

BA150KS DriveOn®

Diesel Driven Pump for Sewage and Trash
Max. 400 m³/hour, Max. 27 mwc



Pump specifications:

Type.....	BA150KS D285
Max. flow	400 m³/hour (1760 US gpm)
Max. pressure.....	27 mwc (89 ft.)
Connections.....	DN150 (6")
Solids handling	100 mm (4")
Impeller type	Screw channel impeller
Priming system	BBA MP50
Engine	DriveOn®
Emission level.....	Stage V – Tier 4 final
Canopy	M10-23X
Sound level LPA.....	61 dB(A) at 10 m
Dry weight.....	1630 kg (3590 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 banded unit eliminating fuel/oil spills at all times

Complete package designed & built by BBA Pumps

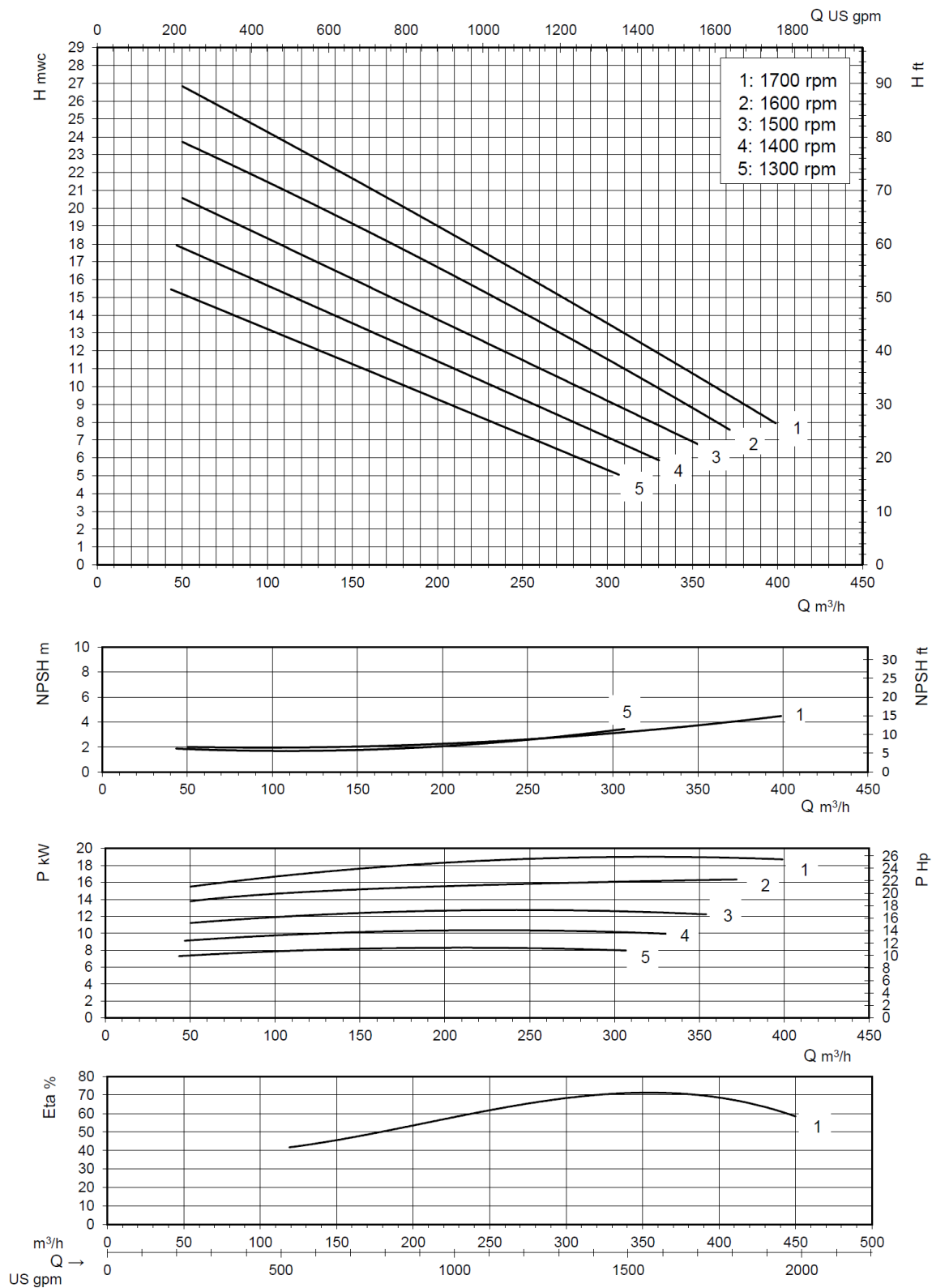
- Complete in-house design & production
- Over 70 years of experience in the market
- Extensive testing facility in-house
- Contemporary & functional design
- Durable & eco-friendly materials
- Custom builds available

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

Continuous duty according ISO 9906



STANDARD TECHNICAL SPECIFICATIONS

BBA auto prime pump

Pump type.....	BA150KS D285
Max. flow.....	400 m³/hour (1760 US gpm)
Max. head.....	27 mwc (89 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

Type.....	DriveOn®
Oil change interval.....	1500 running hours
Maximum power output.....	<19 kW (21.7 Hp)
Variable engine speed.....	1300 - 1700 RPM
Fuel consumption.....	235 g/kWh
Displacement.....	1,952 cm³
Number of cylinders.....	4
Aftertreatment.....	No aftertreatment
Emission level.....	Stage V – Tier 4 final



DriveOn®

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

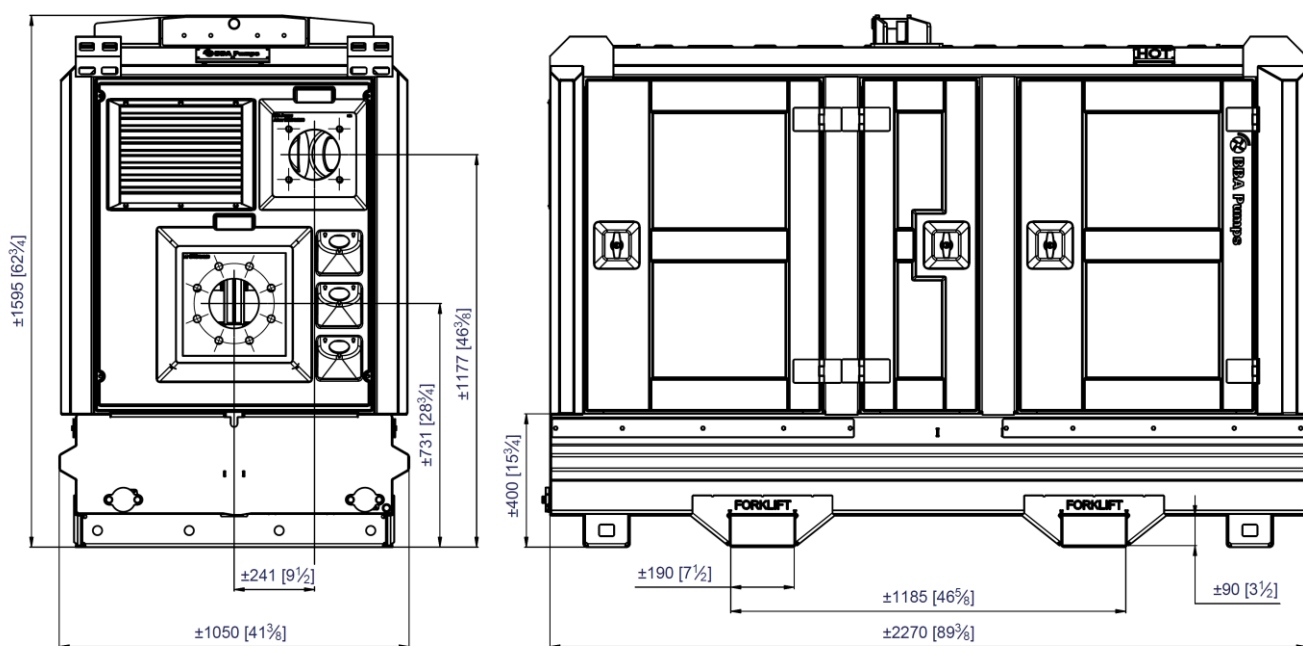
- Nominal voltage 12 Volt
- Premium quality battery
- Low oil pressure shut down

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	55 hours (at 1700 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})	90 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.

DriveOn®

DriveOn® technology

- Service interval 1500 hours
- 66% less often maintenance
- Saving on engine oil & filters
- Ergonomic design



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.




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	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