



Pump specifications:

Type.....BA150E D285
 Max. flow2091 US GPM (475 m³/hour)
 Max. pressure..... 124 ft. / 54 PSI (37 mwc)
 Connections.....6" (DN 150)
 Solids handling 3,15" (80 mm)
 Impeller type Open impeller
 Priming system BBA MP50
 Engine Perkins 404D-22T
 Canopy M10-23
 Weight (net) 3527 lb (1600 kg.)
 Sound level.....61 dB(A) at 33 ft.

FEATURES

BA auto prime pump

The BA range of pumps have 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
- Emissions in accordance with EU stage & US EPA Tier regulations
- Corrosion free hot dip galvanised 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 en 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

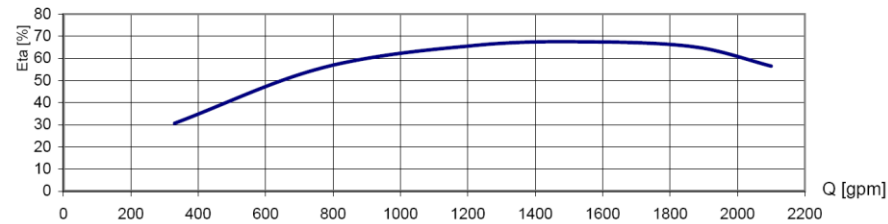
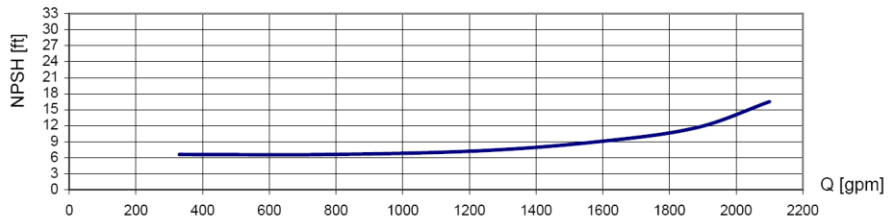
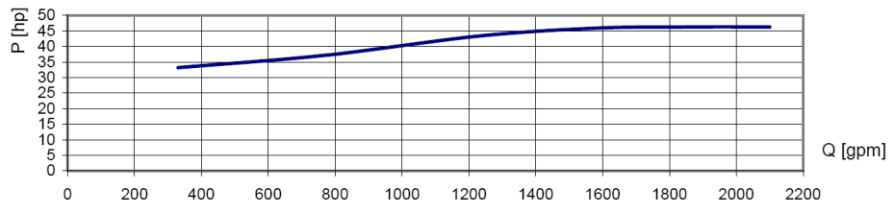
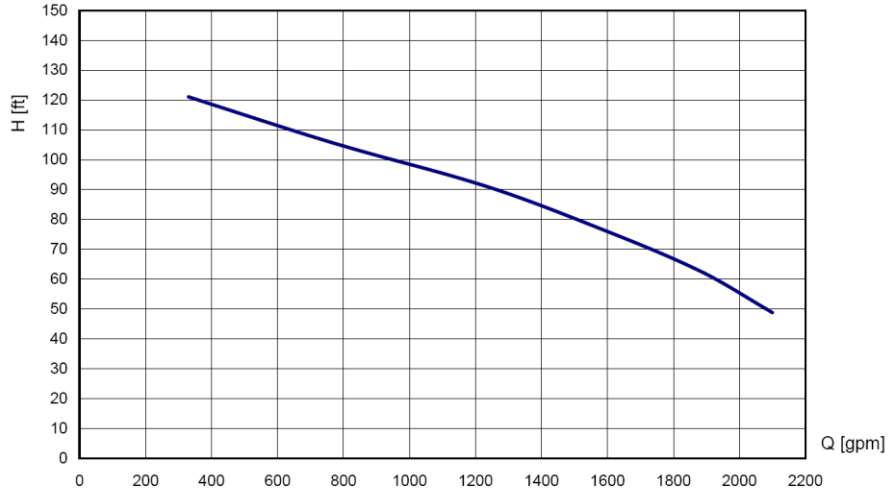
After sales service & product support

- 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 (1800 RPM)

Continuous duty according ISO 9906



Engine speed rpm	H Ft.	Capacity Q in US GPM				Fuel consumption (BEP) (GPH)
		660	1100	1540	1980	
1800	111	97	80	57	2,7	
1700	97	84	67	47	2,1	
1600	84	70	54	34	1,8	
1500	74	60	44	20	1,6	

STANDARD TECHNICAL SPECIFICATIONS

BBA auto prime pump

Pump type.....	BA150E D285
Max. flow.....	2090 US GPM (475 m ³ /hour)
Max. head.....	125 feet / 54 PSI (37 mwc)
Impeller type	Open impeller
Solids handling	3.15 inch (80 mm)
Pump casing.....	Cast iron GG20
Impeller	Chrome Moly 42CrM04
Wear plate	Chrome Moly 42CrM04
Pump shaft.....	C45
Shaft seal.....	Mechanical seal 2.36 inch (60mm)
Seal faces	Tung/Sic
Seal rubbers	Viton

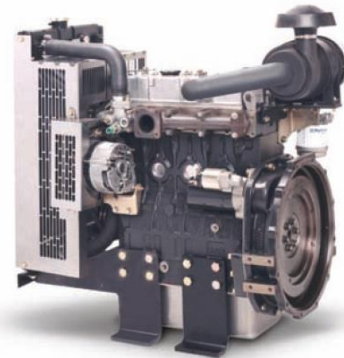


BBA priming system

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	St 37 hot dip galv.
Non return valve	Cast iron GG25
Check valve disc.....	Buna-N

Engine

Engine brand	Perkins
Engine type.....	404D-22T
Flywheel power.....	50 Hp (37 kW)
Engine speed.....	1500 – 1800 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 4i



LOFA control panel

- Auto start/stop system
- Two float switches included (10m cable)
- Switch Manual-0-Auto
- Warning lights
- Safety features to protect the engine
- High resolution 4.3" LCD monitor



Fuel system

- PE fuel tank 80 US Gallon (300 L.) net
- Fuel tank cap Ø 4" (100 mm)
- Fuel gauge on tank
- Mechanical fuel injection system
- Fitted with water separator & extra in-line fuel filter

Electrical system & safety features

- Nominal voltage 12 Volt
- Premium quality battery 92 amp.
- Low oil pressure shut down
- High temperature shut down

CANOPY M10-23

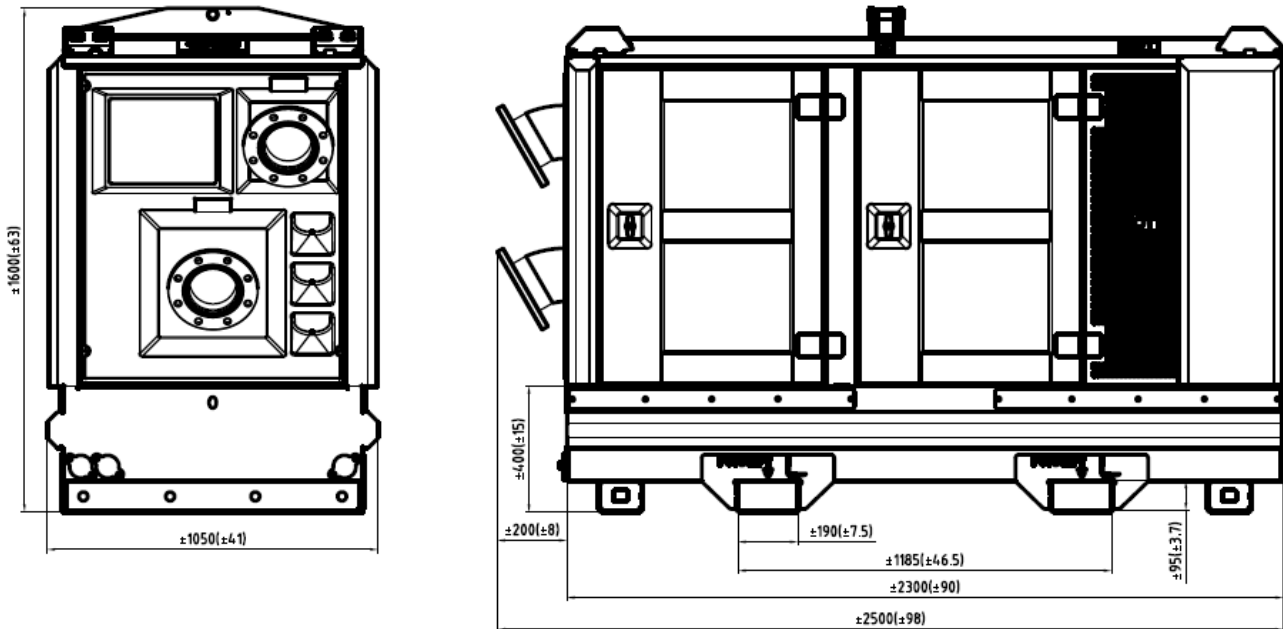
BBA sound attenuating canopy

Canopy type.....	M10-23
Dimensions L x W x H	89.4 x 41.3 x 60.4 inch
Dimensions L x W x H	2270 x 1050 x 1533 mm
Basic frame.....	Hot dip galvanised
Panels.....	ABS/ASA
Doors	4 Easy-access doors (lockable)
Fuel tank	PE net 80 US Gallon (300 ltr)
Fuel tank autonomy	30 hours (at 1800 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
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 & inches) may vary depending on selected quick couplings.



Open impeller
Corrosion and abrasion resistant Chrome Moly (42CrM04) alloy.



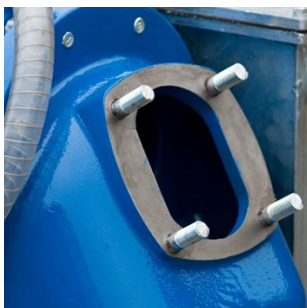
Easy to clean canopy
The units are silenced without using sound-dampening materials, allowing the canopies to be cleaned with a pressure washer.



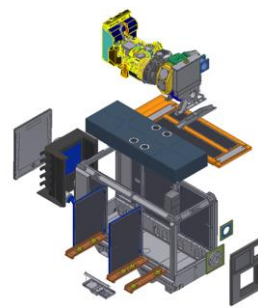
Easy inspection
Oil glasses, drain valves and fill plugs are all easily accessible.



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



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



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.




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.




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

Pictures used are for illustration purposes only.


AUXILIARY ITEMS
M10-23 Kit

1707214200	US Kit	
	- External fuel tank connections	
	- Battery isolator switch	
	- BBA mounting bracket	


Discharge connections

Art.nr.		Ø inch	Ø mm	Connection	
05080873	30°	6	150	ANSI/DIN Flange	
05080899	30°	8	200	ANSI Flange	
05080876	30° female (cup)	6	150	system B	
05080881	30° male (ball/lever)	6	150	system B	
05080813	30° female (cup)	8	200	system B	
05080809	30° male (ball/lever)	8	200	system B	

Suction connections

Art.nr.		Ø inch	Ø mm	Connection	
05080884	30°	6	150	ANSI/DIN Flange	
05080897	0°	8	200	ANSI Flange	
05080889	30° female (cup)	6	150	system B	
05080890	30° male (ball/lever)	6	150	system B	
05080914	0° female (cup)	8	200	system B	
05080911	0° male (ball/lever)	8	200	system B	

Suction hose with strainer L=6 metre

Art.nr.	Ø inch	Ø mm	connection	
07047055	6	150	ANSI/DIN Flange	
07047058	8	200	Flange K295	
07047008	6	150	System B male (ball/lever)	
07047038	6	150	System C female (cup/lever)	

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

US gallons	M3/H	FLOW (L/sec)	4"	5"	6"	8"	10"	12"
1110	252	70	100	125	150	200	250	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