockable composite doors
Fuel tank	PE net 300 ltr (80 US Gallon)
Fuel tank autonomy	27-28 hours (at 2300 rpm BEP)
Fuel tank cap	100 mm (4 inch)
Electrical isolation	Battery isolator switch
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
Documentation box.....	BBA user manual and warranty book

BBA E-lift® system

The M10-23X canopy has been fitted with the BBA E-lift® system. By removing the roof panel, the pump and diesel engine as a whole can be removed from the canopy effortlessly allowing easy preventative maintenance on the pump and diesel engine. In addition, as the canopy is not fitted with padding or insulation materials, it can be cleaned quickly using a pressure washer.



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



Screw channel impeller

This special designed closed screw impeller is a real waste warrior. Even at higher speed, or with pumping air bubbles, the pump runs vibration-free. The best choice for your sewer bypass jobs.



Large inspection covers

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



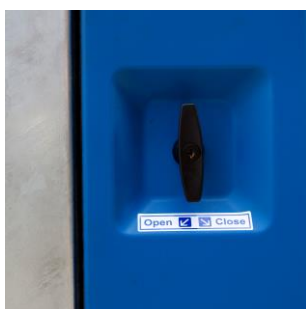
Easy inspection

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



Fuel tank

Fully bunded, corrosion-free, 300 liter, high-density polyethylene (HDPE) fuel tank, located in base of canopy.



Safety

Extremely durable and lockable T-locks offering perfect grip.




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.


Pictures used are for illustration purposes only.

AUXILIARY ITEMS


Discharge connections

Art.nr.		Ø inch	Ø mm	Connection	
5080873	30°	6	150	Flange K240	
1516604209	30°	8	200	Flange K295	
5080876	30° female (cup)	6	150	System B	
5080881	30° male (ball/lever)	6	150	System B	
5080877	30° male (ball)	6	150	System C	
5080882	30° female (cup/lever)	6	150	System C	


Suction connections

Art.nr.		Ø inch	Ø mm	Connection	
5080884	30°	6	150	Flange K240	
1516604208	30°	8	200	Flange K295	
5080889	30° female (cup)	6	150	System B	
5080890	30° male (ball/lever)	6	150	System B	
5080887	30° male (ball)	6	150	System C	
5080888	30° female (cup/lever)	6	150	System C	

Suction hose with strainer L=5 metre

Art.nr.	Ø inch	Ø mm	Connection	
7047054	6	150	Flange K240	
7047057	8	200	Flange K295	
7047007	6	150	System B male (ball/lever)	
7047037	6	150	System C female (cup/lever)	

Suction hose with strainer L=6 metre

Art.nr.	Ø inch	Ø mm	Connection	
7047055	6	150	Flange K240	
7047058	8	200	Flange K295	
7047008	6	150	System B male (ball/lever)	
7047038	6	150	System C female (cup/lever)	

Recommended suction pipe diameter (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



Pump specifications:

Type.....	BA180KS D315
Max. flow	580 m ³ /hour (2550 US GPM)
Max. pressure	41 mwc (135 ft.)
Connections.....	DN200 (8")
Solids handling	125 mm (5")
Impeller type	Screw channel impeller
Priming system	BBA MP50
Engine	Hatz 4H50TICD
Emission level.....	Stage V
Canopy	M10-23X
Sound level.....	Approx. 64 dB(A) at 10 m
Dry weight.....	1750 kg (3850 lbs.)

FEATURES

BA auto prime pump

The BA range of pumps has been designed with a clear focus on reliability, efficiency and durability. Featuring a 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 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".

Sustainability

- High efficiency pumps minimising fuel consumption
- Corrosion free hot dip galvanized canopy
- Corrosion free composite door panels and powder coated plating
- 100% Oil-spill free priming system
- Fully bunded unit eliminating fuel/oil spills at all times

Complete package designed & built by BBA Pumps

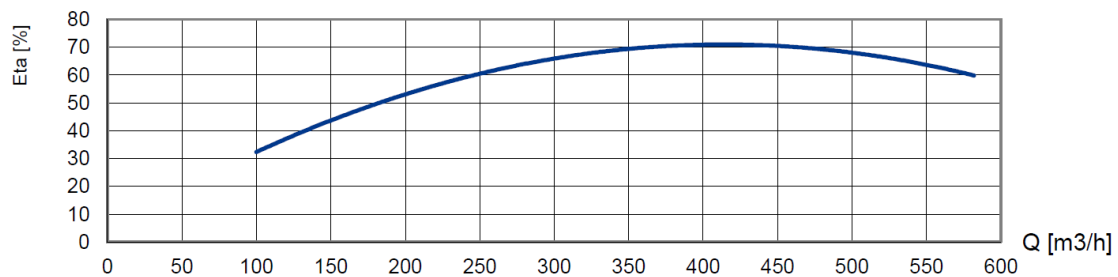
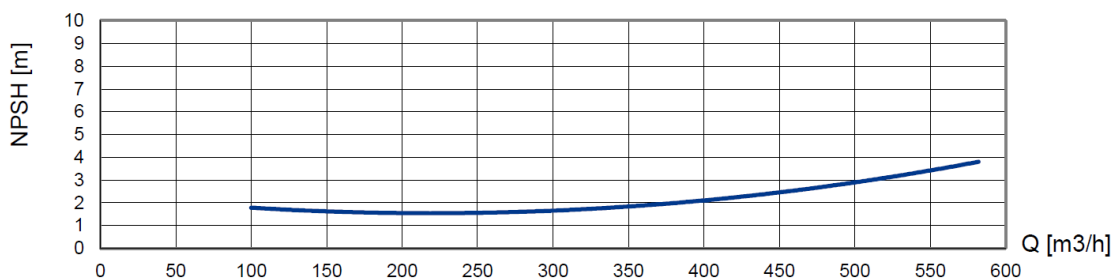
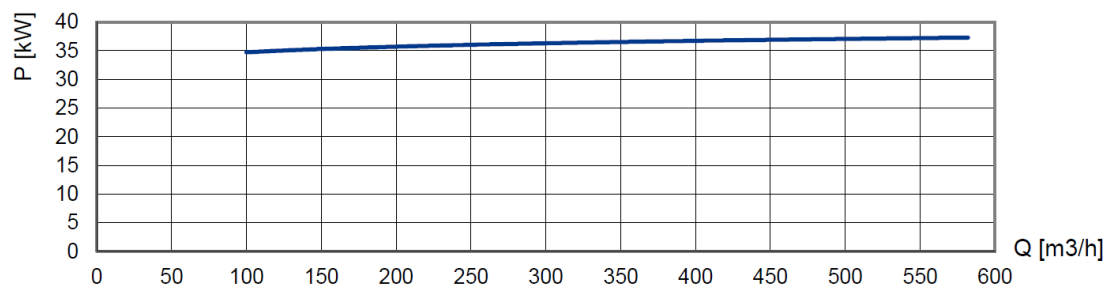
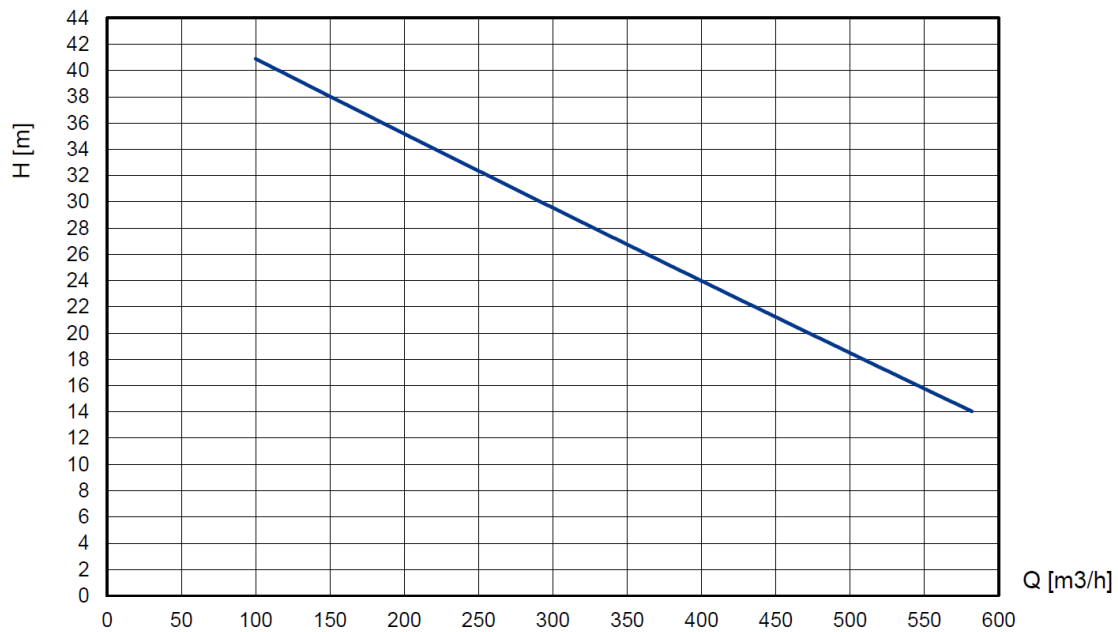
- Complete in-house design & production
- Over 60 years of experience in the market
- Extensive testing facility in-house
- Contemporary & functional design
- Durable & eco-friendly materials
- Custom builds available

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 (1750 RPM)

Continuous duty according ISO 9906



STANDARD TECHNICAL SPECIFICATIONS

BBA auto prime pump

Pump type.....	BA180KS D315
Max. flow.....	580 m ³ /hour (2550 US GPM)
Max. head.....	41 mwc (135 feet)
Impeller type.....	Screw channel impeller
Solids handling.....	125 mm (5 inch)
Pump casing.....	Cast iron GG20
Impeller w/ cutter slots.....	Chrome Moly 42CrM04
Suction piece.....	Chrome Moly 42CrM04
Backplate w/ cutting edges.....	GG25
Pump shaft.....	C45
Shaft seal.....	Mechanical seal
Seal faces.....	Tung/Sic
Seal rubber.....	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 inHg)
Drive.....	Toothed belt (continuous drive)
Float box.....	Aluminium
Non return valve.....	Cast iron GG25
Check valve disc.....	Buna-N



Engine

Engine brand.....	Hatz
Engine type.....	4H50TICD
Max. power IFN.....	55.4 kW (75 Hp)
Variable engine speed.....	1300 - 1750 RPM
Fuel consumption.....	220 g/kWh
Displacement.....	1,952 cm ³
Number of cylinders.....	4
Aftertreatment.....	EGR, DOC, DPF
Emission level.....	Stage V

BBA control panel LC40

- Auto start/stop system
 - Two float switches included (10m cable)
 - Key switch
 - Rpm. control with push buttons
 - Warning lights
 - 4.3" LCD display
- The LCD monitor displays additional engine data, e.g. actual engine speed, working hours, battery voltage, fuel consumption and failures in clear text (Multilanguage support)



Fuel system

- Composite fuel tank 300 L (80 US Gallon)
- Fuel tank cap Ø 100 mm (4 inch)
- Electronic fuel injection system

Electrical system & safety features

- Nominal voltage 12 Volt
- Premium quality battery
- Low oil pressure shut down

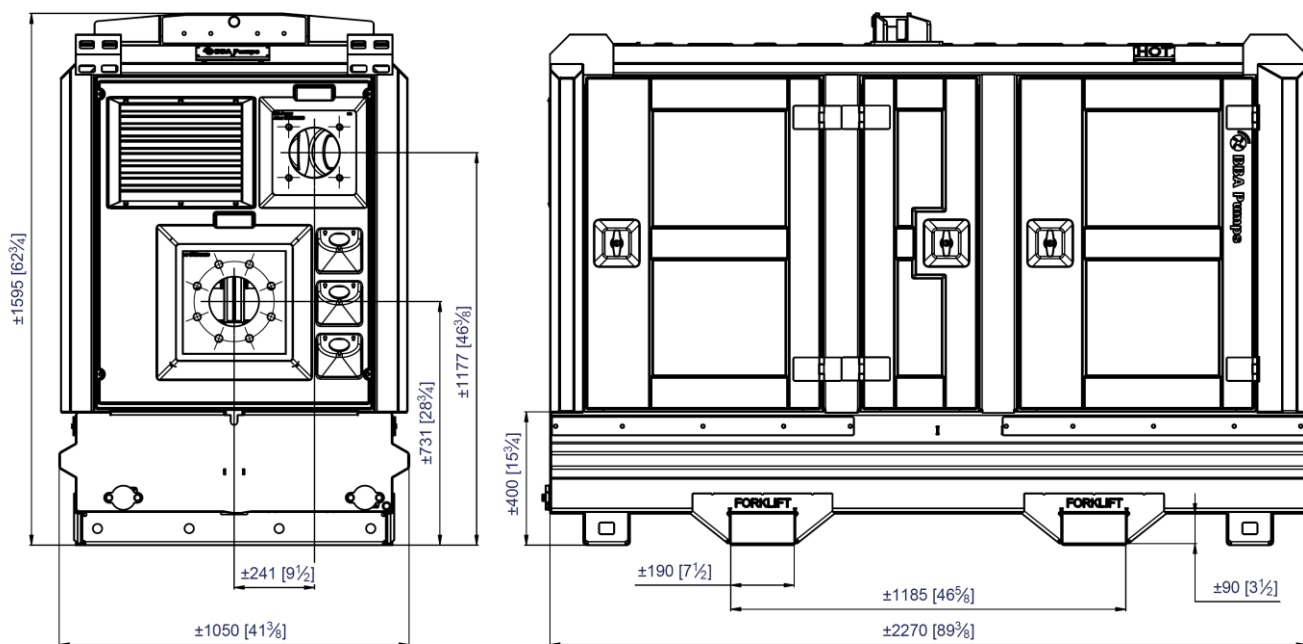
CANOPY M10-23X

BBA sound attenuating canopy

Canopy type.....	M10-23X
Dimensions L x W x H	2270 x 1050 x 1595 mm
Dimensions L x W x H	89.4 x 41.3 x 62.8 inch
Basic frame	Hot dip galvanized
Roof panel	Composite roof panel
Doors	5 lockable composite doors
Fuel tank	PE net 300 ltr (80 US Gallon)
Fuel tank autonomy	28-30 hours (at 1750 rpm BEP)
Fuel tank cap	100 mm (4 inch)
Electrical isolation	Battery isolator switch
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
Documentation box.....	BBA user manual and warranty book

BBA E-lift® system

The M10-23X canopy has been fitted with the BBA E-lift® system. By removing the roof panel, the pump and diesel engine as a whole can be removed from the canopy effortlessly allowing easy preventative maintenance on the pump and diesel engine. In addition, as the canopy is not fitted with padding or insulation materials, it can be cleaned quickly using a pressure washer.



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



Screw channel impeller

This special designed closed screw impeller is a real waste warrior. Even at higher speed, or with pumping air bubbles, the pump runs vibration-free. The best choice for your sewer bypass jobs.



Large inspection covers

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



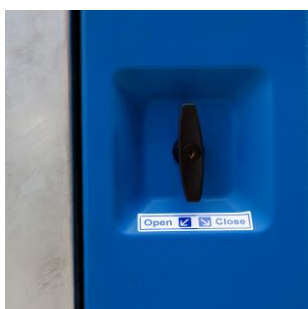
Easy inspection

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



Fuel tank

Fully bunded, corrosion-free, 300 liter, high-density polyethylene (HDPE) fuel tank, located in base of canopy.



Safety

Extremely durable and lockable T-locks offering perfect grip.




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.


Pictures used are for illustration purposes only.

AUXILIARY ITEMS


Discharge connections

Art.nr.		Ø inch	Ø mm	Connection	
1516604209	30° flange DIN	8	200	Flange	
5080899	30° flange ANSI	8	200	Flange	
5080813	30° female (cup)	8	200	System B	
5080909	30° male (ball/lever)	8	200	System B	
5080895	30° male (ball/ring)	8	200	System IT	
5080898	30° female (cup/lever)	8	200	System IT	


Suction connections

Art.nr.		Ø inch	Ø mm	Connection	
17160297	0° flange K295 x K350	8-10	200-250	DIN Flange	
3611467	0° female (cup)	8	200	System B	
3811501	0° male (ball/ring)	8	200	System IT	
3811511	0° female (cup/lever)	8	200	System IT	
3111232	0° male (ball/ring)	10	250	System IT	
3111228	0° female (cup/lever)	10	250	System IT	

Suction hose with strainer L=5 metre

Art.nr.	Ø inch	Ø mm	Connection	
7047042	8	200	System IT female (cup/lever)	
7047057	8	200	Flange K295	
7047062	10	250	Flange K350	

Suction hose with strainer L=6 metre

Art.nr.	Ø inch	Ø mm	Connection	
7047043	8	200	System IT female (cup/lever)	
7047058	8	200	Flange K295	
7047063	10	250	Flange K350	

Recommended suction pipe ID vs flow rates by pipe dimension (maximum velocity = 4 m/sec)

M3/H	US gallons	FLOW (L/sec)	4" 100	5" 125	6" 150	8" 200	10" 250	12" 300
324	1426	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
403.2	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	2060	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
540	2337	150	19.10	12.22	8.49	4.77	3.06	2.12
576	2536	160	20.37	13.04	9.05	5.09	3.26	2.26
612	2694	170	21.65	13.85	9.62	5.41	3.46	2.41

BA200E Diesel Driven
Dewatering and Sewage Pump
Max. 3850 US GPM, Max. 152 ft. / 65.8 PSI



Pump specifications:

Type.....	BA200E D328
Max. flow	3850 US GPM (875 m3/hour)
Max. pressure	152 ft. / 65.8 PSI (46 mwc)
Discharge x suction	8" x 10" flanges
Solids handling	3,15" (80 mm)
Impeller type	Open impeller
Priming system	BBA MP50
Engine	Volvo Penta TAD570VE
Emission standard	Tier 4 final
Canopy	M14-30
Sound level.....	Approx. 69 dB(A) at 33 ft.
Dry weight.....	8760 lbs. (3980 kg)

FEATURES

BA auto prime pump

The BA range of pumps has been designed with a clear focus on reliability, efficiency and durability. Featuring a fully automatic 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 demanding construction market.

World-class performance

The BA range is built to be deployed on the most demanding 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".

Sustainability

- High efficiency pumps minimising fuel consumption
- Corrosion free hot dip galvanized canopy
- Corrosion free composite door panels and powder coated plating
- 100% Oil-spill free priming system
- Fully self contained unit featuring a double wall fuel containment tank and fluid containment system eliminating fuel/oil spills at all times

Complete package designed & built by BBA Pumps

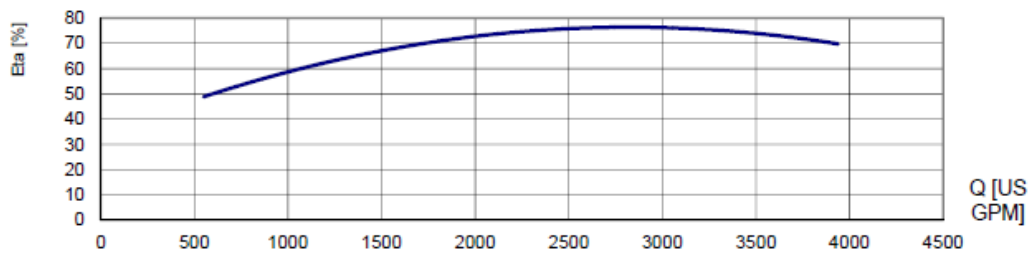
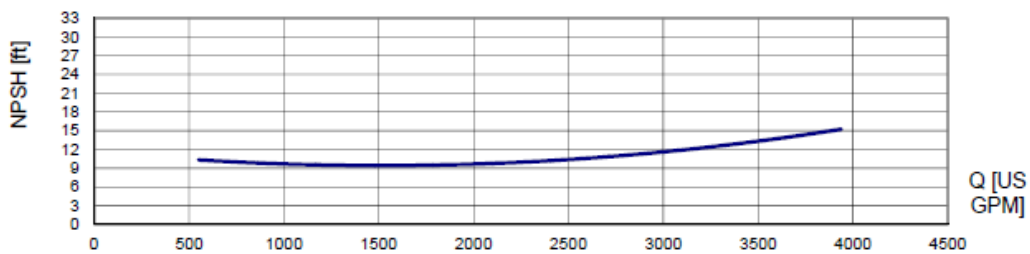
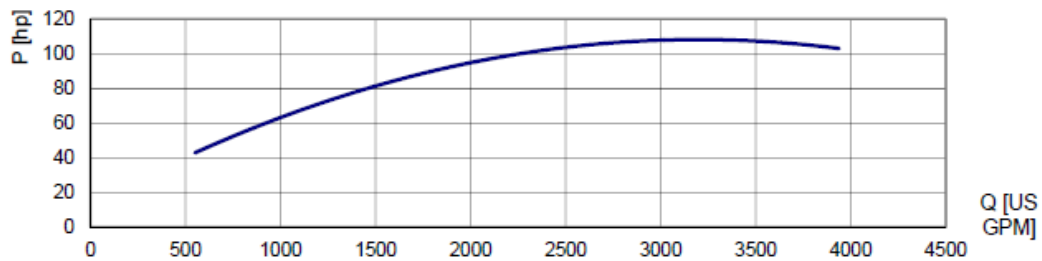
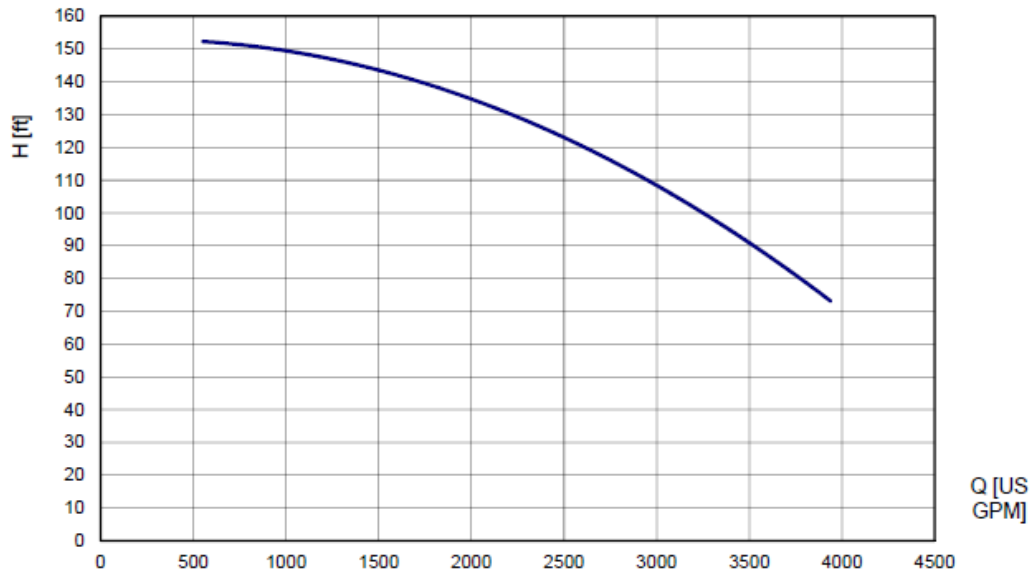
- Complete in-house design & production
- Over 60 years of experience in the market
- Extensive testing facility in-house
- Contemporary & functional design
- Durable & eco-friendly materials
- Custom builds available

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 1800 RPM

Continuous duty according ISO 9906



STANDARD TECHNICAL SPECIFICATIONS

BBA auto prime pump

Pump type.....	BA200E D328
Max. flow.....	3850 US GPM (875 m³/hour)
Max. head	152 feet / 66 PSI (46 mwc)
Impeller type	Open impeller
Solids handling	3.15" (80 mm)
Pump casing.....	Cast iron GG20
Impeller	Chrome Moly 42CrM04
Wear plate	Chrome Moly 42CrM04
Pump shaft.....	C45
Shaft seal.....	Mechanical seal
Seal faces	Tung/Sic
O-ring.....	Viton

BBA priming system

Pump type.....	BBA MP50 Diaphragm pump
Air handling capacity	28 CFM (50 m³/h)
Max. vacuum	29 inHg (8.5 m)
Drive	Toothed belt (continuous drive)
Float box	Aluminium
Non return valve	Cast iron GG25
Check valve disc.....	Buna-N

Engine

Engine brand	Volvo Penta
Engine type.....	TAD570VE
Flywheel power.....	130 Hp (96 kW)
Engine speed.....	1300 - 1800 RPM
Fuel consumption	202 g/kWh
Displacement.....	5.1 ltr
Number of cylinders.....	4
Aftertreatment.....	SCR (=AdBlue)
Exhaust emission US	Tier 4 final

Lofa control panel LC30

- Auto start/stop system
- Two float switches included (10m cable)
- Switch Manual-0-Auto
- RAMP-UP/DOWN function
- Rpm. control with push buttons
- Warning lights
- 4.3" LCD monitor

Fuel system

- Fuel tank steel 125 gallon net (450 L)
- AdBlue® tank 48 US Gallon net (180 L.)
- Electronic fuel injection system



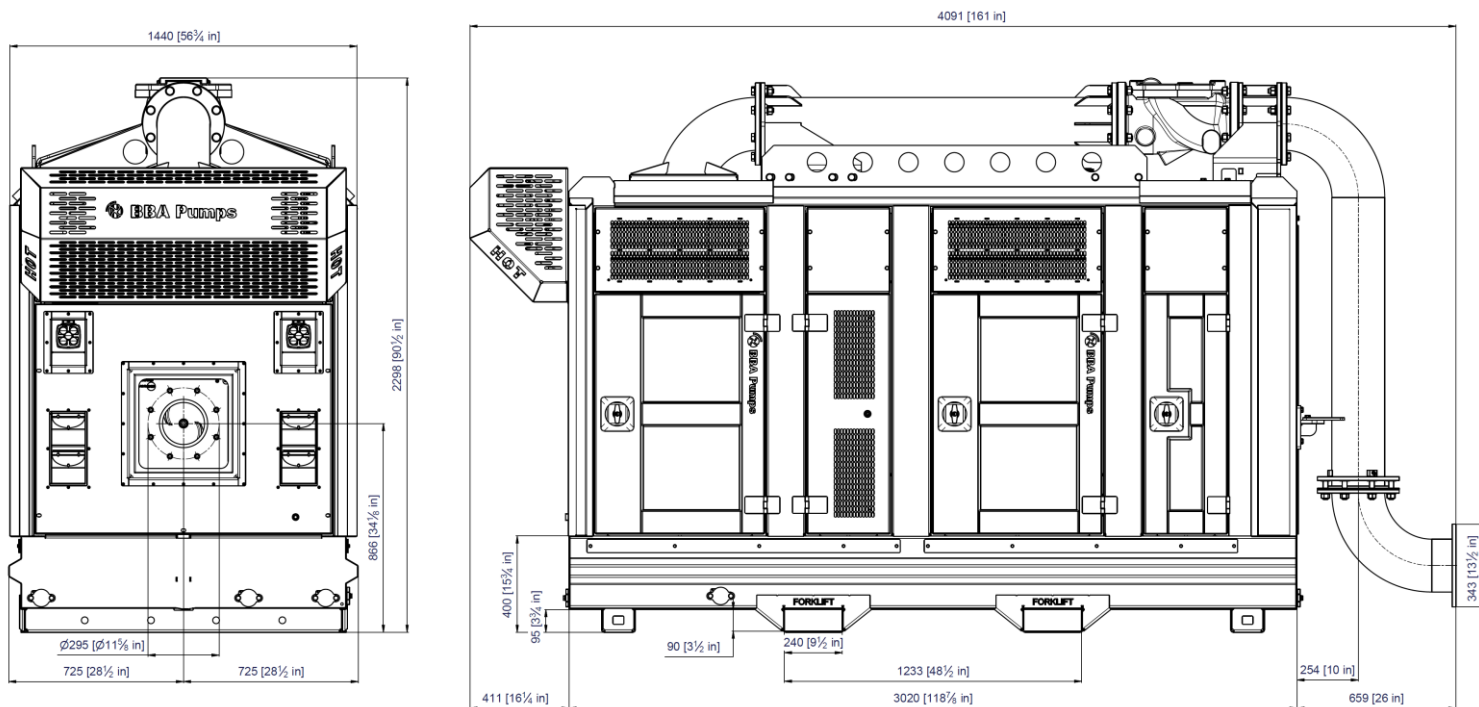
Electrical system & safety features

- Nominal voltage 24 Volt
- Premium quality battery
- Engine safety features like overload shutdown

CANOPY M14-30 (discharge roof pipe)

BBA sound attenuating canopy

Canopy type.....	M14-30
Dimensions L x W x H	157.5 x 57 x 98.4 inch
Dimensions L x W x H	4000 x 1450 x 2500 mm
Basic frame.....	Hot dip galvanized
Doors	6 composite easy-access doors (lockable)
Fuel tank	Steel net 125 US gallon (475 ltr)
Fuel tank autonomy	22-23 hours (at 1800 rpm BEP)
Fuel tank cap	4 inch (100 mm)
Addblue® tank	PE net 48 US Gallon (180 ltr)
Forklift pockets.....	Fitted with 2 forklift pockets
Lifting point	Fitted with lifting points
Connections.....	Flange connections
Exhaust system	Muffler mounted on front canopy
Aftertreatment.....	Fully integrated in the canopy
Additional	Fitted with oil-water separator
Documentation box.....	BBA user manual and warranty book



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



Factory Acceptance Test
Extensive testing facility in-house. FAT must be conducted formally and be witnessed by the owner and/or project manager.



LED lights
Fully integrated in the canopy for easy operation throughout the evening and night.



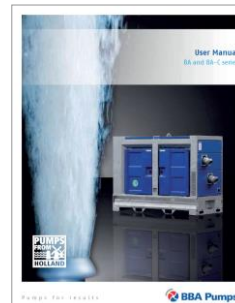
Large inspection covers
Easy access to float box, impeller and non-return valve.



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



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
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.



Pump specifications:

Type.....	BA200E D405
Max. flow	3365 US GPM (765 m3/hour)
Max. pressure	197 ft. / 85 PSI (60 mwc)
Discharge x suction	8" x 10" flanges
Solids handling	3" (76 mm)
Impeller type	Open impeller
Priming system	BBA MP50
Engine	Volvo Penta TAD572VE
Emission standard	Tier 4 final
Canopy	M14-30
Sound level	Approx. 69 dB(A) at 33 ft.
Dry weight.....	8760 lbs. (3980 kg)

FEATURES

BA auto prime pump

The BA range of pumps has been designed with a clear focus on reliability, efficiency and durability. Featuring a fully automatic 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 demanding construction market.

World-class performance

The BA range is built to be deployed on the most demanding 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".

Sustainability

- High efficiency pumps minimising fuel consumption
- Corrosion free hot dip galvanized canopy
- Corrosion free composite door panels and powder coated plating
- 100% Oil-spill free priming system
- Fully self contained unit featuring a double wall fuel containment tank and fluid containment system eliminating fuel/oil spills at all times

Complete package designed & built by BBA Pumps

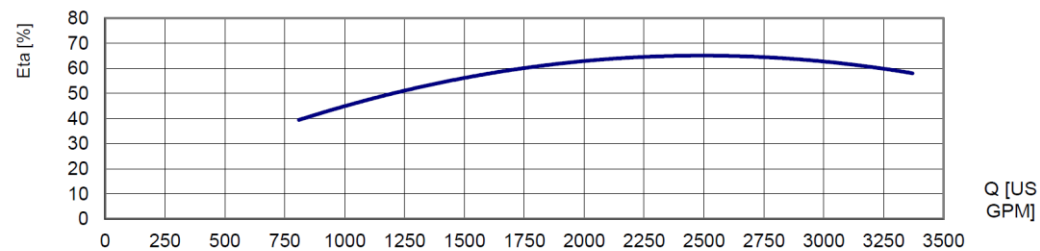
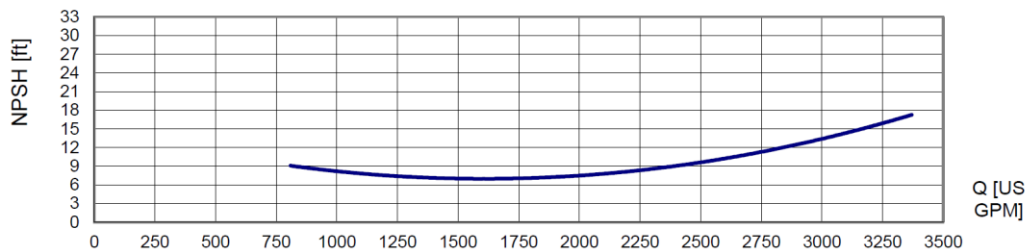
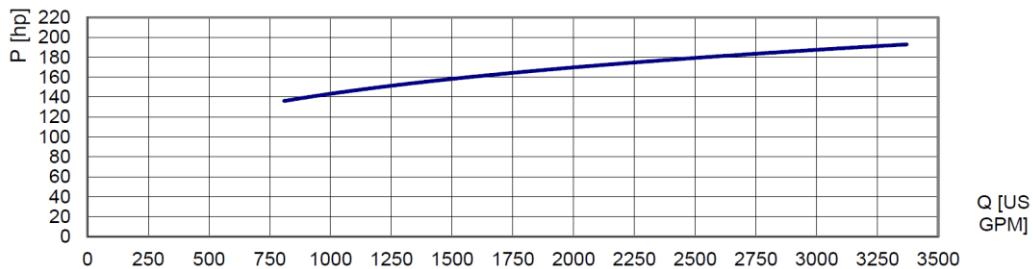
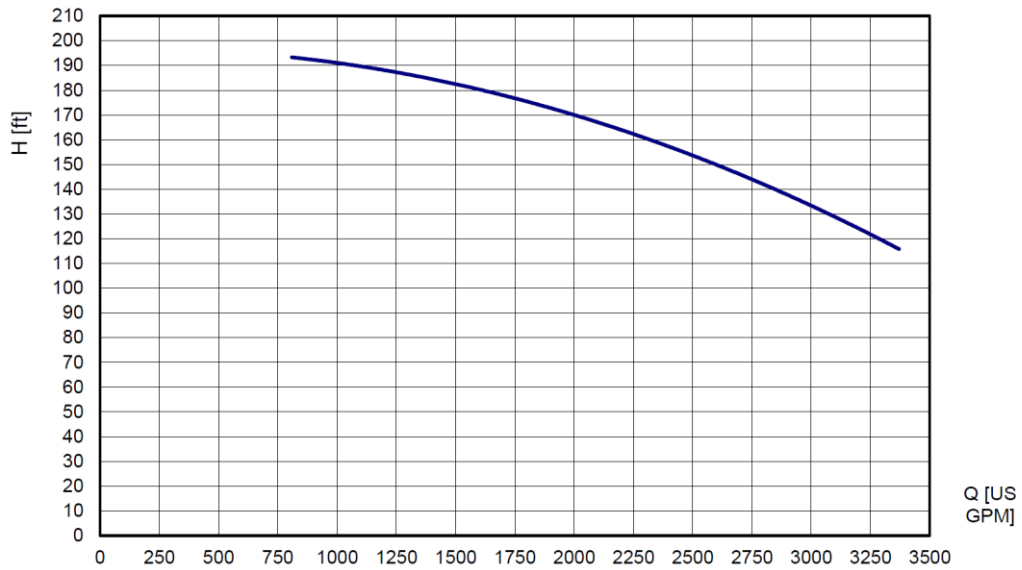
- Complete in-house design & production
- Over 60 years of experience in the market
- Extensive testing facility in-house
- Contemporary & functional design
- Durable & eco-friendly materials
- Custom builds available

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 1800 RPM

Continuous duty according ISO 9906



STANDARD TECHNICAL SPECIFICATIONS

BBA auto prime pump

Pump type.....	BA200E D405
Max. flow.....	3365 US GPM (765 m³/hour)
Max. head.....	197 feet (60 mwc)
Impeller type.....	Open impeller
Solids handling.....	3 inch (76 mm)
Pump casing.....	Ductile iron
Impeller.....	Stainless steel GX4CrNi13-4 (1.4317)
Wear plate.....	Stainless steel GX4CrNi13-4 (1.4317)
Pump shaft.....	Stainless steel 316
Shaft seal.....	Mechanical seal
Seal faces.....	HM/HM
O-ring.....	Viton



BBA priming system

Pump type.....	BBA MP50 Diaphragm pump
Air handling capacity.....	28 CFM (50 m³/h)
Max. vacuum.....	29 inHg (8.5 m)
Drive.....	Toothed belt (continuous drive)
Float box.....	Aluminium
Non return valve.....	Cast iron GG25
Check valve disc.....	Buna-N



Engine

Engine brand.....	Volvo Penta
Engine type.....	TAD572VE
Flywheel power.....	197 Hp (145 kW)
Engine speed.....	1300 - 1800 RPM
Fuel consumption.....	202 g/kWh
Displacement.....	5.1 ltr
Number of cylinders.....	4
Aftertreatment.....	SCR (=AdBlue)
Exhaust emission US.....	Tier 4 final

Lofa control panel LC30

- Auto start/stop system
- Two float switches included (10m cable)
- Switch Manual-0-Auto
- RAMP-UP/DOWN function
- Rpm. control with push buttons
- Warning lights
- 4.3" LCD monitor



Fuel system

- Fuel tank steel 125 US Gallon net (475 L.)
- AdBlue® tank 48 US Gallon net (180 L.)
- Electronic fuel injection system

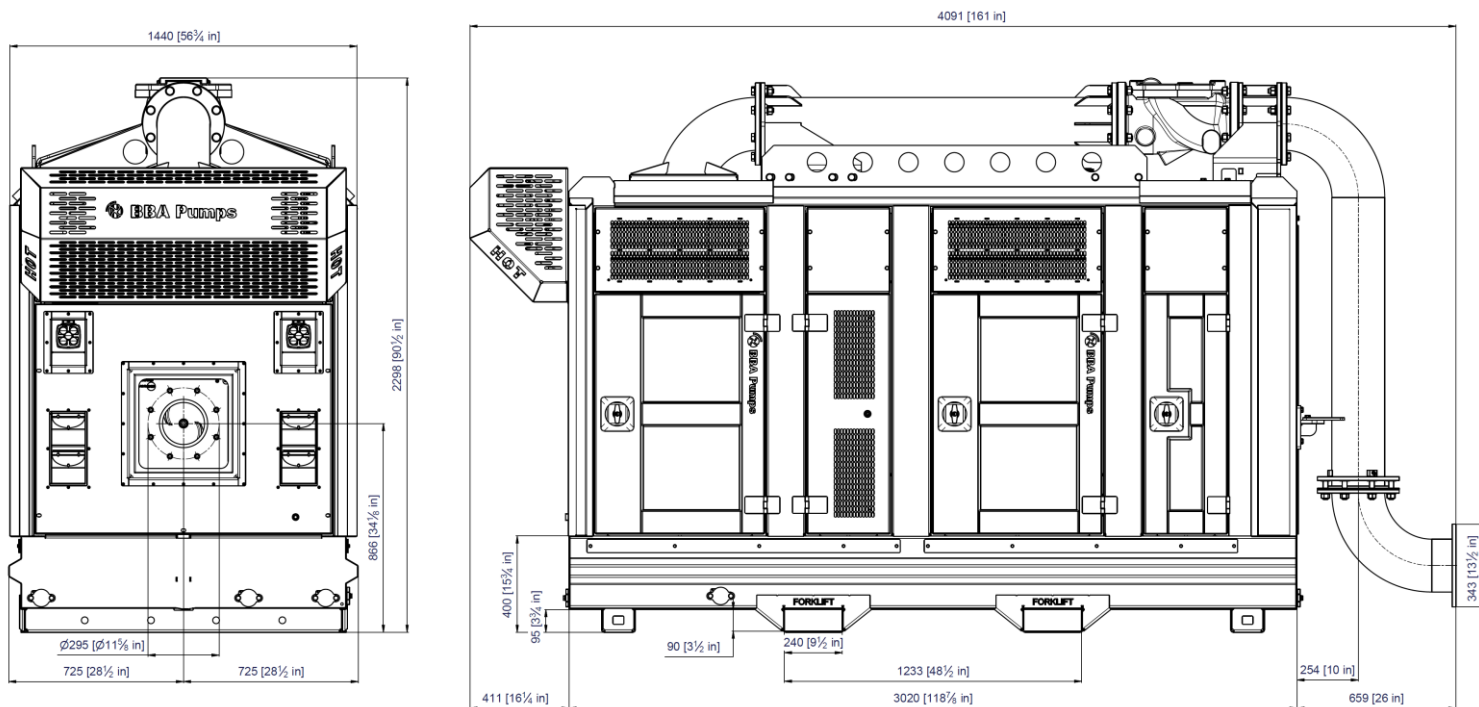
Electrical system & safety features

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

CANOPY M14-30 (discharge roof pipe)

BBA sound attenuating canopy

Canopy type.....	M14-30
Dimensions L x W x H	157.5 x 57 x 98.4 inch
Dimensions L x W x H	4000 x 1450 x 2500 mm
Basic frame.....	Hot dip galvanized
Doors	6 composite easy-access doors (lockable)
Fuel tank	Steel net 125 US gallon (475 ltr)
Fuel tank autonomy	14 hours (at 1800 rpm BEP)
Fuel tank cap	4 inch (100 mm)
Addblue® tank	PE net 48 US Gallon (180 ltr)
Forklift pockets.....	Fitted with 2 forklift pockets
Lifting point	Fitted with lifting points
Connections.....	Flange connections
Exhaust system	Muffler mounted on front canopy
Aftertreatment.....	Fully integrated in the canopy
Additional	Fitted with oil-water separator
Documentation box.....	BBA user manual and warranty book



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



Factory Acceptance Test
Extensive testing facility in-house. FAT must be conducted formally and be witnessed by the owner and/or project manager.



LED lights
Fully integrated in the canopy for easy operation throughout the evening and night.



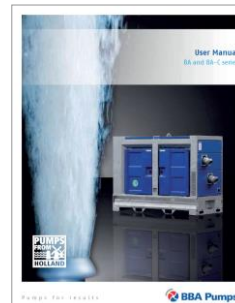
Large inspection covers
Easy access to float box, impeller and non-return valve.



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



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
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.

BA Series



6 inch Dewatering and Sewage Pumps



BA150E D285	6" Solids Handling Pump
Max. Flow	2200 US GPM / 500 m³/h
Max. Head	125 ft. / 54 PSI
Solids handling	3.15 inch / 80 mm
Operating point (BEP)	1600 US GPM @ 90 ft.
Priming system	MP50
Engine	Hatz 4H50TIC
Canopy	M10-23X
Dimensions L x W x H	90 x 41.3 x 63 inch 2300 x 1050 x 1600 mm
Fuel tank	80 US gallon / 300 l
Dry weight	3630 lbs. / 1650 kg



BA150E D285	6" Trailer Pump Package
Max. Flow	2200 US GPM / 500 m³/h
Max. Head	125 ft. / 54 PSI
Solids handling	3.15 inch / 80 mm
Operating point (BEP)	1600 US GPM @ 90 ft.
Priming system	MP50
Engine	Hatz 4H50TIC
Canopy	BBA galvanized trailer
Dimensions L x W x H	137 x 62 x 80 inch 3500 x 1600 x 2030 mm
Fuel tank	80 US gallon / 300 l
Dry weight	3685 lbs. / 1675 kg

Most Popular

Our 6" diesel driven dry prime pump has been the most popular in the BA series for many years. Available with sound attenuated canopy or simply as an open trailer pump package traffic.



BBA Pumps Wellpoint System



Table of Contents

		Page
1.1	Discharge pipes	59
1.2	Strainers	60
1.3	Quick couplings	61
1.4	Wellpoint systems	68
1.5	Non-return valves	70
1.6	Weir tank	71



BBA coupling TYPE B

Available in the sizes 4-8 inch.
Compatible with the bauer system.

BBA coupling TYPE A

Available in the size 12 inch.
Compatible with the Italian system.



1.1 Discharge pipes



1111 - HDPE poly pipes with fittings and clamps							
art.nr.	coupling	SDR	length	max. pressure	platform	BBA coupling	
	inch		ft	PSI	# pipes	# pipes	type
1050916	4	26	20	87	178		B
1223384	6	26	10	72	110		B
1223387	6	26	20	72	110		B
1051080	6	17	10	72	110		B
1051085	6	17	20	72	110		B
1051069	8	26	10	72	72		B
1051065	8	26	20	72	72		B
1051068	8	17	10	72	72		B
1051067	8	17	20	72	72		B
1301956	12	33	20	58	30		A



BBA Pumps was originally established as a manufacturer of pipes and couplings. Today - over sixty years and thousands of miles of piping later - we are the worldwide market leader in this product group.

Advantages

- Lightweight pipes simplify logistics at the construction site and in the field.
- Quick couplings are designed in-house and provide maximum user-friendliness.
- Only the highest quality HDPE is used, guaranteeing a long product life and excellent protection against the elements.
- HDPE has a minimal friction resistance which results in reduced energy requirements for the pump.



Pipe Rack 28305



1.2 Strainers

453 - Strainer, galvanized



art.nr.	∅ coupling		free passage		BBA coupling
	inch	mm	inch		type
3141744	4	108	0,6		B / male
3141746	6	159	0,8		B / male
3141748	8	216	0,8		B / male

456 - Sewage strainer, galvanized



art.nr.	∅ coupling		free passage		BBA coupling
	inch	mm	inch		type
3841864	4	108	1,2 x 6,3		B / male
3841866	6	159	1,6 x 7,5		B / male
3841868	8	216	2,4 x 7		B / male
3841857	12	300	2,8 x 9		A / female

155 - Sewage strainer hose fitting, galvanized



art.nr.	∅ coupling		free passage		
	inch	mm	inch		
3842004	4	100	1,2 x 6,3		
3842006	6	150	1,6 x 7,5		
3141175	8	200	2,4 x 7		
3141177	12	300	2,8 x 9		

460 - Strainer bin, galvanized



art.nr.	∅ coupling		free passage		BBA coupling
	inch	mm	inch		type
3842104	4	108	2 x 2		B / male
3842106	6	159	2 x 2		B / male
3842108	8	216	2 x 2		B / male
3842512	12	300	2 x 2		A / female

1.3 Quick couplings



419 - Elbow 90°, galvanized



art.nr.	∅ coupling		crate		BBA coupling
	inch	mm	# bends		type
3571413	4	108	32		B
3571415	6	159	12		B
3571416	8	216	12		B
3781863	12	300	-		A

421 - Elbow 45°, galvanized



art.nr.	∅ coupling		crate		BBA coupling
	inch	mm	# bends		type
3571423	4	108	48		B
3571425	6	159	18		B
3571426	8	216	18		B
3781867	12	300	-		A

433 - TEE male (ball / ball / cup), galvanized



art.nr.	∅ coupling		crate		BBA coupling
	inch	mm	# pieces		type
3591467	4	108	16		B
3591469	6	159	12		B
3591470	8	216	4		B
3792107	12	300	-		A

434 - TEE female (cup / cup / ball), galvanized



art.nr.	∅ coupling		crate		BBA coupling
	inch	mm	# pieces		type
3591873	4	108	21		B
3591875	6	159	12		B
3591876	8	216	8		B
3792102	12	300	-		A

1.3 Quick couplings

437 - WYE male (ball - ball - cup), galvanized



art.nr.	∅		crate		BBA coupling
	inch	mm	# pieces	type	
3221383	4	108	8	B	
3221386	6	159	6	B	
3221388	8	216	6	B	
3221379	12	300	-	A	

438 - WYE female (cup - cup - ball), galvanized



art.nr.	∅		crate		BBA coupling
	inch	mm	# pieces	type	
3221394	4	108	12	B	
3221396	6	159	9	B	
3221398	8	216	6	B	
3221381	12	300	-	A	

432 - End plug male (ball), galvanized



art.nr.	∅		crate		BBA coupling
	inch	mm	# plugs	type	
3561425	4	108	36	B	
3561427	6	159	45	B	
3561429	8	216	36	B	
3762007	12	300	-	A	

431 - End plug female (cup), galvanized



art.nr.	∅		crate		BBA coupling
	inch	mm	# plugs	type	
3561419	4	108	224	B	
3561421	6	159	120	B	
3561431	8	216	96	B	
3762002	12	300	-	A	

1.3 Quick couplings



439 - Reversing piece male (ball - ball), galvanized



art.nr.	∅		crate		BBA coupling
	inch	mm	# pieces	type	
3651484	4	108	12	B	
3651486	6	159	7	B	
3651488	8	216	6	B	
3851602	12	300	-	A	

440 - Reversing piece female (cup - cup), galvanized



art.nr.	∅		crate		BBA coupling
	inch	mm	# pieces	type	
3651494	4	108	56	B	
3651496	6	159	30	B	
3651498	8	216	12	B	
3851607	12	300	-	A	

429 - Reducer - enlarger , galvanized



art.nr.	∅ (female x male)		crate		BBA coupling
	inch	mm	# pieces	type	
3661514	6 x 4	159 x 108	12	B	
3661515	8 x 6	216 x 159	6	B	

430 - Reducer - enlarger, galvanized



art.nr.	∅ (male x female)		crate		BBA coupling
	inch	mm	# pieces	type	
3661506	6 x 4	159 x 108	12	B	
3661508	8 x 6	216 x 159	6	B	

1.3 Quick couplings

417 - Hose fitting (ball), galvanized



art.nr.	∅ coupling		∅ spigot	crate	BBA coupling	
	inch	mm	mm	# connections	type	
3581447	4	108	100	36	B	
3581449	6	159	150	12	B	
3581450	8	216	200	11	B	
1771481	12	300	300		A	

415 - Hose fitting (cup) galvanized



art.nr.	∅ coupling		∅ spigot	crate	BBA coupling	
	inch	mm	mm	# connections	type	
3581457	4	108	100	56	B	
3581459	6	159	150	30	B	
3581468	8	216	200	12	B	
3771493	12	300	100		A	

401 - Lever ring, black steel



art.nr.	∅		BBA coupling	
	inch	mm	type	
3551389	4	108	B	
3551391	6	159	B	

408 - O-ring rubber (set, 10 pieces)



art.nr.	∅ coupling		BBA coupling	
	inch	mm	type	
3691407SP	4	108	B	
3691409SP	6	159	B	
3691410SP	8	216	B	
3891489SP	12	300	A	

1.3 Quick couplings



446 - Thread piece male (ball) - outer thread, galvanized



art.nr.	∅ couplings		∅ outer thread	crate	BBA coupling	
	inch	mm	inch	# pieces	type	
3612489	4	108	4	32	B	
3612490	6	159	6	22	B	
3612491	8	216	8	12	B	

447 - Thread piece female (cup) - outer thread, galvanized



art.nr.	∅ couplings		∅ outer thread	crate	BBA coupling	
	inch	mm	inch	# pieces	type	
3612492	4	108	4	84	B	
3612493	6	159	6	45	B	
3612494	8	216	8	24	B	

448 - Thread piece male (ball) - inner thread, galvanized



Art.nr.	∅ couplings		∅ inner thread	crate	BBA coupling	
	inch	mm	inch	# pieces	type	
3612495	4	108	4	16	B	
3612496	6	159	6	8	B	
3612497	8	216	8	6	B	

449 - Thread piece female (cup) - inner thread, galvanized



art.nr.	∅ couplings		∅ inner thread	crate	BBA coupling	
	inch	mm	inch	# pieces	type	
3612498	4	108	4	84	B	
3612499	6	159	6	45	B	
3612500	8	216	8	24	B	

442 - Flange piece male (ball) - BBA, galvanized



art.nr.	∅ coupling		Flange (holes)	crate	BBA coupling	
	inch	mm		# pieces	type	
3611455	4	108	K180 (8)	15	B	
3611457	6	159	K240 (8)	8	B	
3611458	8	216	K295 (8)	6	B	
3811503	12	300	K400 (12)		A	

1.3 Quick couplings

444 - Flange piece female (cup) - BBA, galvanized



art.nr.	∅ coupling		flange (holes)	crate # pieces	BBA coupling	
	inch	mm			type	
3611461	4	108	K180 (8)	45	B	
3611463	6	159	K240 (8)	24	B	
3611466	8	216	K295 (8)	12	B	
3811513	12	300	K400 (120)		A	

458 - Flange piece male (ball) - ANSI, galvanized



art.nr.	∅ coupling		flange (holes)	crate # pieces	BBA coupling	
	inch	mm			type	
3612474	4	108	K190.5 (8)	15	B	
3612476	6	159	K241.5 (8)	11	B	
3612478	8	216	K298.5 (8)	6	B	
3811527	12	300	K431.8 (12)		A	

459 - Flange piece - ANSI, galvanized



art.nr.	∅ coupling		flange (holes)	crate # pieces	BBA coupling	
	inch	mm			type	
3612484	4	108	K190.5 (8)	69	B	
3612486	6	159	K241.5 (8)	33	B	
3612488	8	216	K298.5 (8)	12	B	
3811522	12	300	K431.8 (12)		A	

801 - Ring gasket



art.nr.	∅ coupling	
	inch	mm
3401915	4	108
3401917	6	159
3401918	8	216

803 - Flange gasket - ANSI



art.nr.	∅ coupling		flange (holes)
	inch	mm	
3401940	4	108	K191 (8)
3401941	6	159	K241 (8)
3401942	8	216	K298.5 (8)

1.3 Quick couplings

Square flange - 30° male (ball / lever), galvanized



art.nr.	∅ coupling		pump series	BBA coupling	
	inch	mm		type	
3111412	4	100	PT	B	
5080878	4	100	BA	B	
5080881	6	150	PT / BA	B	
5080909	8	200	BA	B	

Square flange - 30° female (cup), galvanized



art.nr.	∅ coupling		pump series	BBA coupling	
	inch	mm		type	
3111411	4	100	PT	B	
5080879	4	100	BA	B	
5080876	6	150	PT / BA	B	
5080913	8	200	BA	B	

Square flange - 30° ANSI flange, galvanized



art.nr.	∅ coupling		pump series	BBA coupling	
	inch	mm		type	
5080871	4	100	BA	B	
5080873	6	150	BA	B	
5080899	8	200	BA	B	

1.4 Wellpoint system "TUNE"

1210 - Header pipes HDPE system "TUNE"



art.nr.	Ø coupling		length	branch	bundle	platform
	inch	mm				
1221055	6	160	10	3	10	110
1221050	6	160	20	5	10	110
20483	8	216	20	10	8	64

1290 - Plug



art.nr.	type	Ø branch
		inch
11421341	conical rubber branch plug	2

0000 - BBA swingarm



art.nr.	length
	ft
7054160	Wellpoint swingarm tune incl. ball valve
	3,5

Grommet



art.nr.	
11421322	Grommet for BBA Wellpoint Swingarm



1.4 Wellpoint filters BBA Pumps shock proof



1402 - Vacuum wellpoint filter PVC (shock proof) with flat bottom



art.nr.	Ø (outer)	length	perforation length	perforation	bundle	platform
		ft	ft	thou	# pipes	# pipes
11116920	2	3,3	3,3	11,8	120	600
11117003	2	19,7	3,3	11,8	120	600
11117079	2	29,7	3,3	11,8	120	600

1403 - Vacuum wellpoint filter PVC (shock proof) with point bottom and drop tube



art.nr.	Ø (outer)	length	perforation length	perforation	bundle	platform
		ft	ft	thou	# pipes	# pipes
11117129	2	3,3	3,3	11,8	120	600
11117136	2	29,7	3,3	11,8	120	600

0000 - Glue coupling

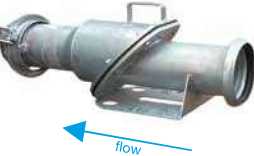


art.nr.	Ø (inner)	adapter	colour
		ft	
11275008	2 - 2	BBA to BBA	grey
11106030	2 - 1,8 (US pvc)	BBA to PVC	blue



1.5 Portable non-return valve

463 - "Handy" non-return valve female (cup) x male (ball), galvanized



art. nr.	ø		max. pressure	max. flow	BBA coupling	
	inch	mm	PSI	US GPM	type	
9051334	4	108	58	600	B	
9051336	6	159	58	1550	B	
	8	216	44	2650	B	
9051332	12	300	44	5000	A	
9051356	4	108	Rubber valve for BBA non-return valve			B
9051358	6	159	Rubber valve for BBA non-return valve			B

Please check flow direction.

BBA "Handy" non-return valve


Our BBA "Handy" non-return valve is made of a robust steel casing and a low-maintenance rubber discs valve. The complete assembly is light weight, portable, stackable and has a sturdy base plate. The non-return valve can be used when several pumps are connected to one discharge line like pipe-line dewatering.



1.6 Weir tank



466 - Weir tank 10-23, galvanized



art. nr.	max. flow	L x W x H		BBA coupling	
		inch		type	
US-SC-001	500	89 x 41.3 x 60.4		B	

BBA Weir Tank

Portable sand collectors - small weir tanks - optimize your pump system during wellpoint dewatering projects. In addition to the setting and separation of sand present in the groundwater, the BBA weir tank also act as a deaerator.

Suitable for:

- Wellpoint dewatering.
- Horizontal sock dewatering.
- Soil remediation.
- Soil drilling.



Drainage

Four drainage points, with one on each side ensures good drainage.



Mobility

Detachable lifting beam and extendable partition. Equipped as standard with two forklift pockets.



Separator

Prevents sand entering the discharge.



Flanges

Standard square flanges for mounting quick couplings designed for the system. (the connecting parts are optional)