


Pump specifications:

Type.....	BA100E D265
Max. flow	265 m ³ /hour (1166 US GPM)
Max. pressure.....	35 mwc (117 ft.)
Connections.....	DN100 (4")
Solids handling	80 mm (3,15")
Impeller type	Semi-open impeller
Priming system	BBA MP50
Engine	Perkins 404D-22
Emission compliant.....	Stage IIIA
Canopy	M10-23X
Sound level.....	64 dB(A) at 10 m
Dry weight.....	1600 kg (3527 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
- 100% Oil-spill free priming system
- Fully bunded unit eliminating fuel/oil spills at all times

Complete package designed & built by BBA Pumps

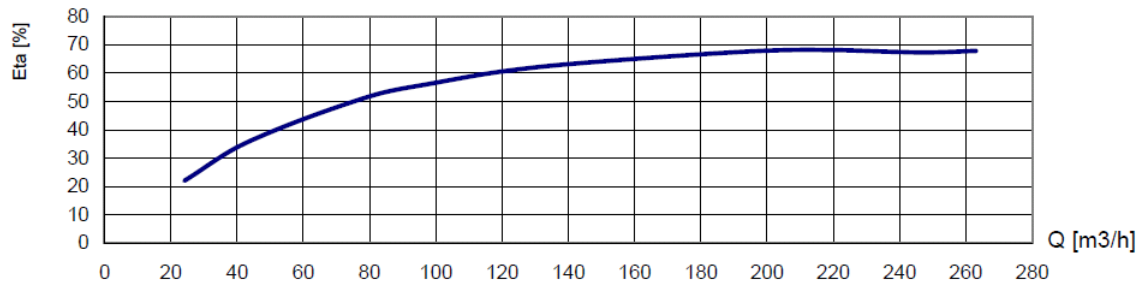
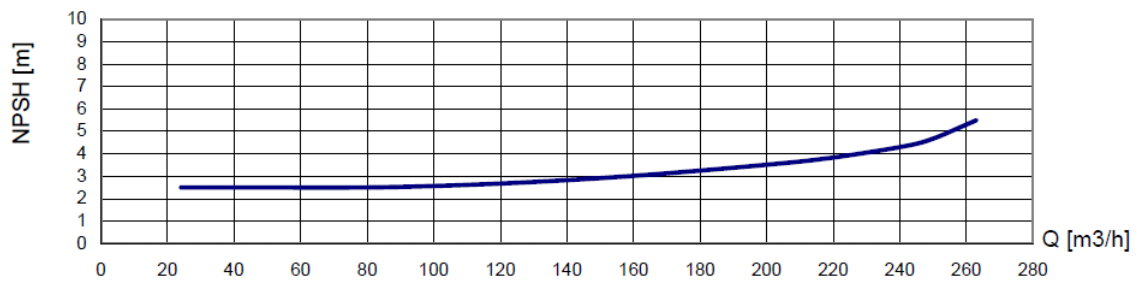
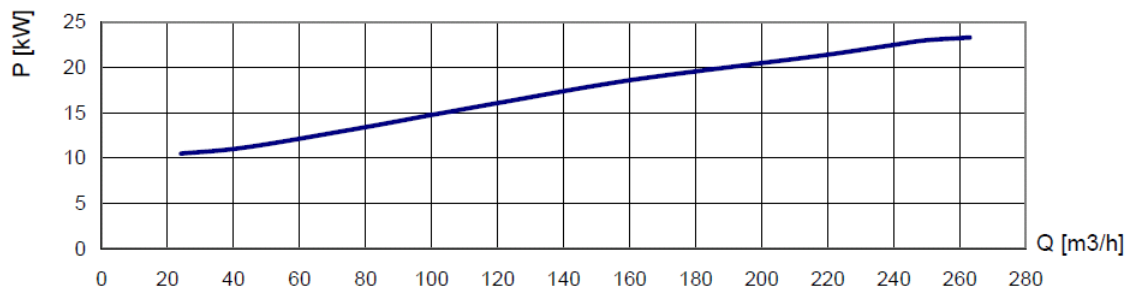
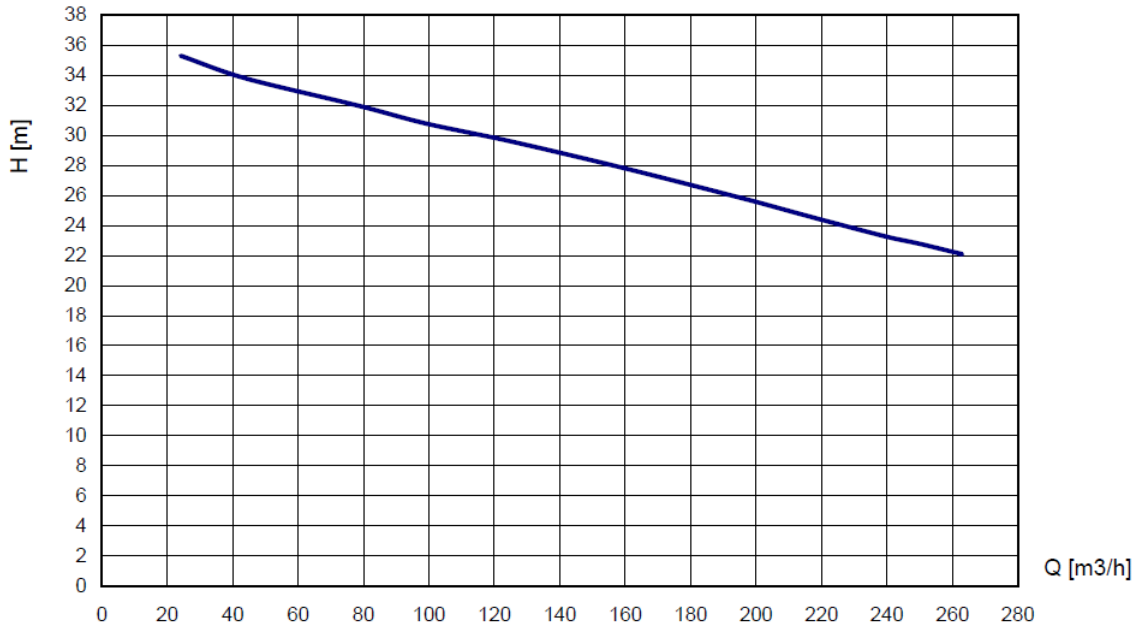
- Complete in-house design & production
- Over 60 years of experience in the market
- Extensive testing facility in-house
- Contemporary & functional design
- Durable & eco-friendly materials
- Custom builds available

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 (1800 RPM)

Continuous duty according ISO 9906

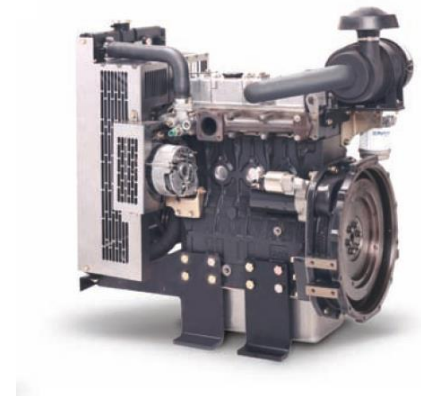


STANDARD TECHNICAL SPECIFICATIONS
BBA auto prime pump

Pump type.....	BA100E D265
Max. flow.....	265 m ³ /hour (1166 US GPM)
Max. head.....	35 mwc (117 feet)
Impeller type.....	Semi-open impeller
Solids handling.....	80 mm (3,15 inch)
Pump casing.....	Cast iron GG20
Impeller.....	Chrome Moly 42CrM04
Self-cleaning wear plate.....	Chrome Moly 42CrM04 (cutter slots)
Pump shaft.....	42CrV6
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.....	Perkins
Engine type.....	404D-22
Flywheel power.....	26 kW (35 Hp)
Max. engine speed.....	1500 – 1800 RPM
Fuel consumption.....	243 g/kWh
Displacement.....	2.2 l
Number of cylinders.....	4
Cooling system.....	Water cooled
Emission level.....	Stage IIIA – Tier 4i equivalent

BBA 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

- PE fuel tank 300 L. net (80 US gallons)
- Fuel gauge on tank
- Mechanical fuel injection system
- Fitted with water separator & extra in-line fuel filter

Electrical system & safety features

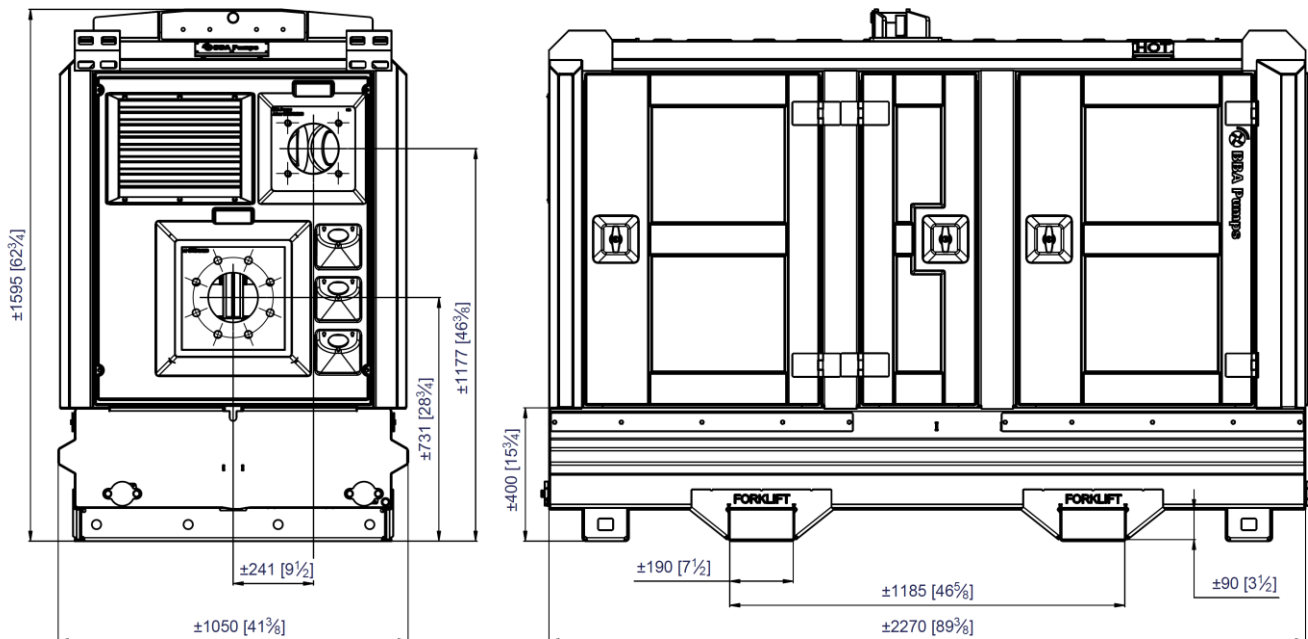
- Premium quality battery
- Low oil pressure shut down
- High temperature shut down

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
Doors	6 lockable composite doors
Fuel tank	PE net 300 liters (80 US gallons)
Fuel tank autonomy	40 hours (at 1800 rpm BEP)
Fuel tank cap	100 mm (4 inch)
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.



Semi-open impeller
Corrosion and abrasion resistant pump impeller made of chrome moly (42CrM04) alloy.



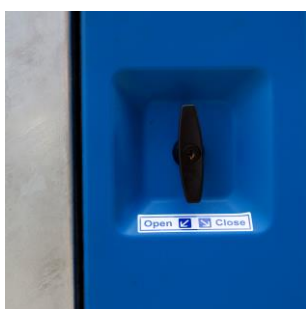
Large inspection covers
Easy access to float box, impeller and non-return valve.



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.

Pump specifications are subject to change without prior notice to improve reliability or design.


AUXILIARY ITEMS
M10-23 Kit

93050002	M10-23 Kit	
	- K0 Oil drain pump	
	- External fuel tank connections	
	- Battery kill switch	


Discharge connections

Art.nr.		Ø inch	Ø mm	Connection	
5080880	30°	4	100	Flange K180	
5080873	30°	6	200	Flange K295	
5080874	30° male (ball)	4	100	System C	
5080878	30° male (ball/lever)	4	100	System B	
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	
5080893	30°	4	100	Flange K180	
5080884	30°	6	150	Flange K240	
5080891	30° male (ball)	4	100	System C	
5080885	30° female (cup)	4	100	System B	
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	
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	
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"	5"	6"	8"	10"	12"
90	397	25	3.18	2.04	1.41	0.80	0.51	0.35
108	475	30	3.82	2.44	1.70	0.95	0.61	0.42
144	634	40	5.09	3.26	2.26	1.27	0.81	0.57
180	793	50	6.37	4.07	2.83	1.59	1.02	0.71
216	951	60	7.64	4.89	3.40	1.91	1.22	0.85
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