

Florida Sheriffs Association 2020/2021 – Build Form

DESIGN REQUIREMENTS: Discharge size: 6 inches; Suction size: 6 inches; Capable of 1750 GPM minimum; Capable of 160 ft. Total Dynamic Head (TDH) minimum; Duty Point, Maximum: 1,000 gallons per minute minimum (GPM) at 120 ft. Total Dynamic Head (TDH); Solids handling capability size, minimum size: 3 inches.

ENGINE: Diesel engine, appropriate to pump size at continuous duty; Emission compliant engine; Industrial grade exhaust muffler and rain cap; Oil and coolant drain lines with ball valves; Low water level shutdown switch; 12vdc system with battery rack and cables; 50 gallon minimum fuel tank with low fuel level alarm and shutdown.

PUMP: Check valve; Self-priming system.

CONTROLS: Solid state, microprocessor-based pump controls; Controls shall provide all operating, monitoring and control functions for the pump set; Controller will also provide 2 fully programmable contacts for input and output signals accordingly; Controller will provide remote start stop control with adjustable ramp (speed) time control; UL 508 R and CSA C22.2 No. 14 approved.

TRAILER: The manufacturer shall mount the diesel engine and pump unit with the above 50 gallon subbase tank on a street legal D.O.T. approved trailer; This trailer will be able to be rated for a safe travel at speeds of 60 mpg and not be limited to the following specifications: Trailer design shall be such that the County/City may easily remove the entire engine, fuel tank and pump from the trailer; 12vdc electric system; Lunette or military type towing ring with safety chains; Single point lifting bar; License plate bracket; Sand shoe type support stands front and rear; Torque spring axles to meet load of trailer; The trailer must have a VIN and a certificate of origin.

STARTUP AND COMMISSIONING: Vendor must coordinate all startup and testing activities with the engineer/owner; After field delivery of the pump and trailer, an authorized factory representative shall perform the initial startup and field testing of the pump and trailer; If conditions permit, a site will be determined where connection will be made by the County/City to test the pump package; If a site cannot be prepared a standard operational test will be performed; At the same time the startup test is performed, the factory representative will provide all necessary operation, field maintenance and minor repair training as necessary; This will also include safety procedures and hazard assessment.

BA150E Trailer Pump Package

Dewatering and Sewage Pump
Max. 2200 US GPM, Max. 125 ft. / 54 PSI



Pump specifications:

Type.....	BA150E D285
Max. flow	2200 US GPM (500 m3/hour)
Max. pressure	125 ft. / 54 PSI (38 mwc)
Connections.....	6" (DN150)
Solids handling	3,15" (80 mm)
Impeller type	Open impeller
Priming system	BBA MP50
Engine	Hatz 4H50TIC
Emission standard	Tier 4 final
Trailer.....	Galvanized single axle trailer
Dry weight.....	3630 lbs. (1650 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
- Emissions in accordance with EU stage & US EPA Tier regulations
- Corrosion free hot dip galvanized frames
- 100% Oil-spill free priming system

Portable pumping solutions

All of our pump trailers are specifically designed for BBA Pumps, which can be towed by most full-size pickup trucks. The BBA trailer allows contractors and rental companies the ability to safely transport our pumps from jobsite-to-jobsite.

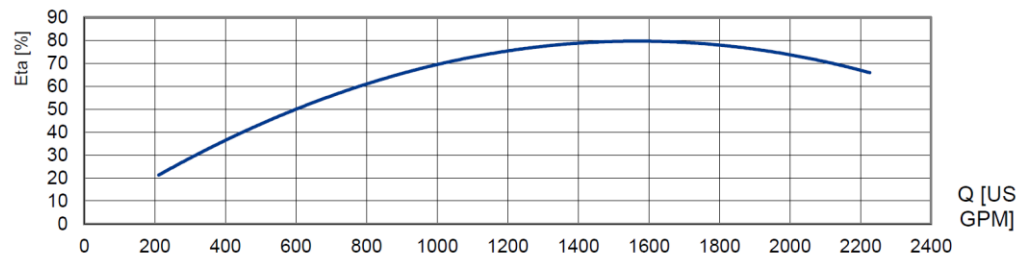
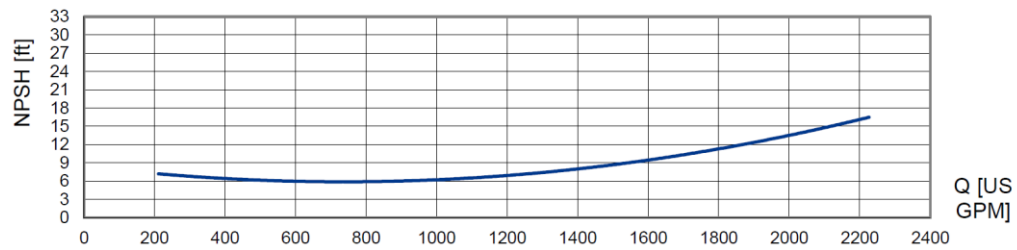
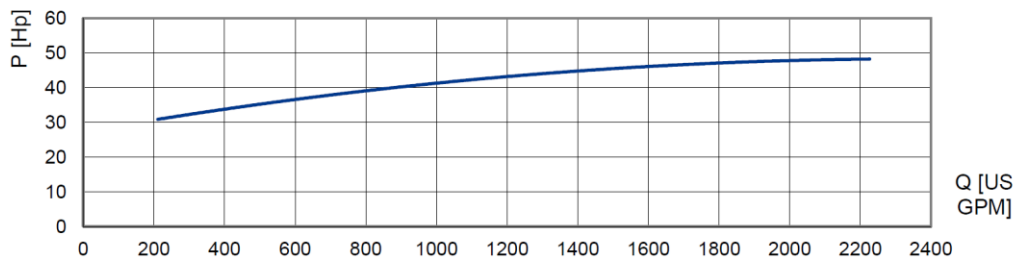
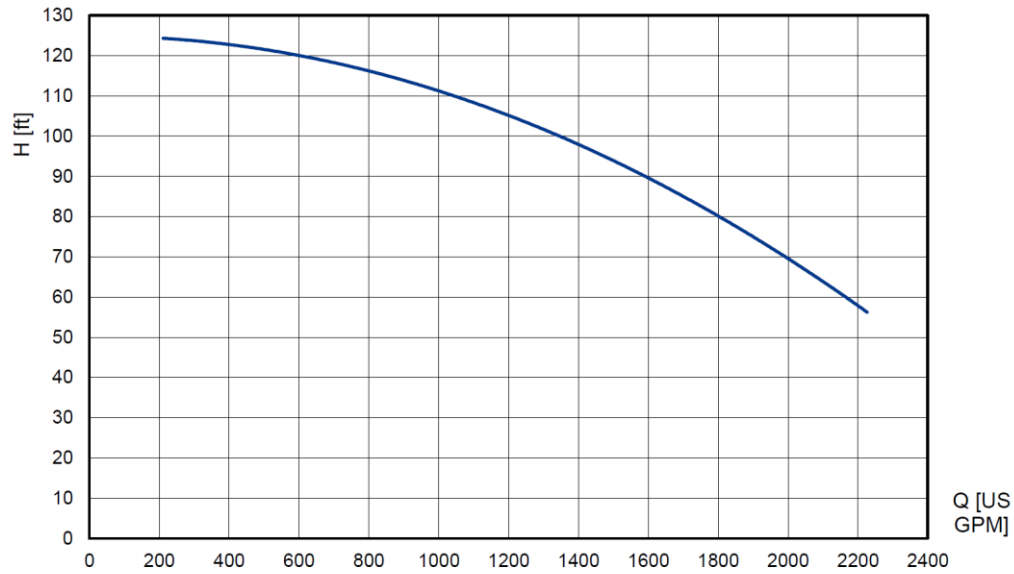
Trailer package

- Sits lower to the ground for pumping purposes
- Single torsion axle
- Corrosion resistant (galvanized)
- LED lights on the rear
- Adjustable pintle hitch
- Maintenance free design



PERFORMANCE CURVES (1900 RPM)

Continuous duty according ISO 9906



STANDARD TECHNICAL SPECIFICATIONS

BBA auto prime pump

Pump type.....	BA150E D285
Max. flow.....	2200 US GPM (500 m³/hour)
Max. head.....	125 feet / 54 PSI (38 mwc)
Impeller type.....	Open impeller
Solids handling.....	3.15 inch (80 mm)
Pump casing.....	Cast iron GG20
Impeller.....	Chrome Moly 42CrM04
Self-cleaning wear plate.....	Chrome Moly 42CrM04 (cutter slots)
Pump shaft.....	C45
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.....	4H50TIC
Max. power output.....	75 Hp (55.4 kW)
Variable engine speed.....	1300 - 1900 RPM
Fuel consumption.....	220 g/kWh
Displacement.....	1,952 cm³
Number of cylinders.....	4
Aftertreatment.....	EGR, DOC
Exhaust emission US.....	Tier 4 Final

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

Dimensions L x W x H	136.9 x 61.5 x 79.5 inch
Dimensions L x W x H	3476 x 1564 x 2019 mm
Steel frame	Hot dip galvanized
Pintle hitch	Height adjustable 18 – 24 inch
Fuel tank	PE net 80 US Gallon (300 ltr)
Fuel tank autonomy	30 hours (at 1900 rpm BEP)
Fuel tank cap	Lockable
Lifting point	Fitted with single lifting point
Jacks	Front & rear jacks
Lighting	DOT approved LED lights
Axle	Single torsion axle (2 inch suspension)
Nose load	275 lbs with filled fuel tank
Connections	Please consult “auxiliary items” in overleaf

BA150E Trailer Pump Package

Dewatering and Sewage Pump
Max. 2200 US GPM, Max. 125 ft. / 54 PSI



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.



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
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.