



Pump specifications:

Type.....	BA100E D265
Max. flow	265 m ³ /hour (1166 US GPM)
Max. pressure.....	35 mwc (117 ft.)
Connections.....	DN 100 (4")
Solids handling	80 mm (3,15")
Impeller type	Semi-open impeller
Priming system	BBA MP50
Engine	Perkins 404D-22
Canopy	M10-23
Weight (net).....	1600 kg (3527 lb.)
Sound level.....	61 dB(A) at 10m

FEATURES

BA auto prime pump

The BA range of pumps have 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
- Emissions in accordance with EU stage & US EPA Tier regulations
- Corrosion free hot dip galvanised canopy
- Corrosion free composite door panels and powder coated plating
- 100% Oil-spill free priming system
- Fully banded unit eliminating fuel/oil spills at all times

Complete package designed & built by BBA Pumps

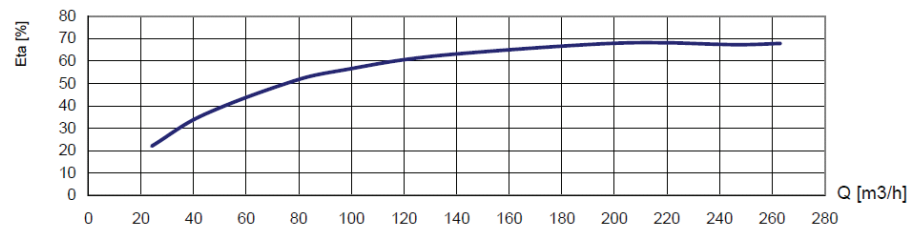
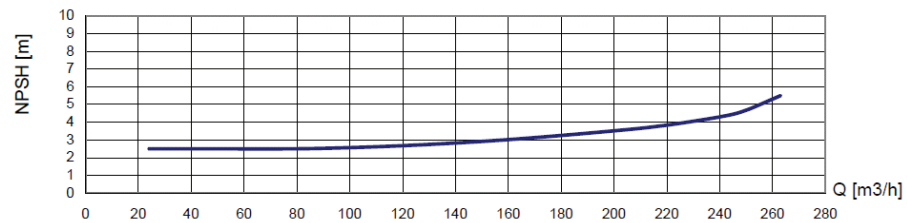
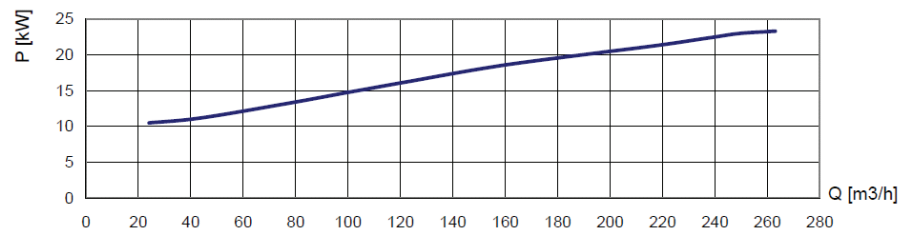
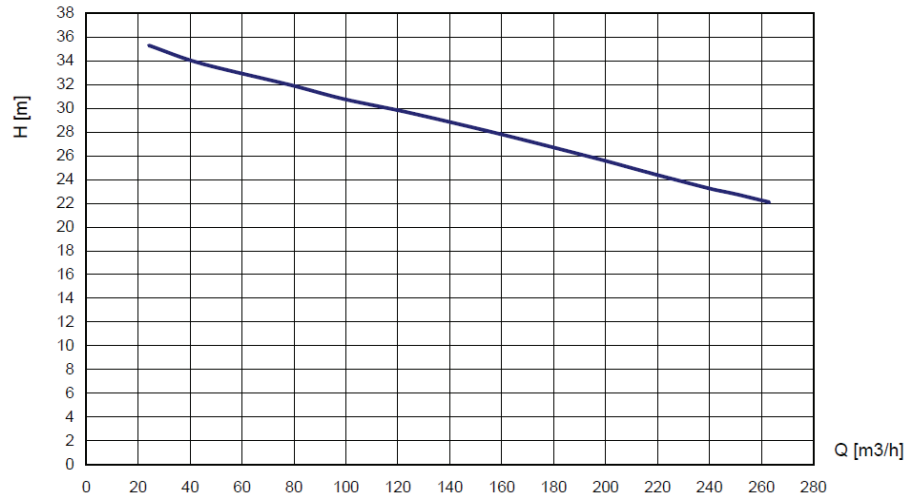
- Complete in-house design & production
- Over 60 years of experience in the market
- Extensive testing facility in-house
- Contemporary & functional design
- Durable & eco-friendly materials
- Custom builds available

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



Engine speed rpm		Capacity Q in m ³ /h				Fuel consumption (BEP) l/h
		100	150	200	250	
1800	H	30	28	25	22	7
1700	mwc	26	25	22	19	6
1600		23	22	19	17	5
1500		20	19	17	15	4

STANDARD TECHNICAL SPECIFICATIONS

BBA auto prime pump

Pump type..... BA100E D265
 Max. flow..... 265 m³/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
 Wear plate..... Chrome Moly 42CrM04
 Pump shaft..... C45
 Shaft seal..... Mechanical seal 60mm (2.36 inch)
 Seal faces..... Sic/Sic
 O-ring..... Viton

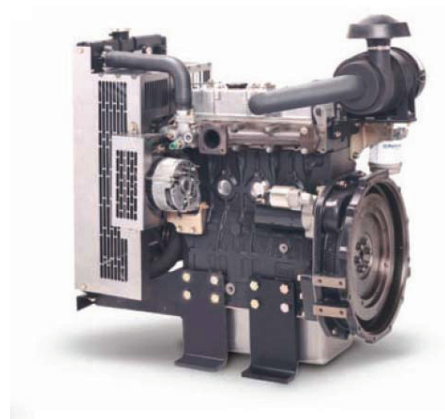


BBA priming system

Pump type..... BBA MP50 Diaphragm pump
 Air handling capacity..... 50 m³/h (30 CFM)
 Max. vacuum..... 8.5 m (29 inHg)
 Drive..... Toothed belt (continuous drive)
 Float box..... St 37 hot dip galv.
 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
 Exhaust emission EU..... Stage IIIB
 Exhaust emission US..... Tier 4i



BBA control panel LC06

- Auto start/stop system
- Two float switches included (10m cable)
- Switch Manual-0-Auto
- Tachometer
- Hour counter
- Warning light "oil temperature"
- Warning light "alternator"



Fuel system

- PE fuel tank 300 L. net (80 US Gallon)
- Fuel tank cap Ø 100 mm
- Fuel gauge on tank
- Mechanical fuel injection system
- Fitted with water separator & extra in-line fuel filter

Electrical system & safety features

- Nominal voltage 12 Volt
- Premium quality battery 92 amp.
- Low oil pressure shut down
- High temperature shut down

CANOPY M10-23

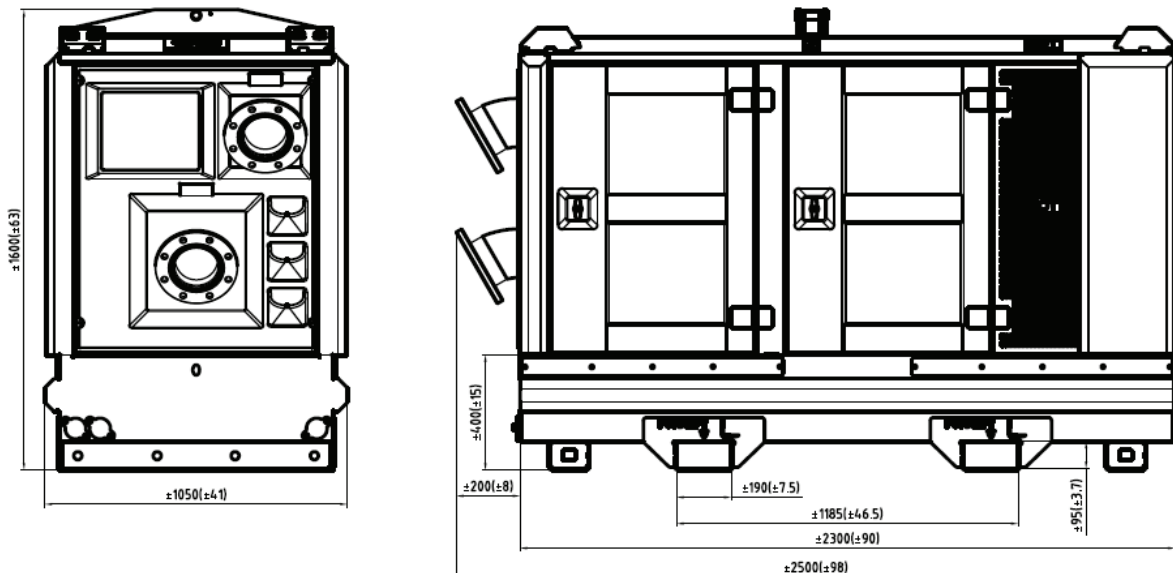
BBA sound attenuating canopy

Canopy type.....	M10-23
Dimensions L x W x H	2270 x 1050 x 1533 mm
Dimensions L x W x H	89.4 x 41.3 x 60.4 inch
Basic frame.....	Hot dip galvanised
Panels	ABS/ASA
Doors	4 Easy-access doors (lockable)
Fuel tank.....	PE net 300 ltr (80 US Gallon)
Fuel tank autonomy	40 hours (at 1800 rpm BEP)
Fuel tank cap	100mm (4 inch)
Forklift pockets	Fitted with 2 forklift pockets
Lifting point	Fitted with single lifting point
Stackable	Canopy is stackable
Oil drain pump	Please consult "auxiliary items" in overleaf
Connections.....	Please consult "auxiliary items" in overleaf
Exhaust system	Fully integrated in canopy
Radiator box	Fitted with quick release system for easy cleaning
Additional	Fitted with oil-water separator



BBA E-lift® system

The M10-23 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 Chrome Moly (42CrM04) alloy.



Easy to clean canopy
The units are silenced without using sound-dampening materials, allowing the canopies to be cleaned with a pressure washer.



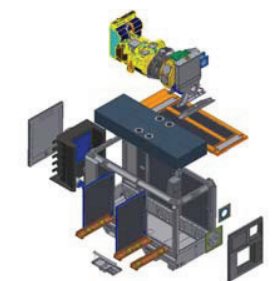
Easy inspection
Oil glasses, drain valves and fill plugs are all easily accessible.



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



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



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.




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




Interchangeable parts.
Modular construction to ensure minimal spare part stock levels.

Pictures used are for illustration purposes only.


AUXILIARY ITEMS
M10-23 Kit

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


Discharge connections

Art.nr.		Ø inch	Ø mm	Connection	
05080880	30°	4	100	Flange K180	
05080873	30°	6	200	Flange K295	
05080874	30° male (ball)	4	100	System C	
05080878	30° male (ball/lever)	4	100	System B	
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	
05080893	30°	4	100	Flange K180	
05080884	30°	6	150	Flange K240	
05080891	30° male (ball)	4	100	System C	
05080885	30° female (cup)	4	100	System B	
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	
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	
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
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