



Pump specifications:

Type.....BA100K D193
 Max. flow594 US GPM (135 m³/hour)
 Max. pressure.....60 ft. / 26 PSI (18 mwc)
 Connections.....4" (DN 100)
 Solids handling3,23" (82 mm)
 Impeller typeChannel impeller
 Priming systemBBA MP50
 EngineHatz 1D81Z es
 CanopyM10-19
 Weight (net)2420 lb. (1100 kg)
 Sound level.....52 dB(A) at 33 ft.

FEATURES

BA auto prime pump

The BA range of pumps have 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 EU stage & US EPA Tier regulations
- Corrosion free hot dip galvanised 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

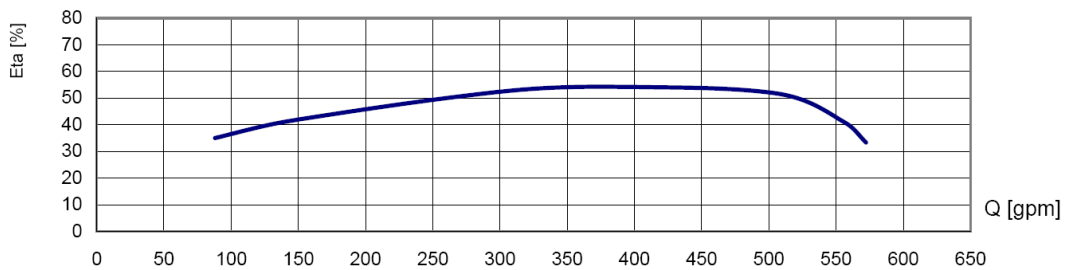
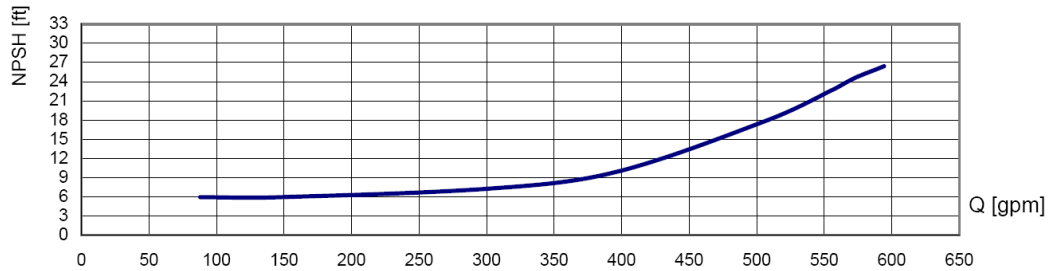
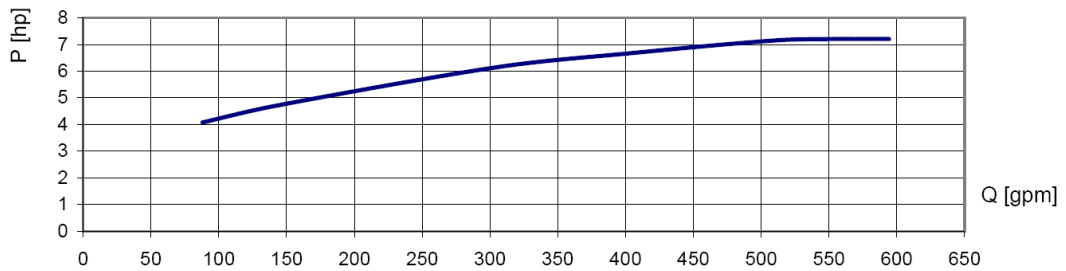
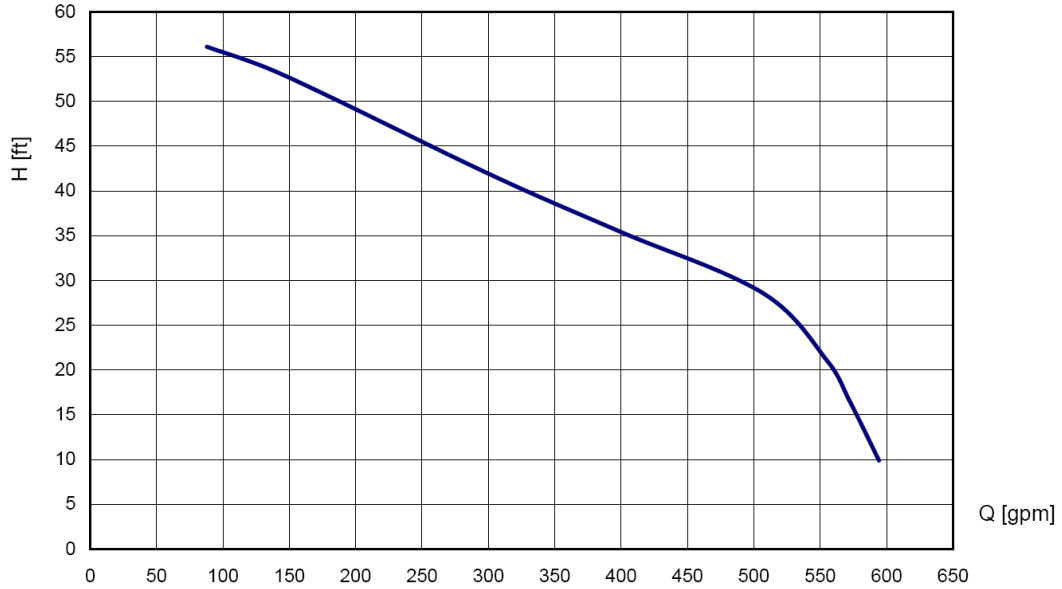
After sales service & product support

- 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 (1500 RPM)

Continuous duty according ISO 9906



STANDARD TECHNICAL SPECIFICATIONS

BBA auto prime pump

Pump type.....BA100K D193
 Max. flow.....594 US GPM (135 m³/hour)
 Max. head.....60 feet / 26 PSI (18 mwc)
 Impeller typeChannel impeller
 Solids handling3.23" (82 mm)
 Pump casing.....Cast iron GG20
 ImpellerDuctile iron GGG40
 Pump shaft.....C45
 Shaft seal.....Mechanical seal 1.38" (35mm)
 Seal facesTung/Tung
 Seal rubbersViton



BBA priming system

Pump type.....BBA MP50 Diaphragm pump
 Air handling capacity30 CFM (50 m³/h)
 Max. vacuum29 inHg (8.5 m)
 DriveToothed belt (continuous drive)
 Float boxAluminium
 Non return valveBall valve GG25

Engine

Engine brandHatz
 Engine type.....1D81Z
 Flywheel power.....6.8 Hp (5 kW)
 Max. engine speed1500 RPM
 Fuel consumption245 g/kWh
 Displacement.....0,667 l
 Number of cylinders.....1
 Cooling systemAir cooled
 Exhaust emission USTier 4



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

- Steel fuel tank 59 US Gallon (220 L.) net
- Fuel tank cap Ø 2.5 inch (60 mm)
- Fuel gauge on tank
- Fitted with water separator & extra in-line fuel filter

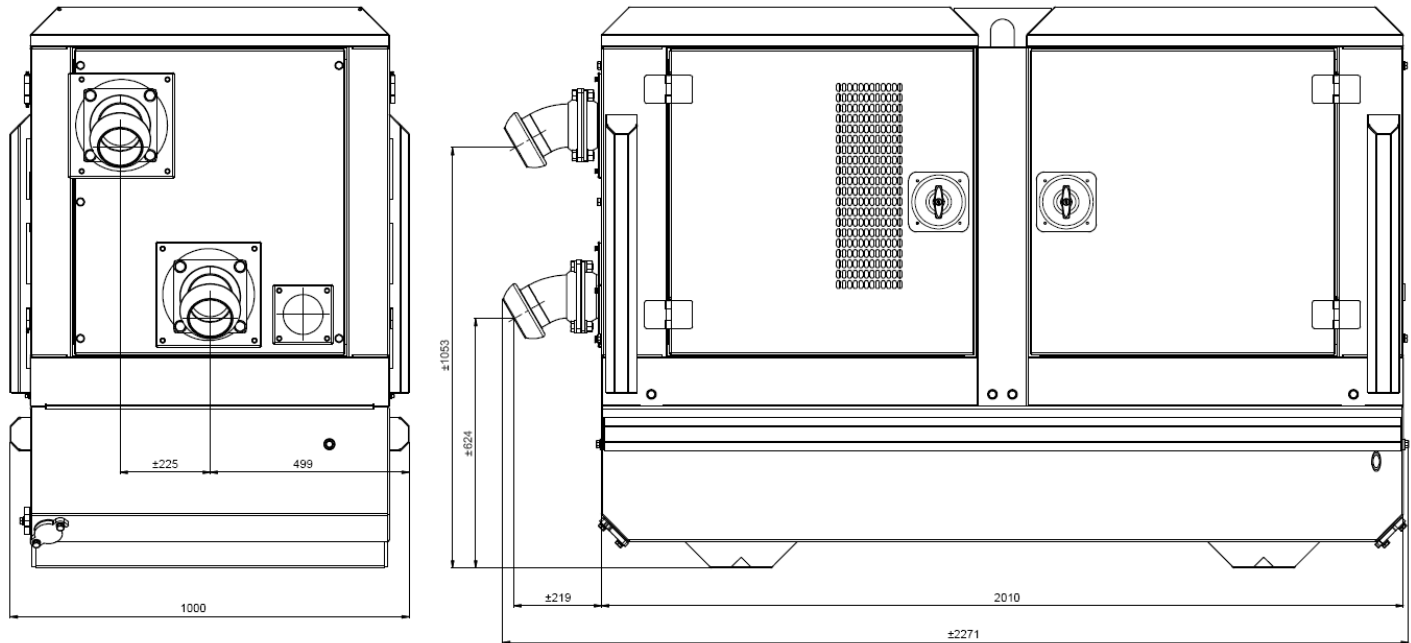
Electrical system & safety features

- Nominal voltage 12 Volt
- Premium quality battery 72 amp.
- Low oil pressure shut down

CANOPY M10-19

BBA sound attenuating canopy

- Canopy type.....M10-19
- Dimensions L x W x H 75 x 39.4 x 55 inch
- Dimensions L x W x H 2010 x 1000 x 1405 mm
- Basic frame.....Hot dip galvanised
- Panelszinc plated panels
- Doors 4 Easy-access doors (lockable)
- Fuel tankSteel net 59 US Gallon (220 ltr)
- Fuel tank autonomy 140 hours (at 1500 rpm BEP)
- Fuel tank cap2.5 inch (60 mm)
- Lifting point Fitted with single lifting point
- Oil drain pump Drain pump for motor oil installed (hand pump)
- Connections..... Please consult “auxiliary items” in overleaf
- Exhaust system Fully integrated in canopy
- Additional Fitted with oil-water separator



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



Channel impeller
GGG40 channel impeller, ductile iron, solids handling 3,32" (82 mm).



Protection bars
For a durable look and long lifetime.



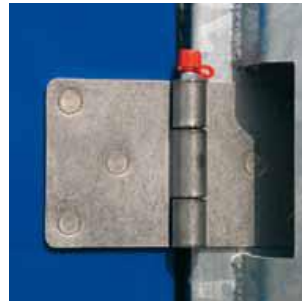
Easy inspection
Oil glasses, drain valves and fill plugs are all easily accessible.



Large inspection covers
Easy access to float box, impeller and non-return valve.



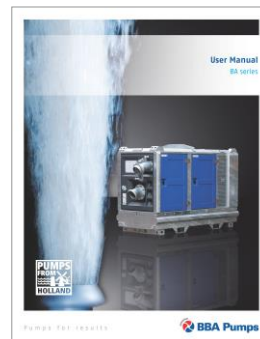
Safety
Extremely durable and lockable T-locks offering perfect grip.



Stainless steel hinges
Heavy-duty stainless steel hinges with lubrication point.



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	
1516604191	30°	4	100	Flange DIN	
1516604193	30°	4	100	Flange ANSI	
1174186058	30°	4	100	BSP	
1174186069	30° male (ball)	4	100	System C	
1174186071	30° female (cup)	4	100	System B	
1174186072	30° male (ball/lever)	4	100	System B	


Suction connections

Art.nr.		Ø inch	Ø mm	Connection	
1516604190	30°	4	100	Flange DIN	
1516604192	30°	4	100	Flange ANSI	
1016140164	30°	4	100	BSP	
1016140162	30° male (ball)	4	100	System C	
1016140163	30° female (cup)	4	100	System B	


Suction hose with strainer L= 4 meter

Art.nr.	Ø inch	Ø mm	connection	
07047110	4	100	Flange DIN	
07047001	4	100	System B male (ball/lever)	
07048170	4	100	System C female (cup/lever)	

Suction hose with strainer L= 5 meter

Art.nr.	Ø inch	Ø mm	connection	
07047111	4	100	Flange DIN	
07047002	4	100	System B male (ball/lever)	
07047032	4	100	System C female (cup/lever)	

Suction hose with strainer L= 6 meter

Art.nr.	Ø inch	Ø mm	connection	
07047112	4	100	Flange DIN	
07047003	4	100	System B male (ball/lever)	
07047033	4	100	System C female (cup/lever)	