


Pump specifications:

Type.....	BA100E D265
Max. flow	1255 US gpm (285 m ³ /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 L _{PA}	65 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
- 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

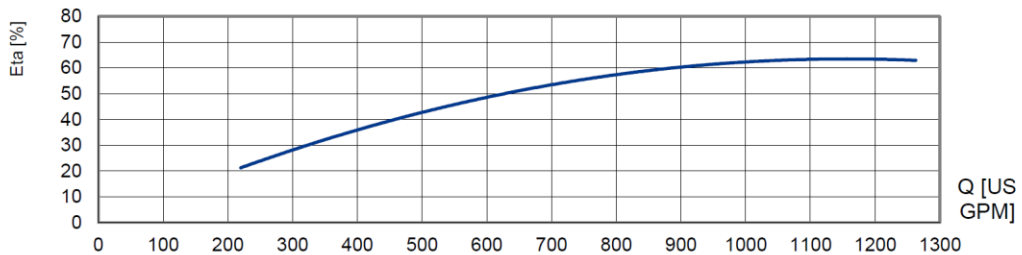
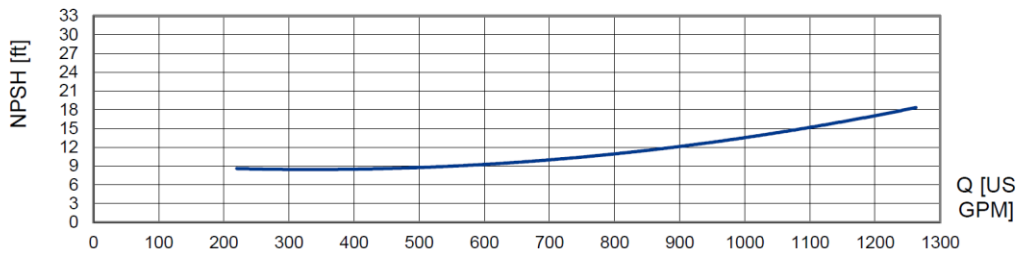
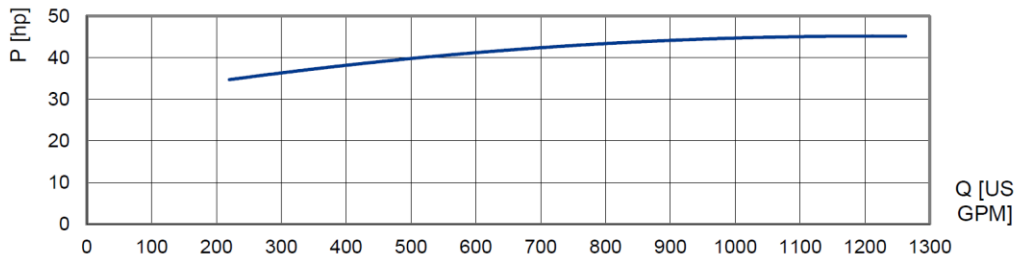
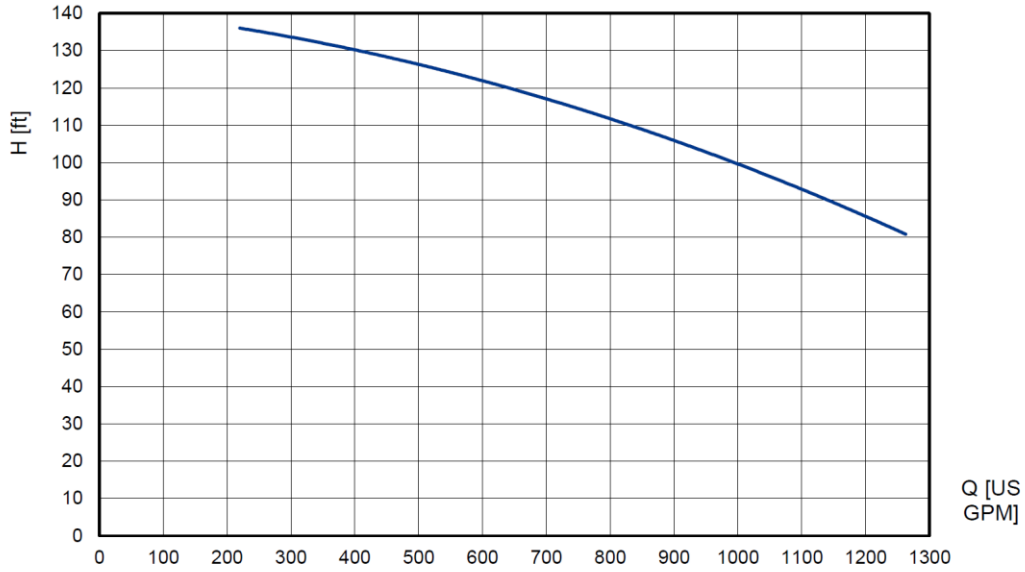
- Complete in-house design & production
- Over 70 years of experience in the market
- Extensive testing facility in-house
- Contemporary & functional design
- Durable & eco-friendly materials
- Custom builds available

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..... 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 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 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

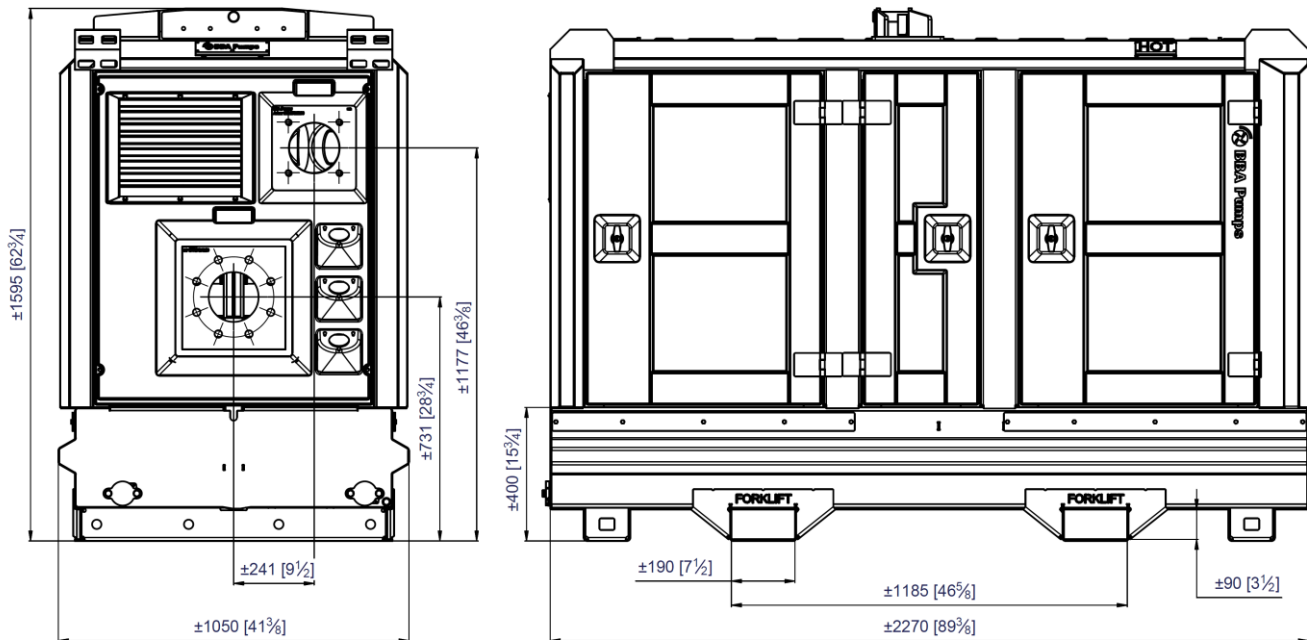
CANOPY M10-23X

BBA sound attenuating canopy

- Canopy type.....M10-23X
- Dimensions L x W x H89.4 x 41.3 x 62.8 inch
- Dimensions L x W x H2270 x 1050 x 1595 mm
- Basic frame.....Hot dip galvanized
- Doors6 lockable composite doors
- Fuel tankPE net 80 US gallon (300 ltr)
- Fuel tank autonomy30 hours (at 2100 rpm BEP)
- Fuel tank cap4 inch (100mm)
- Forklift pockets.....Fitted with 2 forklift pockets
- Lifting pointFitted with single lifting point
- StackableCanopy is stackable
- Exhaust systemFully integrated in canopy
- AdditionalFitted with oil-water separator and battery isolator switch
- Connections.....Please consult “auxiliary items” in overleaf
- Sound power level (L_{WA}).....94 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.



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