BA150KS Diesel Driven
Sewage and Trash Pump
Max. 490 m^3/hour, Max. 41 mwc

Pump specifications:

Type	BA150KS D285
Max. flow	490 m^3/hour (2150 US gpm)
Max. pressure	41 mwc (135 ft.)
Connections	DN150 (6")
Solids handling	100 mm (4")
Impeller type	Screw channel impeller
Priming system	BBA MP50
Engine	Hatz 3H50TICD
Emission level	Stage V
Canopy	M10-23X
Sound level L_{PA}	63 dB(A) at 10 m
Dry weight	1650 kg (3630 lbs.)

FEATURES

BA auto prime pump
The BA range of pumps has been designed with a clear focus on reliability, efficiency and durability. Featuring a 100% mechanical 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 strenuous contractor market.

World-class performance
The BA range is built to be deployed on the most demanding dewatering and sewage bypassing 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”.

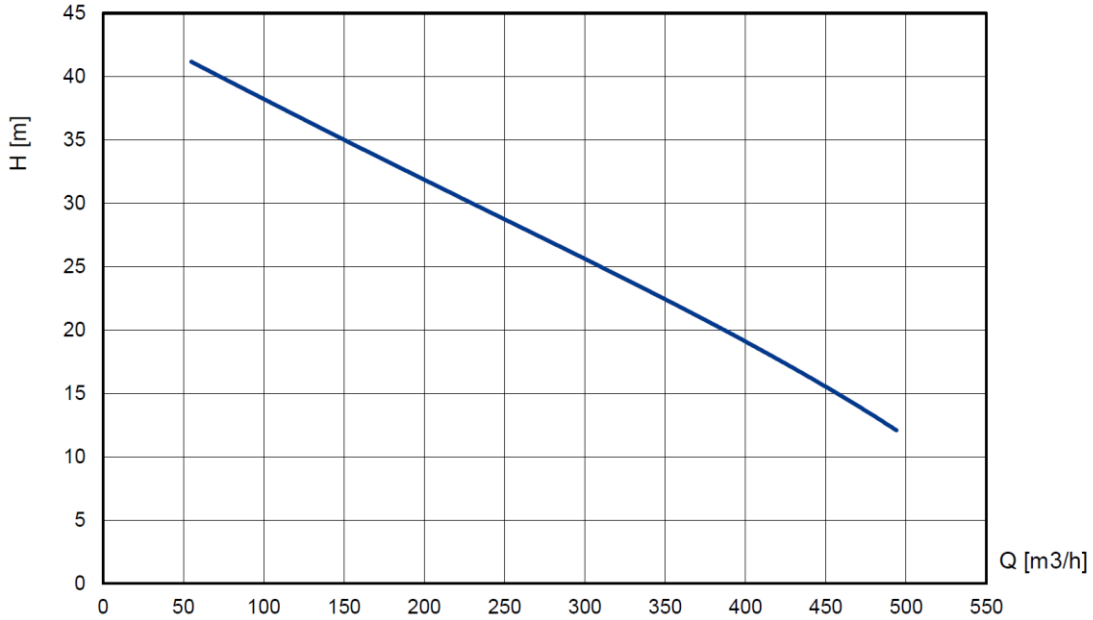
Sustainability
- High efficiency pumps minimising fuel consumption
- Corrosion free hot dip galvanized canopy
- Corrosion free composite door panels
- 100% Oil-spill free priming system
- Fully bunded unit eliminating fuel/oil spills at all times

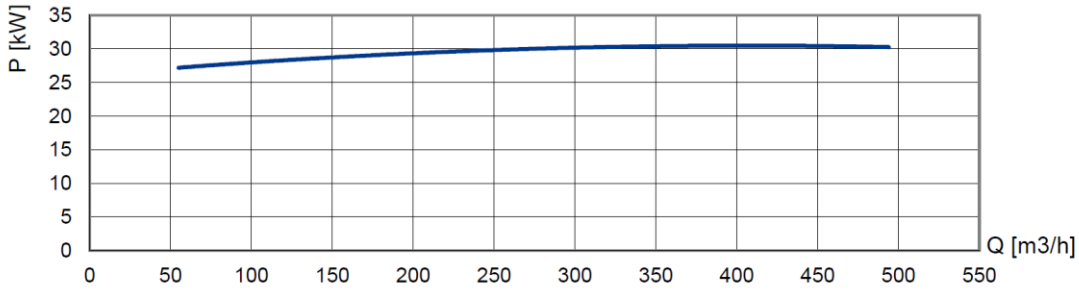
Complete package designed & built by BBA Pumps
- Complete in-house design & production
- Over 70 years of experience in the market
- Extensive testing facility in-house
- Contemporary & functional design
- Durable & eco-friendly materials
- Custom builds available

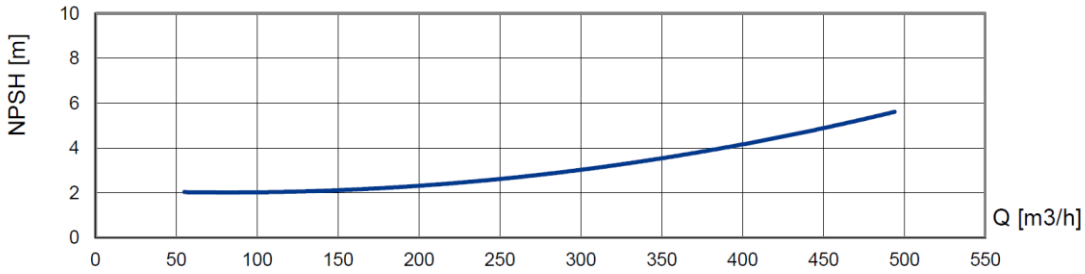
After sales service & product support
- Single supplier for parts, spares & accessories
- Dedicated customer help-desk (24h service)
- Dedicated service department in-house
- Global parts distribution network
- Optional global on-site servicing
- Extensive training options available (technical & commercial), on-site or in-house

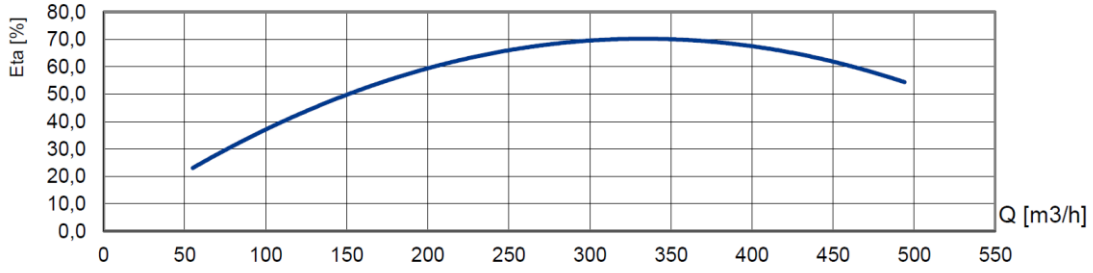
PERFORMANCE CURVES (2100 RPM)

Continuous duty according ISO 9906









STANDARD TECHNICAL SPECIFICATIONS

BBA auto prime pump

Pump type	BA150KS D285
Max. flow	490 m³/hour (2150 US gpm)
Max. head	41 mwc (135 feet)
Impeller type	Screw channel impeller
Solids handling	100 mm (4 inch)
Pump casing	Cast iron GG25
Impeller w/ cutter slots	Chrome Moly 42CrM04
Suction piece	Chrome Moly 42CrM04
Backplate w/ cutting edges	GG25
Pump shaft	42CrMo4 heat treated
Shaft seal	Mechanical seal
Seal faces	Tung/Sic
Seal rubber	Viton

BBA priming system

Pump type	BBA MP50 diaphragm pump
Air handling capacity	50 m³/h (30 CFM)
Max. vacuum	8,5 m (29 inHg)
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	3H50TICD
Max. power IFN	43,7 kW (59 Hp)
Variable engine speed	1300 - 2100 RPM
Fuel consumption	225 g/kWh
Displacement	1,464 cm³
Number of cylinders	3
Aftertreatment	EGR, DOC, DPF
Emission level	Stage V

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

The LCD monitor displays additional engine data,
e.g. actual engine speed, working hours, battery voltage,
fuel consumption and failures in clear text (Multilanguage support)

Fuel system

- Composite fuel tank 300 L (80 US Gallon)
- Fuel tank cap Ø 100 mm (4 inch)
- Electronic fuel injection system

Electrical system & safety features

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

PUMPS FROM HOLLAND

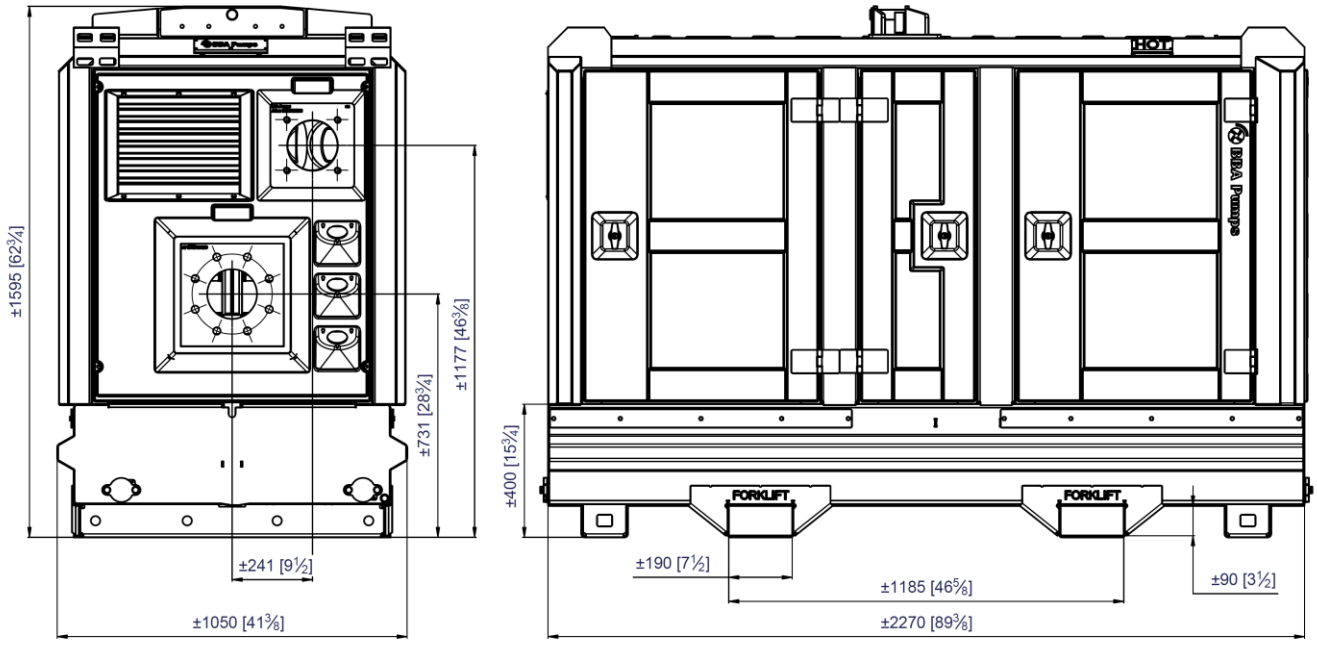
CANOPY M10-23X

BBA sound attenuating canopy

Canopy type	M10-23X
Dimensions L x W x H	2270 x 1050 x 1595 mm
Dimensions L x W x H	89.4 x 41.3 x 62.8 inch
Basic frame	Hot dip galvanized
Doors	6 lockable composite doors
Fuel tank	PE net 300 ltr (80 US gallon)
Fuel tank autonomy	30-35 hours (at 2100 rpm BEP)
Fuel tank cap	100 mm (4 inch)
Electrical isolation	Battery isolator switch
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
Connections	Please consult “auxiliary items” in overleaf
Sound power level (L_{WA})	92 dB(A) according ISO 3744:2010
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 bunded, corrosion-free, 300 liter, 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.

Pictures used are for illustration purposes only.

PUMPS FROM HOLLAND

AUXILIARY ITEMS

Discharge connections

Art.nr.		Ø inch	Ø mm	Connection
5080873	30°	6	150	Flange K240
1516604209	30°	8	200	Flange K295
5080876	30° female (cup)	6	150	System B
5080881	30° male (ball/lever)	6	150	System B
5080877	30° male (ball)	6	150	System C
5080882	30° female (cup/lever)	6	150	System C

Suction connections

Art.nr.		Ø inch	Ø mm	Connection
5080884	30°	6	150	Flange K240
1516604208	30°	8	200	Flange K295
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
7047054	6	150	Flange K240
7047057	8	200	Flange K295
7047007	6	150	System B male (ball/lever)
7047037	6	150	System C female (cup/lever)

Suction hose with strainer L=6 metre

Art.nr.	Ø inch	Ø mm	Connection
7047055	6	150	Flange K240
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)

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

PUMPS FROM HOLLAND