



Pump specifications:

Type.....BA100K D193
 Max. flow750 US GPM (170 m³/hour)
 Max. pressure56 ft. / 24 PSI (17 mwc)
 Solids handling3,23" (82 mm)
 Impeller typeChannel impeller
 Priming systemBBA MP50
 EngineHatz 1D90Z DriveOn®
 CanopyM10-18
 Connections.....4" or 6"
 Weight (net)3190 lb. (1450 kg)
 Sound level.....Approx. 54 dB(A) at 33 ft.

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
- Emissions in accordance with US EPA regulations
- Exhaust system prepared for installation **DPF/DOC**
- Corrosion free hot dip galvanised 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 60 years of experience in the market
- Extensive testing facility in-house
- Contemporary & functional design
- Durable & eco-friendly materials
- Custom builds available

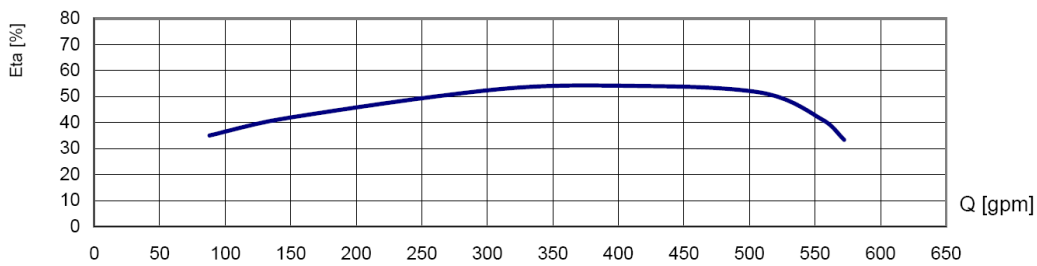
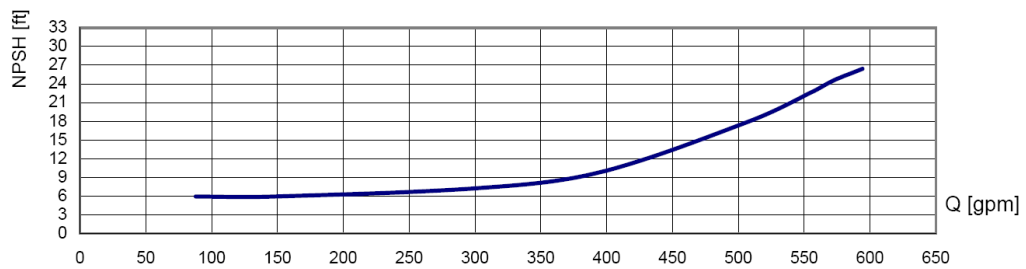
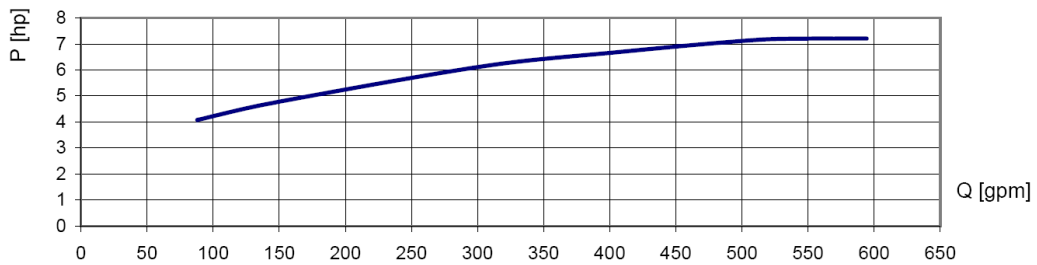
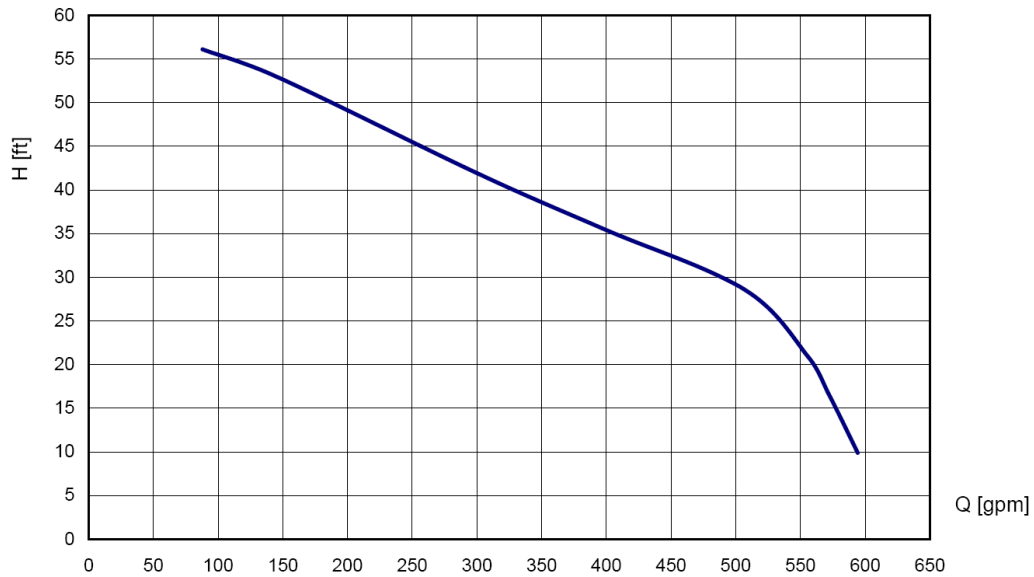
After sales service & product support

- 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



1-833-360-PUMP

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 GG20
 Impeller Ductile iron GGG40
 Pump shaft..... C45
 Shaft sealing..... Mechanical seal tung/tung/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..... 1D90Z electric start
 Flywheel power (ICFN)..... 7.9 Hp (5.8 kW)
 Max. engine speed 1500 RPM
 Feature DriveOn®
 Oil change interval..... 1500 running hours
 Fuel consumption 233 g/kWh
 Displacement..... 44 Cubic inch
 Number of cylinders..... 1
 Cooling system Air cooled
 Exhaust emission US EPA



LOFA dashboard LC20

- Auto start/stop system
- Two float switches included (10m cable)
- Switch Manual-0-Auto
- Tachometer
- Hour counter
- Warning lights "oil and engine temperature"
- Warning light "auto stand-by"



Fuel system

- Composite fuel tank 59 US Gallon (220 L.) net
- Fuel tank cap Ø 4 inch (100 mm)
- Mechanical fuel injection system

Electrical system & safety features

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

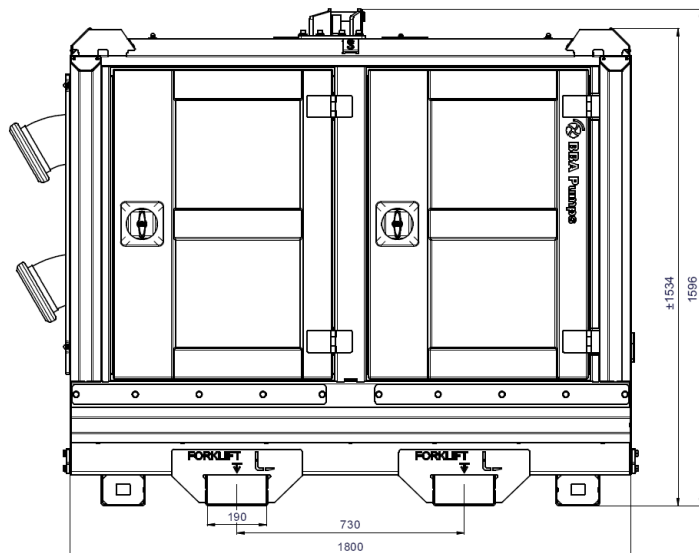
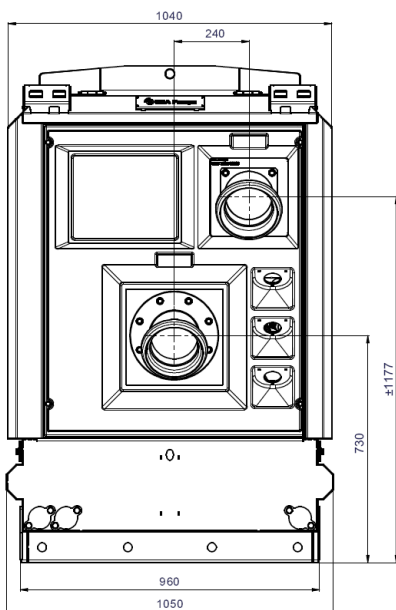
CANOPY M10-18

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 galvanised
- Roof panels (hinged) Steel hot dip galvanised
- 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 135 hours (at 1500 rpm BEP)
- Fuel tank cap 4 inch (100 mm)
- Forklift pockets Fitted with 2 forklift pockets
- Lifting point Fitted with single lifting point
- Stackable Canopy is stackable
- Connections.....Please consult “auxiliary items”
- Oil drain pump Please consult “auxiliary items”
- Exhaust system Fully integrated in the canopy
- Spark arrestor.....Lloyd & Veritas approved
- Documentation box.....BBA user manual and warranty book

BBA E-lift® system

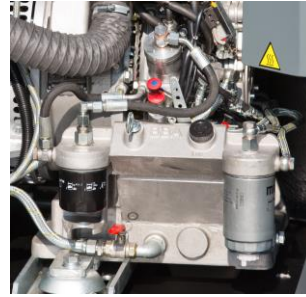
The M10-18 canopy has been fitted with the BBA E-lift® system. By removing the roof panel, the pump and diesel engine as a whole can be removed from the canopy effortlessly allowing easy preventative maintenance on the pump and diesel engine. In addition, as the canopy is not fitted with padding or insulation 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 3,32" (82 mm).



Hatz DriveOn®
-Large engine oil sump
-Service interval 1500 hours
-25% saving on engine oil
-Ergonomic design



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



RF System
The exhaust system is completed with a spark arrester and prepared for installation of DPF/DOC.



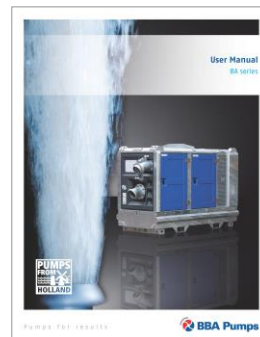
Safety
Extremely durable and lockable T-locks offering perfect grip.



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.




User Manual BA series
Extensive user manual with important information concerning the pump unit, pump installation and safety warnings. Available in several languages.


Pictures used are for illustration purposes only.

AUXILIARY ITEMS


Discharge connections

Art.nr.		Ø inch	Ø mm	Connection	
05080871	30° flange	4	100	ANSI	
05080878	30° male (ball/lever)	4	100	System B	
05080879	30° female (cup)	4	100	System B	
05080873	30° flange	6	150	ANSI	
05080881	30° male (ball/lever)	6	150	System B	
05080876	30° female (cup)	6	150	System B	

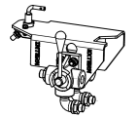
Suction connections

Art.nr.		Ø inch	Ø mm	Connection	
05080892	30° flange	4	100	ANSI	
05080886	30° male (ball/lever)	4	100	System B	
05080885	30° female (cup)	4	150	System B	
05080884	30° flange	6	150	ANSI	
05080890	30° male (ball/lever)	6	150	System B	
05080889	30° female (cup)	6	150	System B	

Environmental care

9306000110	<p>Diesel Particulate Filter & Oxidation Catalyst</p> <ul style="list-style-type: none"> - Fully integrated in the exhaust module - Reduction of Particulate Matter, PM > 95% - Reduction of Hydrocarbon, HC > 50% maximum 65% - Reduction of Carbon Monoxide, CO > 70% maximum 90% - VERT® Certified 	
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M10-23 Kit

1707214200	<p>US Kit</p> <ul style="list-style-type: none"> - External fuel tank connections - Battery isolator switch - BBA mounting bracket 	
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Recommended suction pipe ID vs flow rates by pipe dimension (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