



**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**

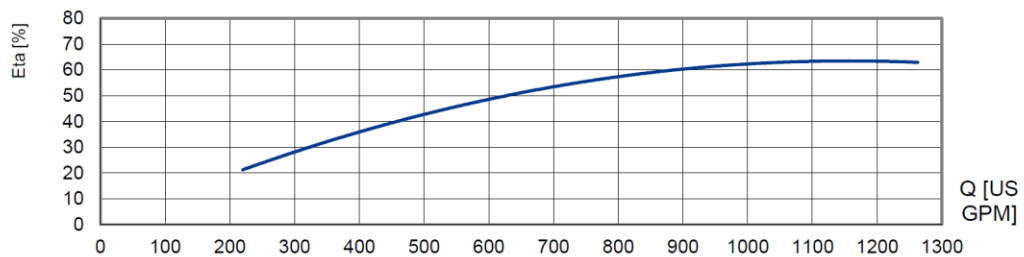
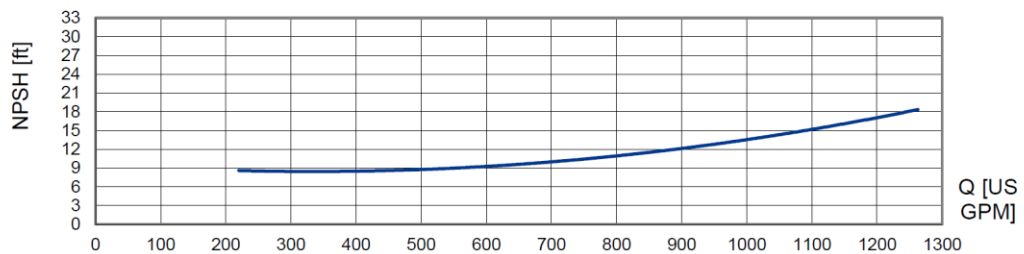
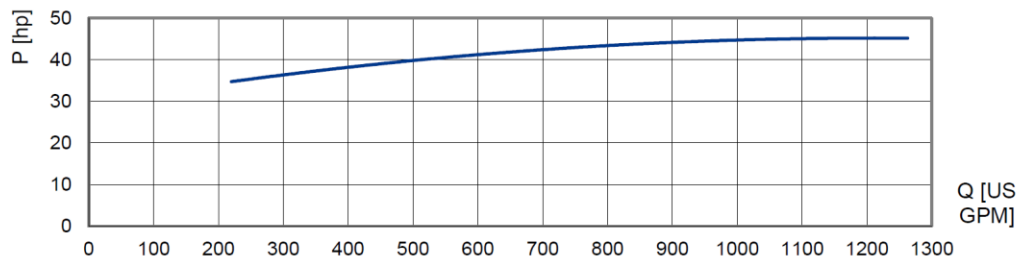
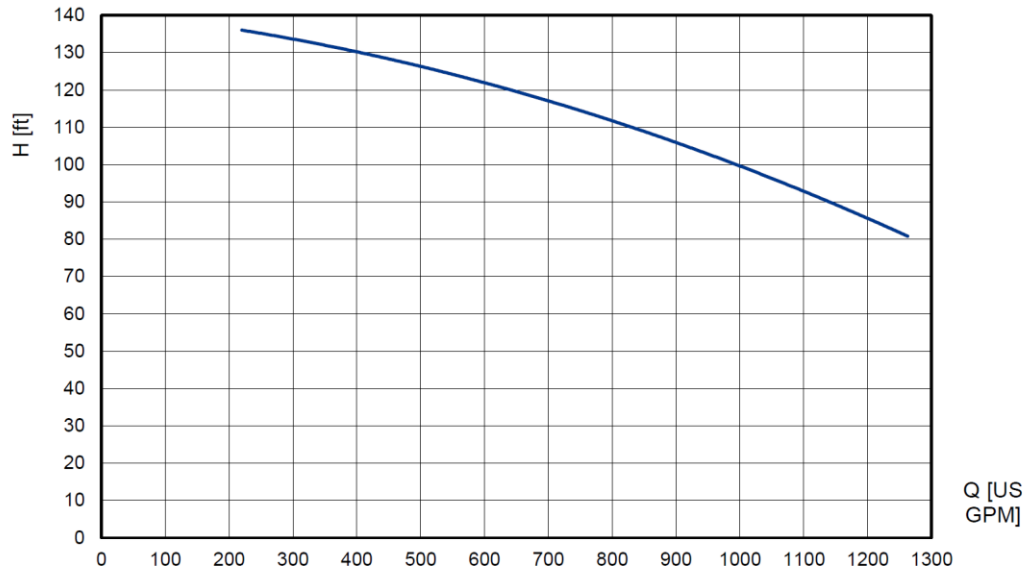
- Complete in-house design & production
- Over 60 years of experience in the market
- Extensive testing facility in-house
- Contemporary & functional design
- Durable & eco-friendly materials
- Custom builds available

**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 (2100 RPM)

Continuous duty according ISO 9906



## STANDARD TECHNICAL SPECIFICATIONS

### BBA auto prime pump

Pump type.....	BA100E D265
Max. flow.....	1255 US gpm (285 m³/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.....	42CrV6
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 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.....	Hatz
Engine type.....	3H50TIC
Max. power output.....	59 Hp (43.7 kW)
Variable speed.....	1300 - 2100 RPM
Displacement.....	1.5 l
Number of cylinders.....	3
Aftertreatment.....	EGR, DOC
Exhaust emission US.....	EPA Tier 4 final

### 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



### 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

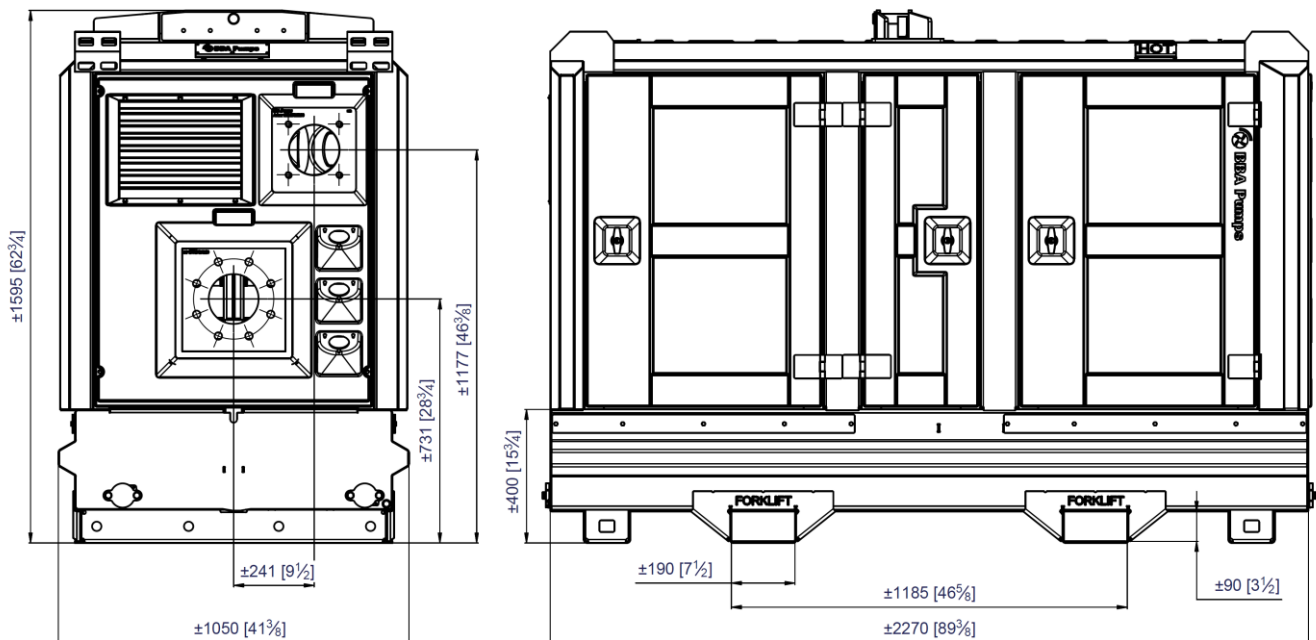
## CANOPY M10-23X

### 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
Doors .....	6 lockable composite doors
Fuel tank .....	PE net 80 US Gallon (300 ltr)
Fuel tank autonomy .....	30 hours (at 2100 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.



**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.




## 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" 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