



## BA150E Diesel Driven

Dewatering and Sewage Pump  
Max. 475 m3/hour, Max. 35 mwc



### Pump specifications:

- Type ..... BA150E D285
- Max. flow ..... 475 m3/hour (2091 US GPM)
- Max. pressure ..... 35 mwc (115 ft.)
- Connections ..... DN150 (6")
- Solids handling ..... 80 mm (3,15")
- Impeller type ..... Semi-open impeller
- Priming system ..... BBA MP50
- Engine ..... Perkins 404D-22T
- Basic frame ..... BF10-23
- Weight (net) ..... Approx. 1400 kg (3080 lb)

## 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
- 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 bunded unit 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

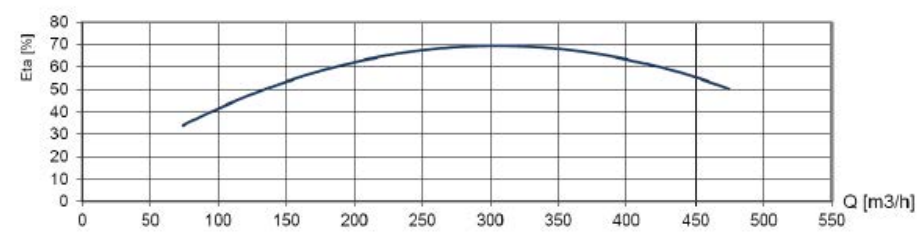
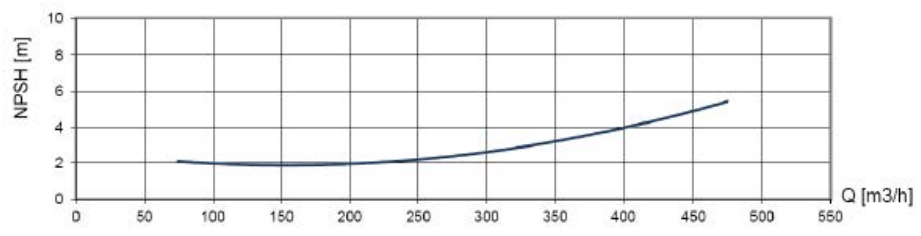
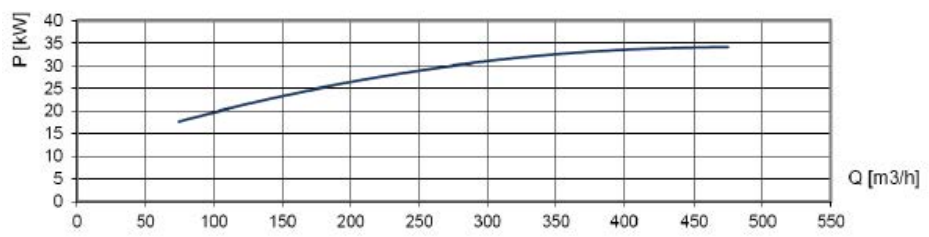
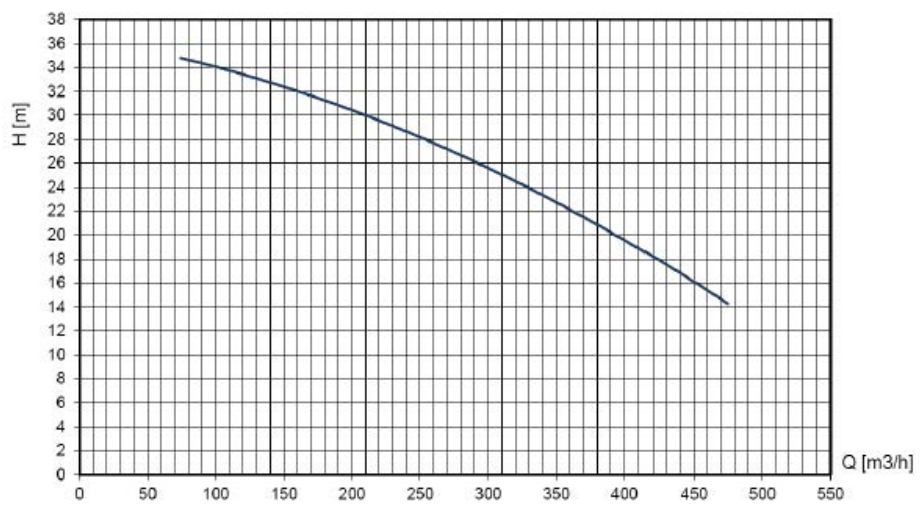




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**PERFORMANCE CURVES (1750 RPM)**

Continuous duty according ISO 9906



Engine speed		Capacity Q in m <sup>3</sup> /h				Fuel consumption (BEP)
rpm	H mwc	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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**STANDARD TECHNICAL SPECIFICATIONS**

**BBA auto prime pump**

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**

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 ..... Perkins  
 Engine type ..... 404D-22T  
 Flywheel power ..... 36 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**

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



**Fuel system**

- PE fuel tank 140 L. net (36 US Gallon)
- Fuel tank cap Ø 60 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
- High temperature shut down



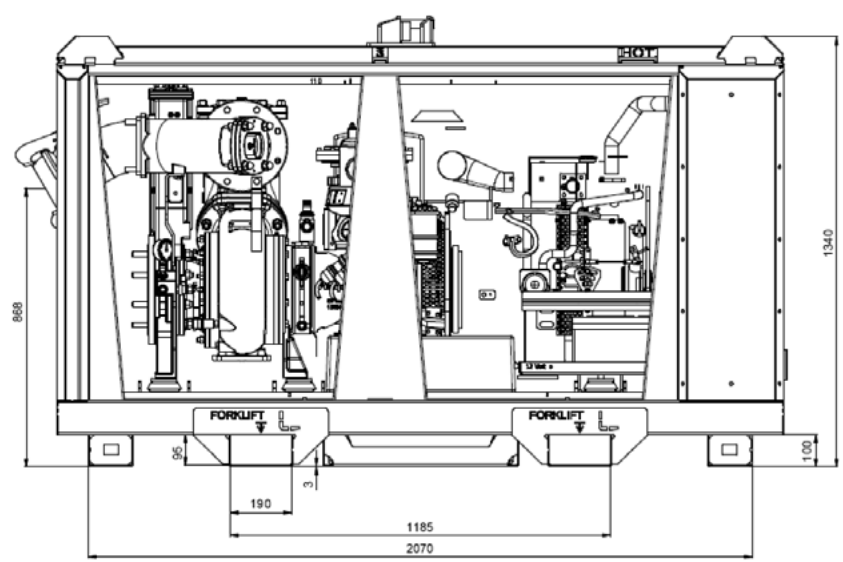
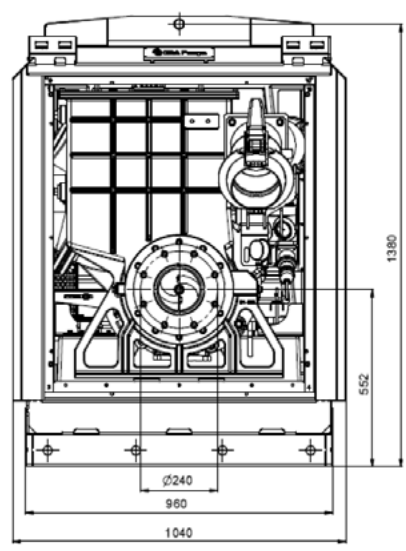


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**CANOPY M10-18**

**BBA open diesel unit**

- Frame model..... BF10-23
- Dimensions L x W x H ..... Approx. 2270 x 1040 x 1340 mm (without connections)
- Dimensions L x W x H ..... Approx. 89 x 41 x 53 inch (without connections)
- Basic frame ..... Hot dip galvanised
- Panel ..... Composite grill panel
- Fuel tank ..... Composite tank net 140 ltr (36 US Gallon)
- Fuel tank autonomy ..... 15 hours (at 1750 rpm BEP)
- Fuel tank cap ..... 60 mm (2.5 inch)
- Forklift pockets..... Fitted with 2 forklift pockets
- Lifting point ..... Fitted with single lifting point
- Connections ..... Please consult “auxiliary items”
- Exhaust system ..... Exhaust is mounted on the engine
- Radiator box ..... Genuine Perkins
- Documentation box ..... Including genuine BBA user manual & BBA warranty book



Actual dimensions (in mm) may vary depending on selected quick couplings.



EXCLUSIVE DEALER



# BA150E Diesel Driven Dewatering and Sewage Pump Max. 475 m3/hour, Max. 35 mwc



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



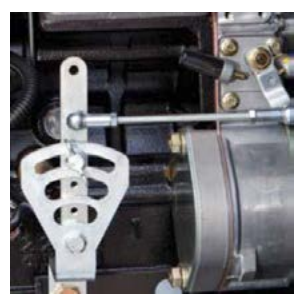
**Priming system**  
Diaphragm pump, air-cooled, water-resistant and oil-spillage free. Air capacity of 50 m3 per hour.



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



**Fuel tank**  
Corrosion-free, 140 litre, high-density polyethylene (HDPE) fuel tank, located in base of frame.



**Speed control**  
Variable speed control between 1500 rpm. and 1750 rpm.



**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 BA series**  
Extensive user manual with important information concerning the pump unit, pump installation and safety warnings. Available in several languages.






**NPE**  
NATIONAL PUMP & ENERGY




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**AUXILIARY ITEMS**


**Site Trailer Kit**

<b>3031720310</b>	<b>Trailer Kit</b>	
	Off-road design	
	Towbar is height-adjustable	
	Not permitted on public road	
M10-23 / ET10-23 / BF10-23		


**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 (cup/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 (cup/lever)	6	150	System C	

**Suction hose with strainer L=5 metre**

Art.nr.	Ø mm	Ø inch	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 mm	Ø inch	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)	

M <sup>3</sup> /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

