


Pump specifications:

Type.....	BA100K D193
Max. flow	750 US gpm (170 m ³ /hour)
Max. pressure.....	56 ft. / 24 PSI (17 mwc)
Solids handling	3,23" (82 mm)
Impeller type	Channel impeller
Priming system	BBA MP50
Engine	Hatz 1D90E DriveOn®
Emission level.....	Tier 4 final
Canopy	M10-18
Connections.....	4" or 6"
Sound level L _{PA}	50 dB(A) at 33 ft.
Dry weight.....	3223 lbs. (1465 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

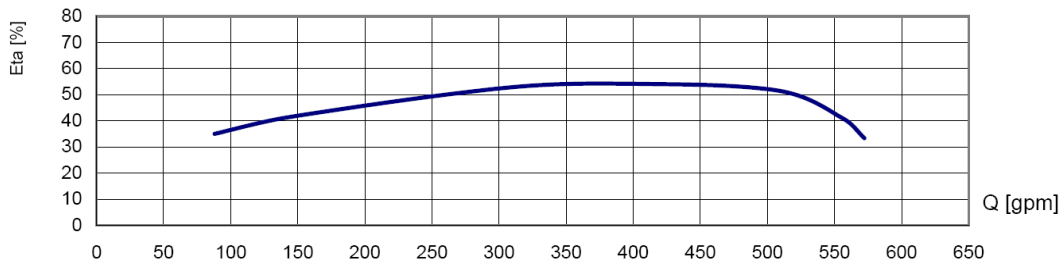
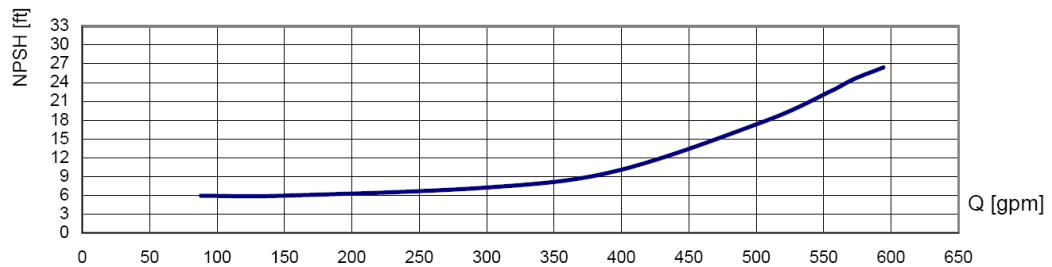
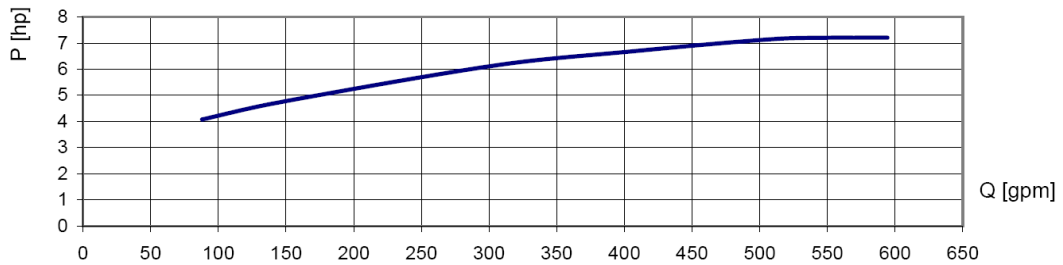
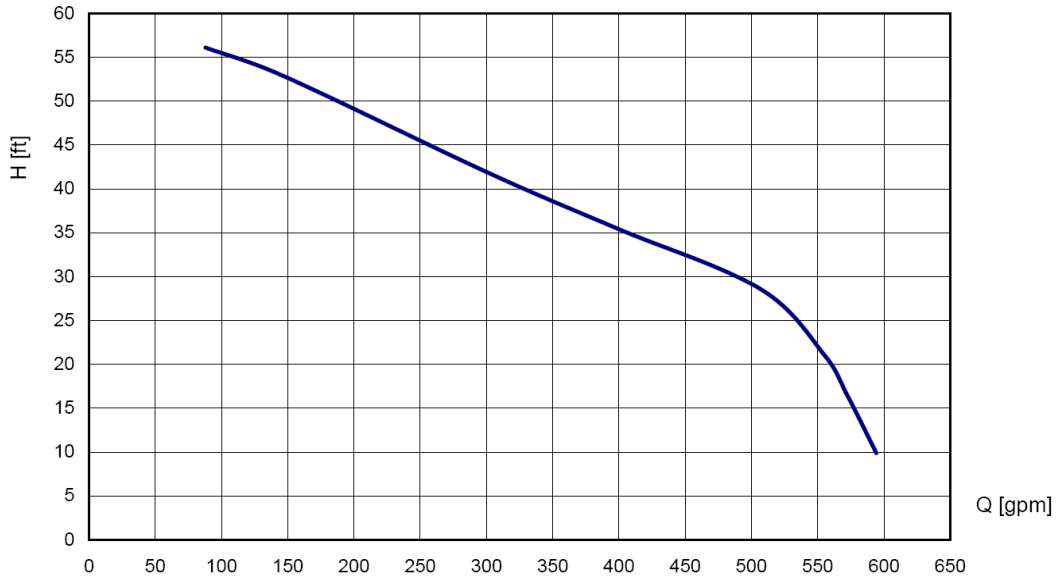
- Complete in-house design & production
- Over 70 years of experience in the market
- Extensive testing facility in-house
- Contemporary & functional design
- Durable & eco-friendly materials
- Custom builds available

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 at 1500 rpm.
 (measured with 4" connections)



STANDARD TECHNICAL SPECIFICATIONS

BBA auto prime pump

Pump type.....BA100K D193
 Max. flow (6" connections)... 750 US gpm (170 m³/hour)
 Max. flow (4" connections)... 594 US gpm (135 m³/hour)
 Max. head..... 56 feet / 24 PSI (17 mwc)
 Impeller type Channel impeller
 Solids handling 3.23 inch (82 mm)
 Pump casing Cast iron GG25
 Impeller Ductile iron GGG40
 Pump shaft..... 42CrMo4 heat treated
 Mechanical seal Tung/Sic/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

Engine

Engine brand Hatz
 Engine type..... 1D90E electric start
 Fuel injection..... Electronical
 Flywheel power (ICFN)..... 7.7 Hp (5.7 kW)
 Engine speed..... 1500 RPM
 Feature DriveOn®
 Oil change interval..... 1500 running hours
 Fuel consumption 235 g/kWh
 Displacement..... 44 Cubic inch
 Number of cylinders..... 1
 Emission level..... EPA Tier 4 final



BBA control panel

- Auto start/stop system
- Two float switches included (10m cable)
- Connection for transducer
- Key switch and push buttons
- Display for engine data
- Warning light



Fuel system

- Composite fuel tank 59 US gallon (220 L.) net
- Fuel tank cap Ø 2.5 inch (60 mm)
- Electronic fuel injection system

Electrical system & safety features

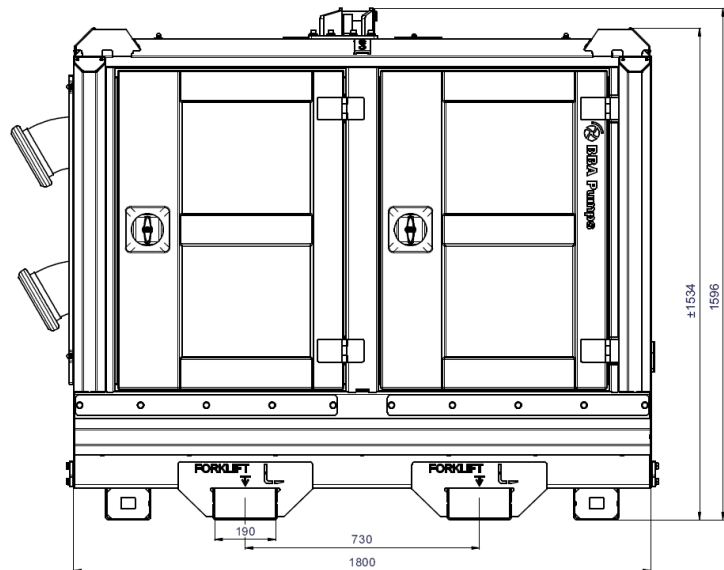
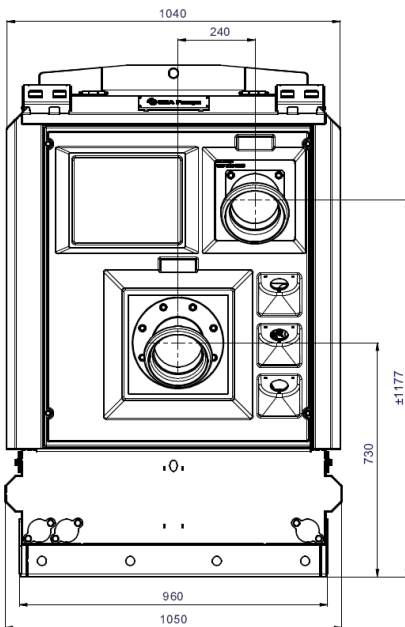
- Nominal voltage 12 Volt
- Premium quality battery
- Low oil pressure shut down

CANOPY M10-18
BBA super silent canopy

- Canopy type.....M10-18
- Dimensions L x W x H 71 x 41.3 x 63 inch
- Basic frame.....Hot dip galvanized
- Roof panels (hinged) Steel hot dip galvanized
- Doors 4 easy-access doors (lockable)
- Grill and door panels Composite ABS/ASA
- Fuel tank PE net 58 US gallon (220 ltr)
- Fuel tank autonomy 150 hours (at 1500 rpm BEP)
- Fuel tank cap 2.5 inch (60 mm)
- Forklift pockets Fitted with 2 forklift pockets
- Lifting point Fitted with single lifting point
- Stackable Canopy is stackable
- Connections.....Please consult “auxiliary items”
- Exhaust system + DOC Fully integrated in the canopy
- Spark arrestor Lloyd & Veritas approved
- Sound power level (L_{WA}) 79 dB(A) according ISO 3744:2010
- Documentation box.....BBA user manual and warranty book

BBA E-lift® system

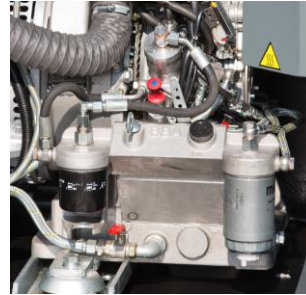
The M10-18 canopy has been fitted with the BBA E-lift® system. By removing the roof panel, the pump and diesel engine as a whole can be removed from the canopy effortlessly allowing easy preventative maintenance on the pump and diesel engine. In addition, as the canopy is not fitted with padding or insulation materials, it can be cleaned quickly using a pressure washer.



Actual dimensions (in mm) may vary depending on selected quick couplings.



Channel impeller
GGG40 channel impeller,
ductile iron, solids handling
3.23" (82 mm).



DriveOn® technology
-Service interval 1500 hours
-66% less often maintenance
-25% saving on engine oil
-Ergonomic design



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.



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.

Pictures used are for illustration purposes only.

AUXILIARY ITEMS


Discharge connections

Art.nr.		Ø inch	Ø mm	Connection
5080871	30° flange	4	100	ANSI
5080878	30° male (ball/lever)	4	100	System B
5080879	30° female (cup)	4	100	System B
5080873	30° flange	6	150	ANSI
5080881	30° male (ball/lever)	6	150	System B
5080876	30° female (cup)	6	150	System B



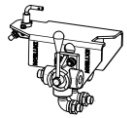
Suction connections

Art.nr.		Ø inch	Ø mm	Connection
5080892	30° flange	4	100	ANSI
5080886	30° male (ball/lever)	4	100	System B
5080885	30° female (cup)	4	150	System B
5080884	30° flange	6	150	ANSI
5080890	30° male (ball/lever)	6	150	System B
5080889	30° female (cup)	6	150	System B



M10-23 Kit

1707214200	US Kit
	- External fuel tank connections
	- Battery isolator switch
	- BBA mounting bracket



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

m ³ /h	US gallons	FLOW (L/sec)	4" 100	5" 125	6" 150	8" 200
72	317	20	2.55	1.63	1.13	0.64
90	396.3	25	3.18	2.04	1.41	0.80
108	475.5	30	3.82	2.44	1.70	0.95
144	634	40	5.09	3.26	2.26	1.27
180	792.5	50	6.37	4.07	2.83	1.59
216	951	60	7.64	4.89	3.40	1.91