



DIESEL DRIVEN DEWATERING AND SEWAGE PUMP BA150E D285 GL



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.

PUMP SPECIFICATIONS

Type	BA150E D285
Max. Flow	475 m ³ /hour (2091 US GPM)
Max. Pressure	35 mwc (115 ft.)
Connections	DN 150 (6")
Solids Handling	80 mm (3,15")
Impeller Type	Semi-open impeller
Priming System	BBA MP50
Engine	Perkins 404D-22T
Canopy	M10-23
Weight (net)	1600 kg (3527 lb)
Sound level	61 dB(A) at 10 m

KEY FEATURES

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
- Exhaust system prepared for installation DPF/DOC
- Corrosion free hot dip galvanised canopy
- Corrosion free composite door panels
- 100% Oil-spill free priming system
- Fully bundled unit eliminating fuel/oil spills

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

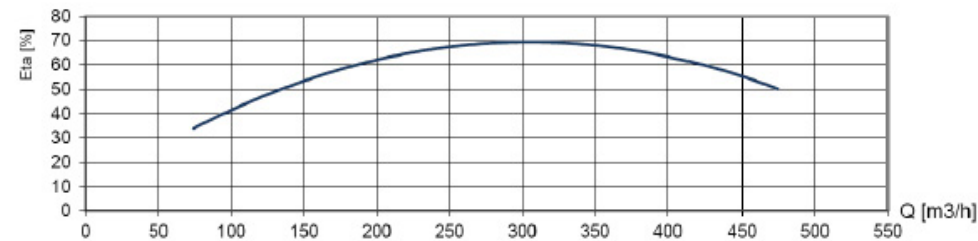
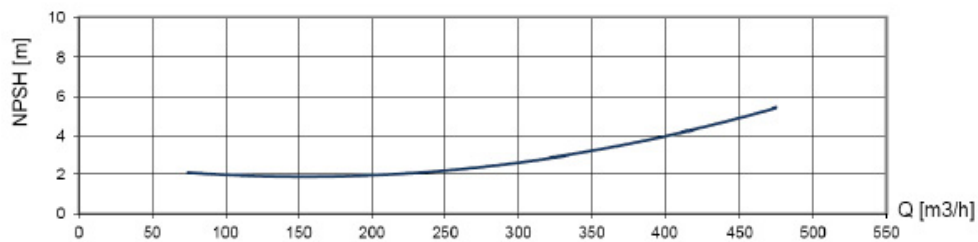
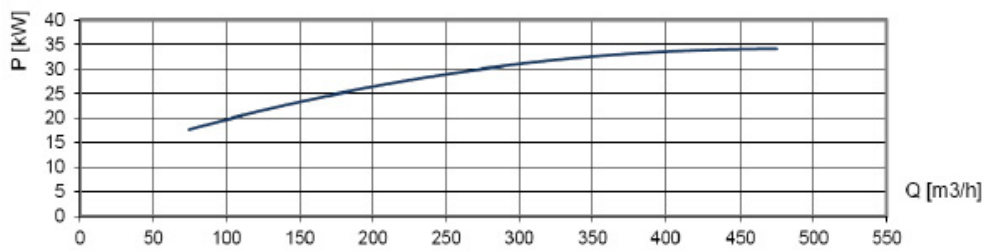
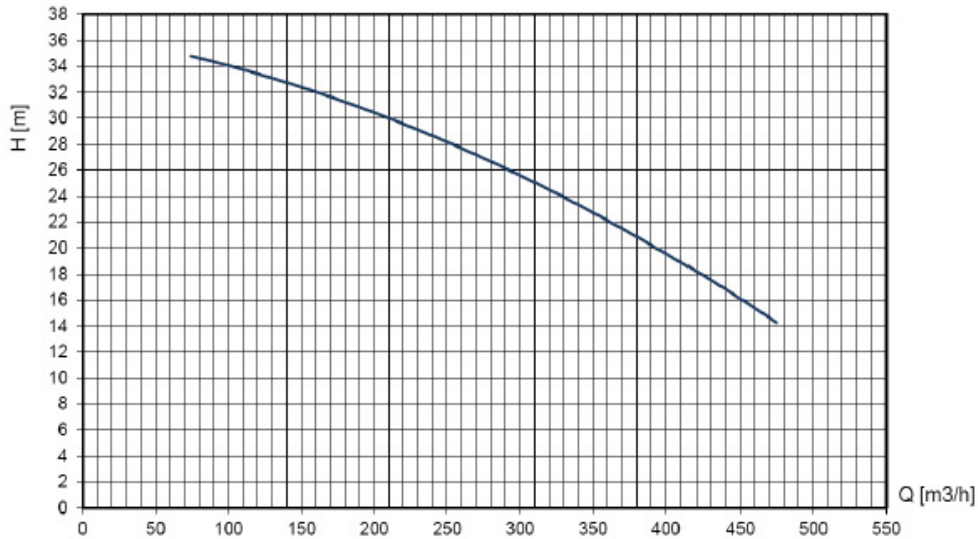




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PERFORMANCE CURVES (1750 RPM)

Continuous duty according ISO 9906



Engine speed	H mwc	Capacity Q in m ³ /h				Fuel consumption (BEP)
		150	250	350	450	l/h
1750		32	28	23	16	9
1700		29	25	20	14	8
1600		25	21	16	10	7
1500		22	18	13	6	6



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BBA AUTO PRIME PUMP SPECIFICATIONS

Pump type	BA150E D285
Max. flow	475 m3/hour (2090 US GPM)
Max. head	35 mwc (115 feet)
Impeller type	Semi open impeller
Solids handling	80 mm (3.15 inch)
Pump casing	Cast iron GG20
Impeller	Chrome Moly 42CrM04
Wear Plate	Chrome Moly 42CrM04
Pump shaft	C45
Shaft seal	Mechanical seal
Seal faces	Tung/Sic
Seal rubbers	Viton

BBA PRIMING SYSTEM SPECIFICATIONS

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)
Start/stop	Fully automatic
Float box	Aluminium
Non return valve	Cast iron GG25
Check valve disc	Buna-N

ENGINE SPECIFICATIONS

Engine Brand	Perkins
Engine type	404D-22T
Flywheel power	36.4 kW (49 Hp)
Max. engine speed	1500 – 1750 RPM
Fuel consumption	237 g/kWh
Displacement	2.2 l
Number of cylinders	4
Cooling system	Water cooled
Exhaust emission EU	Stage IIIA
Exhaust emission US	Tier 3

BBA DASHBOARD LC20 SPECIFICATIONS

Auto start/stop system
Two float switches included (10m cable)
Switch Manual-0-Auto
Tachometer
Hour counter
Warning lights "oil and engine temperature"
Warning light "auto stand-by"



Fuel System

- PE fuel tank 300 L. net (80 US Gallon)
- Fuel tank cap Ø 100 mm
- Mechanical fuel injection system
- Fitted with water separator & extra in-line fuel filter

Electrical system & safety features

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



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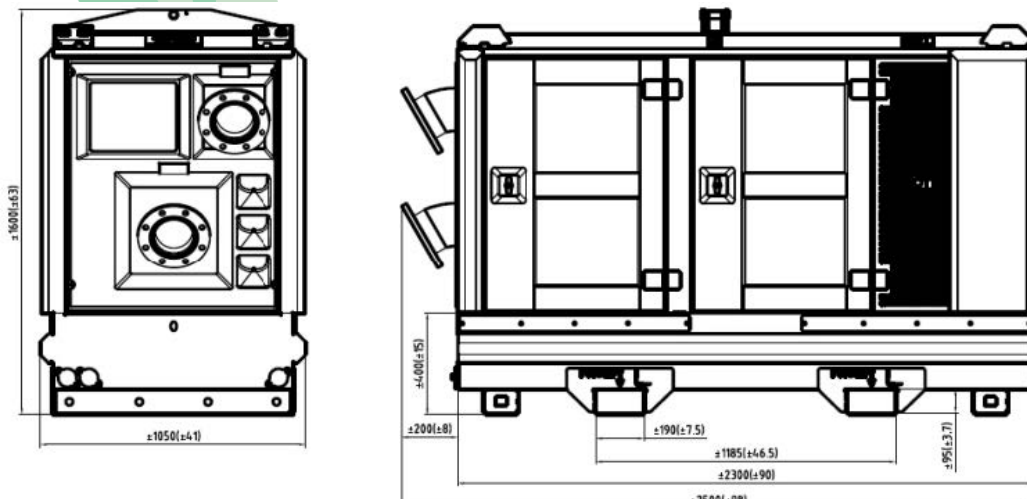
CANOPY M10-18 SPECIFICATIONS

BBA SOUND ATTENUATING CANOPY

Canopy type	M10-23
Dimensions L x W x H	2270 x 1050 x 1533 mm
Dimensions L x W x H	89.4 x 41.3 x 60.4 inch
Basic frame	Hot dip galvanised
Panels	ABS/ASA
Doors	4 Easy-access doors (lockable)
Fuel tank	PE net 300 ltr (80 US Gallon)
Fuel tank autonomy	32 hours (at 1750 rpm BEP)
Fuel tank cap	100 mm (4 inch)
Forklift pockets	Fitted with 2 forklift pockets
Lifting point	Fitted with single lifting point
Stackable	Canopy is stackable
Oil drain pump	Please consult "auxiliary items" in overleaf
Connections	Please consult "auxiliary items" in overleaf
Exhaust system	Fully integrated in canopy
Radiator box	Fitted with quick release system for easy cleaning
Additional	Fitted with oil-water separator

BBA E-lift® system

The M10-23 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) may vary depending on selected quick couplings.



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Semi-open impeller
Corrosion and abrasion resistant
Chrome Moly (42CrM04) alloy.



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



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



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.



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.



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 BA series
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.



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AUXILIARY ITEMS

9305002 M10-23 Kit

K0 Oil drain pump
External Fuel tank connections
Battery Isolator switch



Discharge Connections

Art.nr.		Ø inch	Ø mm	Connection
05080873	30	6	150	Flange K240
1516604209	30	8	200	Flange K295
05080876	30 female (cup)	6	150	system B
05080881	30 male (ball/lever)	6	150	system B
05080877	30 male (ball)	6	150	system C
05080882	30 female (ball/lever)	6	150	system C



Suction Connections

Art.nr.		Ø inch	Ø mm	Connection
05080884	30	6	150	Flange K240
1516604208	30	8	200	Flange K295
05080889	30 female (cup)	6	150	system B
05080890	30 male (ball/lever)	6	150	system B
05080887	30 male (ball)	6	150	system C
05080888	30 female (ball/lever)	6	150	system C



Suction hose with strainer L=5 metre

Art.nr.	Ø inch	Ø mm	Connection
07047054	6	150	Flange K240
07047057	8	200	Flange k295
07047007	6	150	System B male (ball/lever)
07047037	6	150	System C female (cup/lever)



Suction hose with strainer L=6 metre

Art.nr.	Ø inch	Ø mm	Connection
07047055	6	150	Flange K240
07047058	8	200	Flange k295
07047008	6	150	System B male (ball/lever)
07047038	6	150	System C female (cup/lever)





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M ³ /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	2.88	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	1.56
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

