


**Pump specifications:**

Type.....	BA100E D265
Max. flow .....	285 m <sup>3</sup> /hour (1254 US gpm)
Max. pressure .....	41 mwc (135 ft.)
Solids handling .....	80 mm (3,15")
Impeller type .....	Semi-open impeller
Priming system .....	BBA MP50
Engine .....	Hatz 3H50TICD
Emission level.....	Stage V
Canopy .....	M10-23X
Connections.....	4" or 6"
Sound level LPA.....	63 dB(A) at 10 m
Dry weight.....	1600 kg (3520 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**

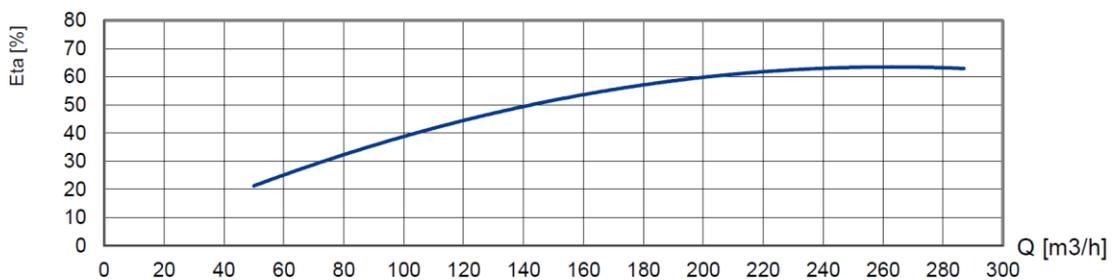
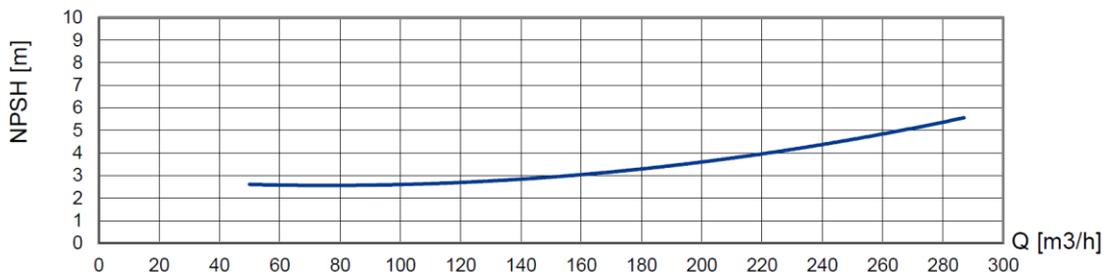
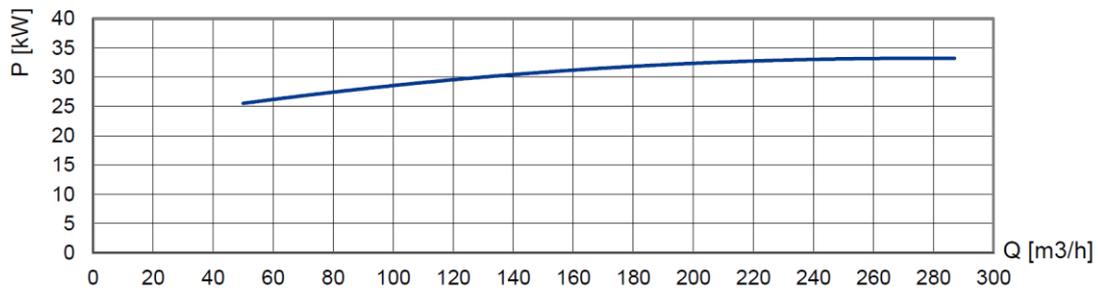
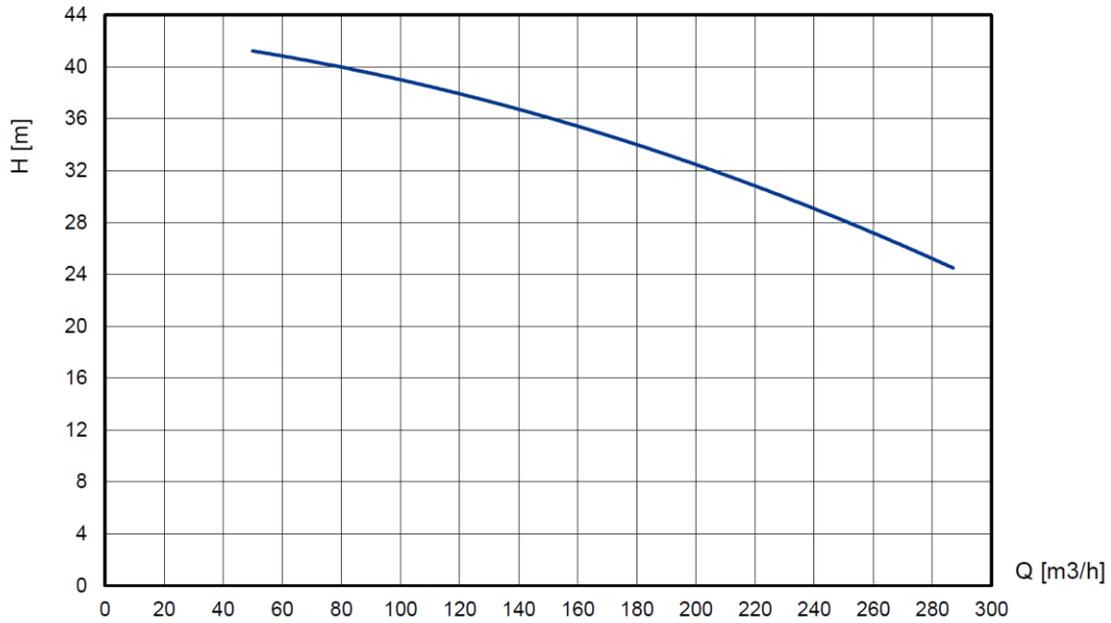
- Complete in-house design & production
- Over 70 years of experience in the market
- Extensive testing facility in-house
- Contemporary & functional design
- Durable & eco-friendly materials
- Custom builds available

**After sales service & product support**

- Single supplier for parts, spares & accessories
- Dedicated customer help-desk (24h service)
- Dedicated service department in-house
- Global parts distribution network
- Optional global on-site servicing
- Extensive training options available (technical & commercial), on-site or in-house

## PERFORMANCE CURVES (2100 RPM)

Continuous duty according ISO 9906



**STANDARD TECHNICAL SPECIFICATIONS**
**BBA auto prime pump**

Pump type.....	BA100E D265
Max. flow.....	285 m <sup>3</sup> /hour (1254 US gpm)
Max. head.....	41 mwc (135 feet)
Impeller type.....	Semi-open impeller
Solids handling.....	80 mm (3.15 inch)
Pump casing.....	Cast iron GG25
Impeller.....	Chrome Moly 42CrM04
Self-cleaning wear plate.....	Chrome Moly 42CrM04 (cutter slots)
Pump shaft.....	42CrMo4 heat treated
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 <sup>3</sup> /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.....	3H50TICD
Max. power IFN.....	43,7 kW (59 Hp)
Variable engine speed.....	1300 - 2100 RPM
Fuel consumption.....	225 g/kWh
Displacement.....	1,464 cm <sup>3</sup>
Number of cylinders.....	3
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**

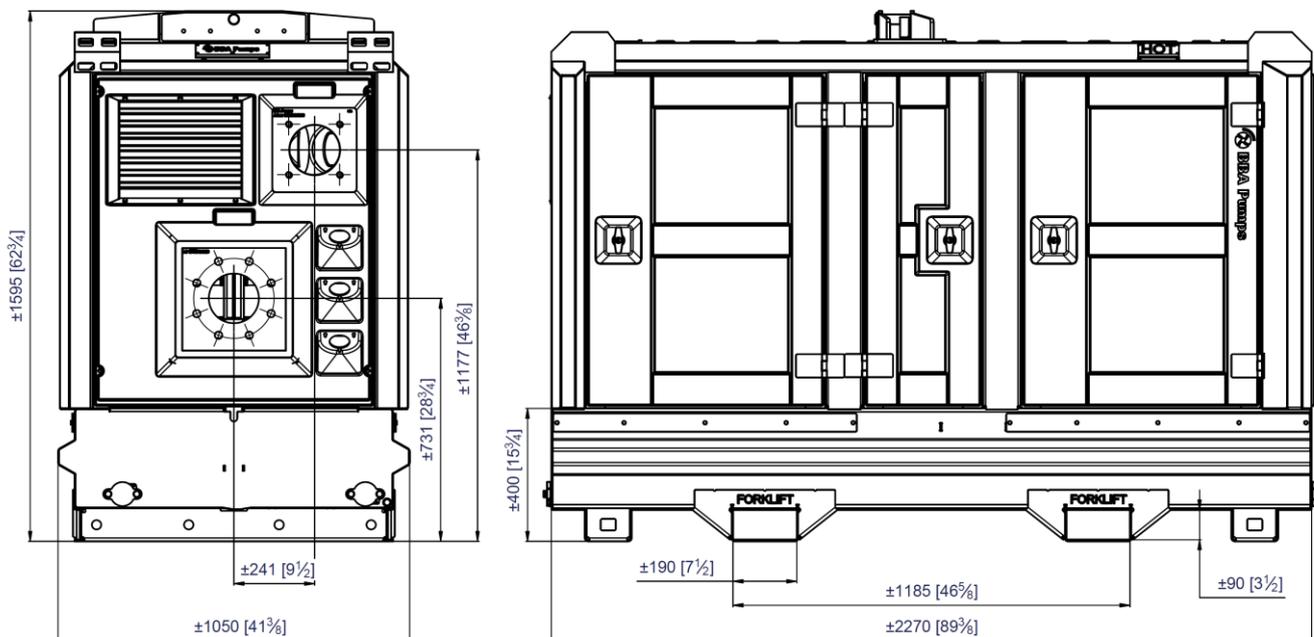
- Nominal voltage 12 Volt
- Premium quality battery
- Low oil pressure shut down

**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
Doors .....	5 lockable composite doors
Fuel tank .....	PE net 300 ltr (80 US Gallon)
Fuel tank autonomy .....	30 hours (at 2100 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
Sound power level (L <sub>WA</sub> ).....	92 dB(A) according ISO 3744:2010
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 Chrome Moly (42CrM04) alloy.



**Fuel tank**  
Fully bonded, 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.



**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.

Pictures used are for illustration purposes only.

**AUXILIARY ITEMS**
**Discharge connections**

Art.nr.		Ø inch	Ø mm	Connection	
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	
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	

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

M3/H	US gallons	FLOW (L/sec)	4"	5"	6"	8"	10"	12"
			100	125	150	200	250	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