



BBA BA150KS - 6” Sewage and Trash Pump Proposal

Based on FSA Contract # FSA20-EQU18.0 for Heavy Equipment

1 piece - BBA model # BA150KS D285, 6” pumps, sound attenuated, skid mounted, diesel driven Hatz 3H50TIC. Includes:

- Max. flow 2150 US gpm (490 m3/hour)
- Max. pressure 135 ft. / 58 PSI (41 mwc)
- Connections 6" (DN150)
- Solids handling 3.94" (100 mm)
- Impeller type Screw channel impeller
- Priming system BBA MP50
- Engine Hatz 3H50TIC
- Emission standard Tier 4 final
- Canopy M10-23X
- Sound level Approx. 64 dB(A) at 33 ft.
- Dry weight 3575 lbs. (1625 kg)

Please see attached spec sheet for more information.

*1 Day of Commissioning Services Included
Freight is included.*

Items not specifically listed above, are NOT included.

Exceptions:

- *Taxes not included*

Pricing

- ***With M10-23UTI DOT approved trailer, including electric jack and toolbox (Just Like the Demo Model) = \$65,950.00***

Lead Time / 16-18 weeks

Approved By / Date: _____


Pump specifications:

Type.....	BA150KS D285
Max. flow	2150 US gpm (490 m3/hour)
Max. pressure.....	135 ft. / 58 PSI (41 mwc)
Connections.....	6" (DN150)
Solids handling	3.94" (100 mm)
Impeller type	Screw channel impeller
Priming system	BBA MP50
Engine	Hatz 3H50TIC
Emission standard	Tier 4 final
Canopy	M10-23X
Sound level.....	Approx. 64 dB(A) at 33 ft.
Dry weight.....	3575 lbs. (1625 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

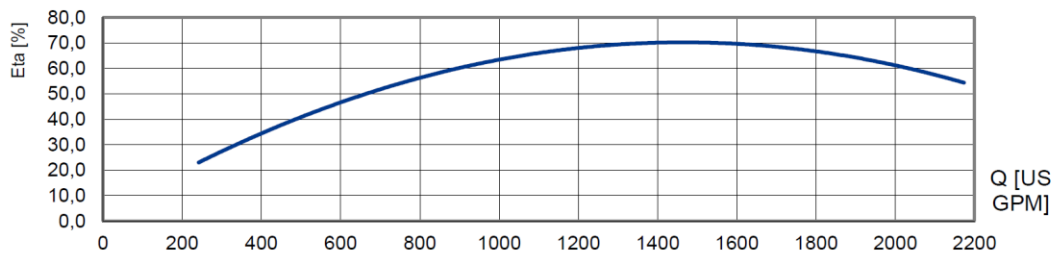
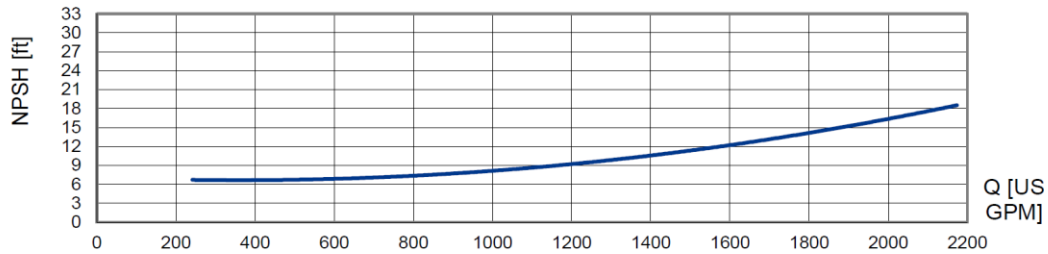
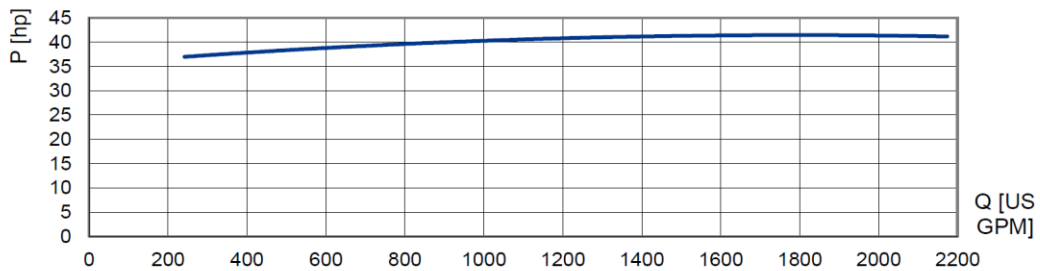
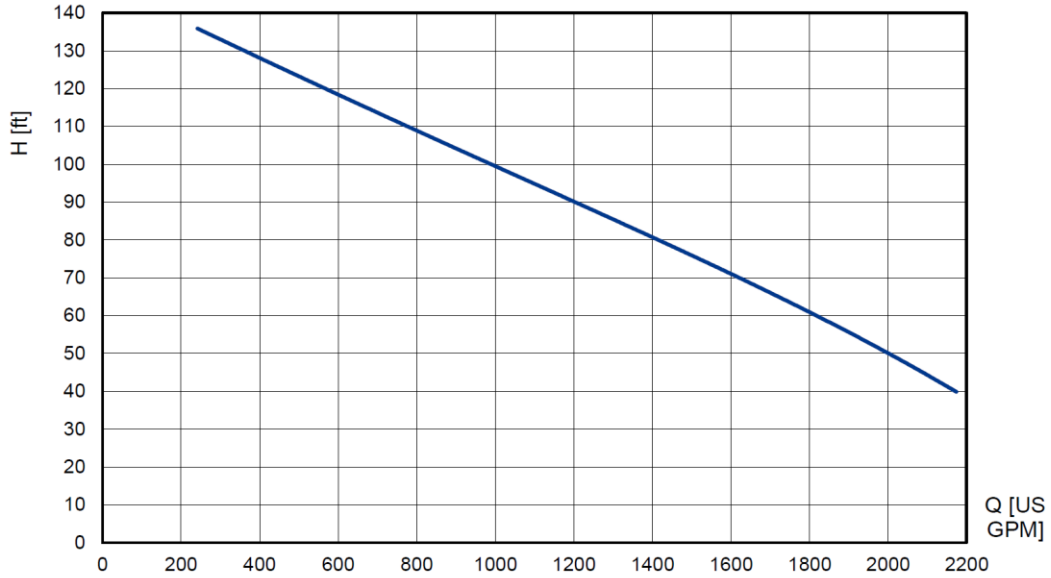
- Complete in-house design & production
- Over 60 years of experience in the market
- Extensive testing facility in-house
- Contemporary & functional design
- Durable & eco-friendly materials
- Custom builds available

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

PERFORMANCE CURVES (2100 RPM)

Continuous duty according ISO 9906



STANDARD TECHNICAL SPECIFICATIONS

BBA auto prime pump

Pump type.....	BA150KS D285
Max. flow.....	2150 US GPM (490 m ³ /hour)
Max. head.....	135 feet / 58 PSI (41 mwc)
Impeller type	Screw channel impeller
Solids handling	3.94 inch (100 mm)
Pump casing.....	Cast iron GG20
Impeller w/ cutter slots.....	Chrome Moly 42CrM04
Suction piece	Chrome Moly 42CrM04
Backplate w/ cutting edges..	GG25
Pump shaft.....	42CrV6
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.....	3H50TIC
Max. power output	59 Hp (43.7 kW)
Variable engine speed.....	1300 - 2100 RPM
Fuel consumption	225 g/kWh
Displacement.....	1.464 cm ³
Number of cylinders.....	3
Aftertreatment.....	EGR, DOC
Exhaust emission US	Tier 4 Final



BBA control panel LC40

- Auto start/stop system
- Two float switches included (10m cable)
- Key switch
- Rpm. control with push buttons
- Warning lights
- 4.3" LCD display



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

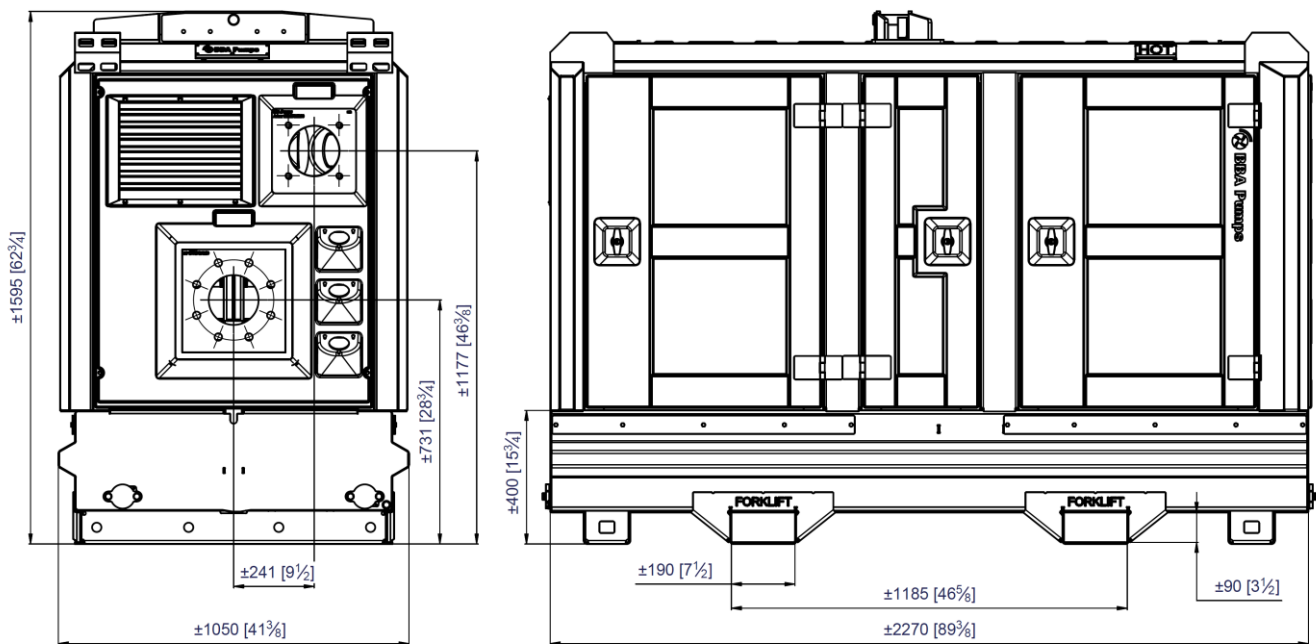
- Nominal voltage 12 Volt
- Premium quality battery
- Low oil pressure shut down

CANOPY M10-23X
BBA sound attenuating canopy

Canopy type.....	M10-23X
Dimensions L x W x H	89.4 x 41.3 x 62.8 inch
Dimensions L x W x H	2270 x 1050 x 1595 mm
Basic frame.....	Hot dip galvanized
Doors	6 lockable composite doors
Fuel tank	PE net 80 US Gallon (300 ltr)
Fuel tank autonomy	30-35 hours (at 2100 rpm BEP)
Fuel tank cap	4 inch (100mm)
Forklift pockets.....	Fitted with 2 forklift pockets
Lifting point	Fitted with single lifting point
Stackable	Canopy is stackable
Exhaust system	Fully integrated in canopy
Additional	Fitted 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.



Screw channel impeller
This special designed closed screw impeller is a real waste warrior. Even at higher speed, or with pumping air bubbles, the pump runs vibration-free. The best choice for your sewer bypass jobs.



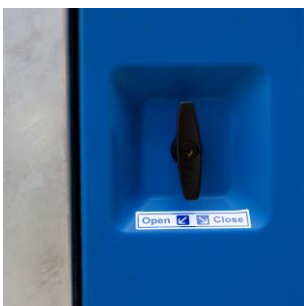
Large inspection covers
Easy access to float box, impeller and non-return valve.



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



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



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.

AUXILIARY ITEMS


Discharge connections

Art.nr.		Ø inch	Ø mm	Connection
5080873	30°	6	150	ANSI/DIN Flange
5080899	30°	8	200	ANSI Flange
5080876	30° female (cup)	6	150	system B
5080881	30° male (ball/lever)	6	150	system B
5080813	30° female (cup)	8	200	system B
5080809	30° male (ball/lever)	8	200	system B




Suction connections

Art.nr.		Ø inch	Ø mm	Connection
5080884	30°	6	150	ANSI/DIN Flange
5080897	0°	8	200	ANSI Flange
5080889	30° female (cup)	6	150	system B
5080890	30° male (ball/lever)	6	150	system B
5080914	0° female (cup)	8	200	system B
5080911	0° male (ball/lever)	8	200	system B



Suction hose with strainer L=6 metre

Art.nr.	Ø inch	Ø mm	connection
7047055	6	150	ANSI/DIN Flange
7047058	8	200	Flange K295
7047008	6	150	System B male (ball/lever)
7047038	6	150	System C female (cup/lever)



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

US gallons	M3/H	FLOW (L/sec)	4" 100	5" 125	6" 150	8" 200	10" 250	12" 300
1110	252	70	8.91	5.70	3.96	2.23	1.43	0.99
1268	288	80	10.19	6.52	4.53	2.55	1.63	1.13
1427	324	90	11.46	7.33	5.09	2.86	1.83	1.27
1585	360	100	12.73	8.15	5.66	3.18	2.04	1.41
1775	403	112	14.26	9.13	6.34	3.57	2.28	1.58
1902	432	120	15.28	9.78	6.79	3.82	2.44	1.70
2061	468	130	16.55	10.59	7.36	4.14	2.65	1.84
2219	504	140	17.83	11.41	7.92	4.46	2.85	1.98

Pictures used are for illustration purposes only.