



Pump specifications:

Type.....BA80H D290
 Max. flow440 US GPM (100 m3/hour)
 Max. pressure.....349 ft. / 151 PSI (105 mwc)
 Connections.....Discharge 3" – Suction 6"
 Solids handling 1" (25 mm)
 Impeller typeClosed impeller
 Priming systemBBA MP50
 EngineHatz 4H50TIC
 Emission standardTier 4 final
 CanopyM10-23X
 Sound level.....Approx. 69 dB(A) at 33 ft.
 Dry weight.....3520 lbs. (1600 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

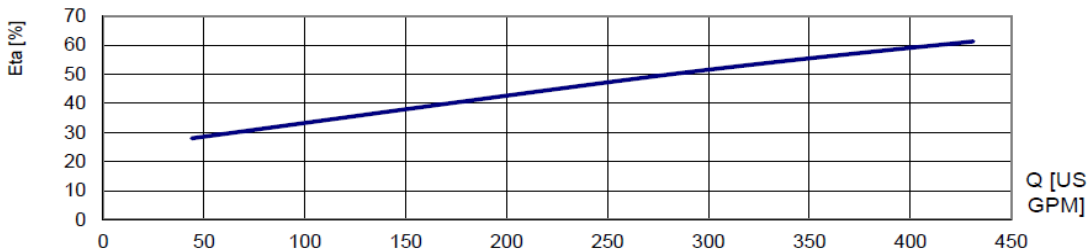
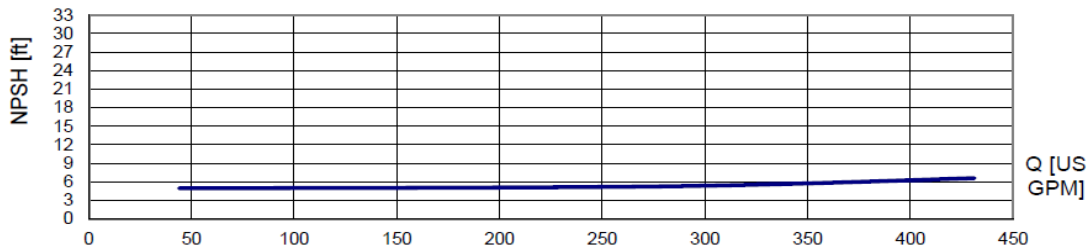
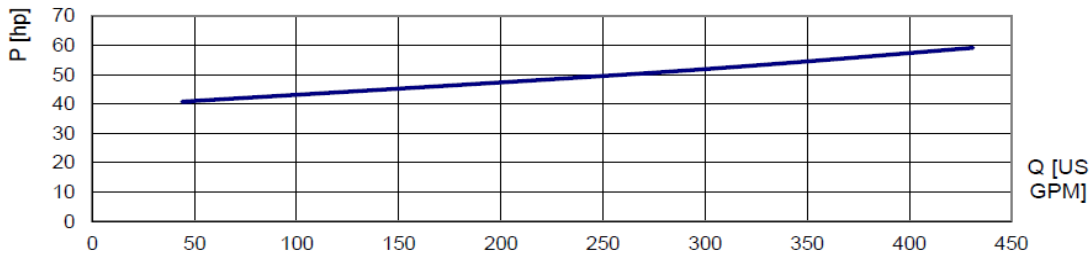
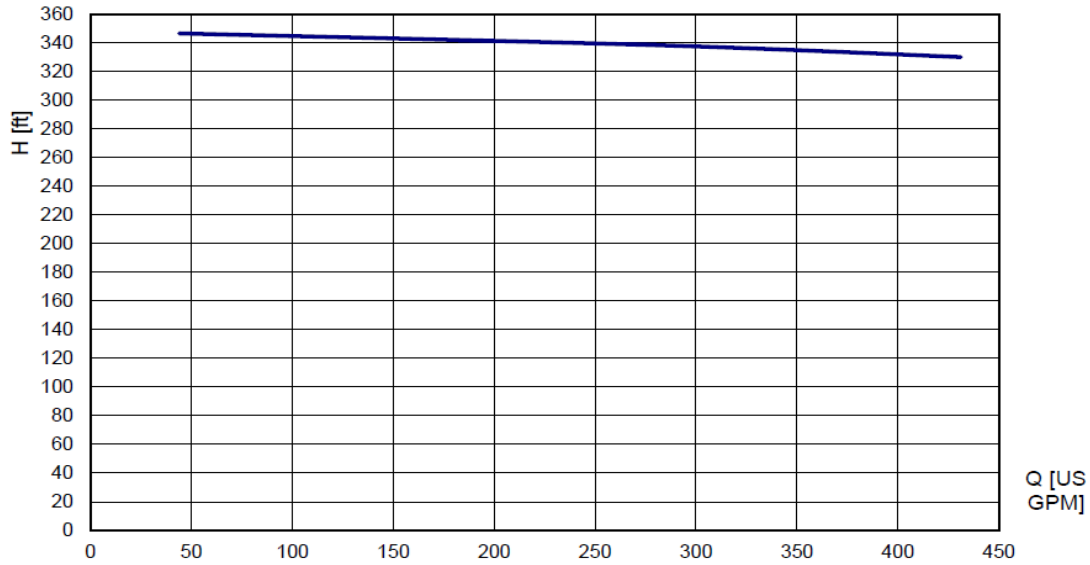


1-833-360-PUMP



PERFORMANCE CURVES (2800 RPM)

Continuous duty according ISO 9906



STANDARD TECHNICAL SPECIFICATIONS

BBA auto prime pump

Pump type.....	BA80H D290
Max. flow.....	440 US GPM (100 m ³ /hour)
Max. head.....	349 feet (105 mwc)
Impeller type.....	Closed impeller
Solids handling.....	1 inch (25 mm)
Pump casing.....	Cast iron GG20
Impeller.....	Ductile iron GGG40
Wear ring.....	Cast iron GG20
Pump shaft.....	Stainless steel 316
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 m ³ /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.....	4H50TIC
Max. power IFN.....	75 Hp (55.4 kW)
Variable engine speed.....	Max. 2800 RPM
Fuel consumption.....	237 g/kWh
Displacement.....	1,952 cm ³
Number of cylinders.....	4
Aftertreatment.....	EGR, DOC
Emission standard.....	Tier 4 final / Stage IIIB

LOFA control panel

- Auto start/stop system
- Two float switches included (10m cable)
- Switch Manual-0-Auto
- Warning lights
- Safety features to protect the engine
- High resolution 4.3" LCD monitor



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

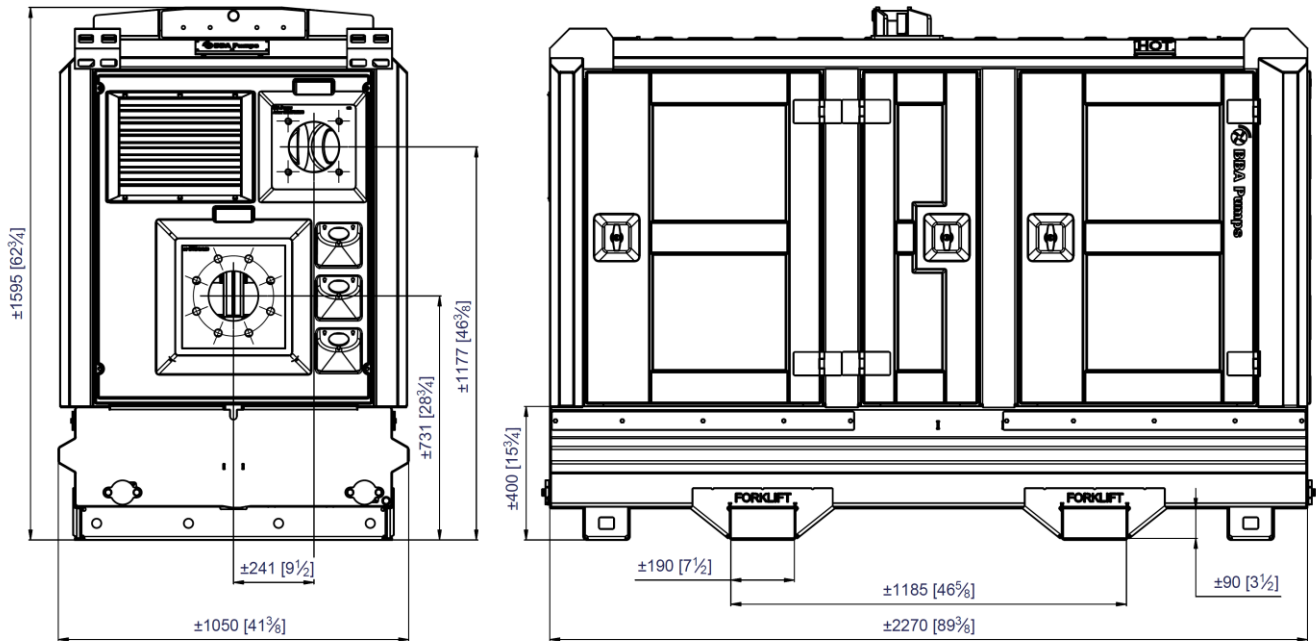
CANOPY M10-23X

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
- Roof panelComposite roof panel
- Doors5 lockable composite doors
- Fuel tankPE net 80 US Gallon (300 ltr)
- Fuel tank autonomy25 hours (at 2800 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
- 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.



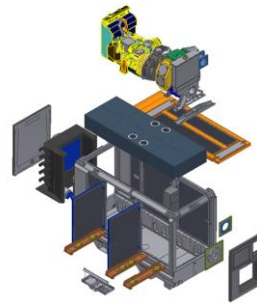
Closed impeller
Ductile iron GGG40
abrasion resistant, free
passage 1" (25 mm).



Fuel tank
Double wall fuel containment,
corrosion-free, 80 US Gallon,
high-density polyethylene
(HDPE) fuel tank, located in
base of canopy.



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



Speedy servicing
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.



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.




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


Pictures used are for illustration purposes only.

AUXILIARY ITEMS


Discharge connections

Art.nr.		Ø inch	Ø mm	Connection	
5080904	30° flange	4	100	Flange DIN	
5080869	30° male (ball/lever)	3	75	System B	
5080908	30°	3	75	Outer thread	


Suction connections

Art.nr.		Ø inch	Ø mm	Connection	
5080884	30°	6	150	Flange K240	
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	

Suction hose with strainer L=5 metre

Art.nr.	Ø inch	Ø mm	Connection	
7047072	6	150	Flange K240	
7047023	6	150	System B male (ball/lever)	
7047077	6	150	System C female (cup/lever)	

Suction hose with strainer L=6 metre

Art.nr.	Ø inch	Ø mm	Connection	
7047073	6	150	Flange K240	
7047024	6	150	System B male (ball/lever)	
7047078	6	150	System C female (cup/lever)	