



Pump specifications:

Type.....	BE160 D254
Max. flow	345 m ³ /hour (1518 US GPM)
Max. pressure	27 mwc (89 ft.)
Connections.....	DN150 (6")
Solids handling	80 mm (3,15")
Impeller type	Semi-open impeller
Engine	Perkins 404D-22
Emission standard ..	Stage IIIA / Tier 4i
Basic frame.....	BF10-23
Dry weight.....	1220 kg (2684 lbs)

FEATURES

B(E) self priming centrifugal pump

The B range of pumps has been designed with a clear focus on reliability, efficiency and durability, ranging from 1-1/2" to 12". Featuring an open impeller configuration in combination with a changeable wear plate, facilitating servicing and minimising costs of spares. All B series pumps are fitted with a non return valve in the suction port, eliminating the need for a foot valve in suction line and allowing quick priming.

Design features

- Basic, reliable technology
- Large solids handling capacity
- Suitable for use with hot fluids
- Wet self-priming
- Cooled shaft seal
- Extended life due to pump design

Fields of application

- Shipping
- Industry
- Construction
- Waste water management
- Emergency pump units
- Irrigation
- Agriculture

Complete package designed & built by BBA Pumps

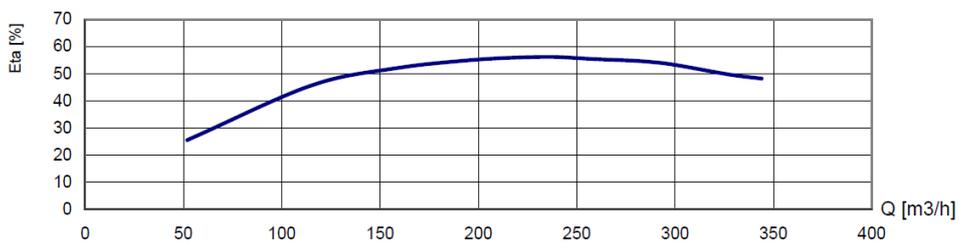
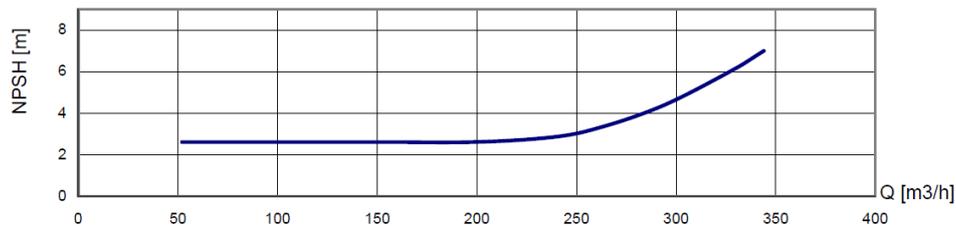
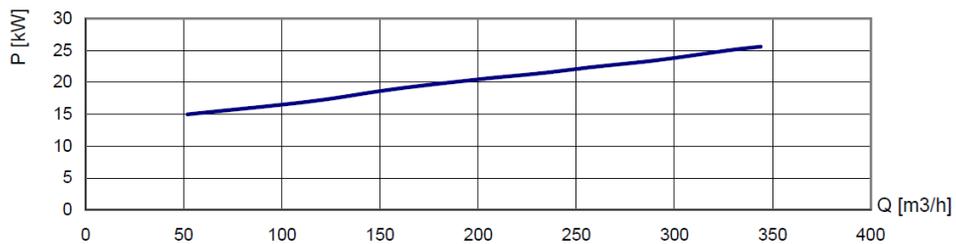
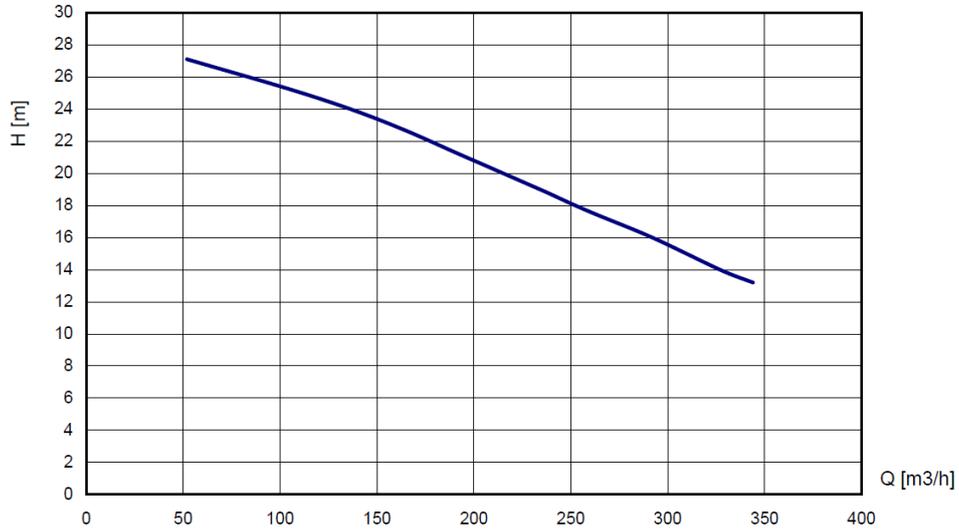
- Complete in-house design & production
- Over 60 years of experience in the market
- Extensive testing facility in-house
- Contemporary & functional design
- Durable & eco-friendly materials
- Custom builds available

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 mwc	Capacity Q in m ³ /h				Fuel consumption (BEP)
		50	150	250	320	l/h
1800		27	23	18	15	7
1700		24	20	16	13	6
1600		20	17	13	10	5
1500		17	14	10	7	4

STANDARD TECHNICAL SPECIFICATIONS

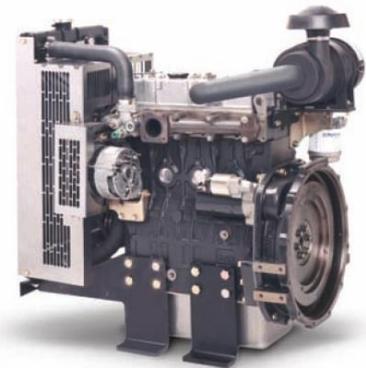
BBA self-priming pump

Pump type.....	BE160 D254
Max. flow.....	345 m ³ /hour (1518 US GPM)
Max. head.....	27 mwc (89 feet)
Impeller type.....	Semi-open impeller
Solids handling.....	80 mm (3.15 inch)
Pump casing.....	Cast iron GG20
Impeller.....	Cast iron GG25
Wear plate.....	Cast iron GG25
Pump shaft.....	C45
Shaft seal.....	Mechanical seal
Seal faces.....	Tung/Sic
Seal rubbers.....	Viton



Engine

Engine brand.....	Perkins
Engine type.....	404D-22
Flywheel power.....	26 kW (35 Hp)
Max. engine speed.....	1500 – 1800 RPM
Fuel consumption.....	243 g/kWh
Displacement.....	2.2 l
Number of cylinders.....	4
Cooling system.....	Water cooled
Emission level.....	Stage IIIA – Tier 4i equivalent



BBA dashboard LC20

- 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 140 L. net (37 US Gallon)
- Fuel tank cap Ø 60 mm
- Mechanical fuel injection system
- Fitted with water separator & extra in-line fuel filter

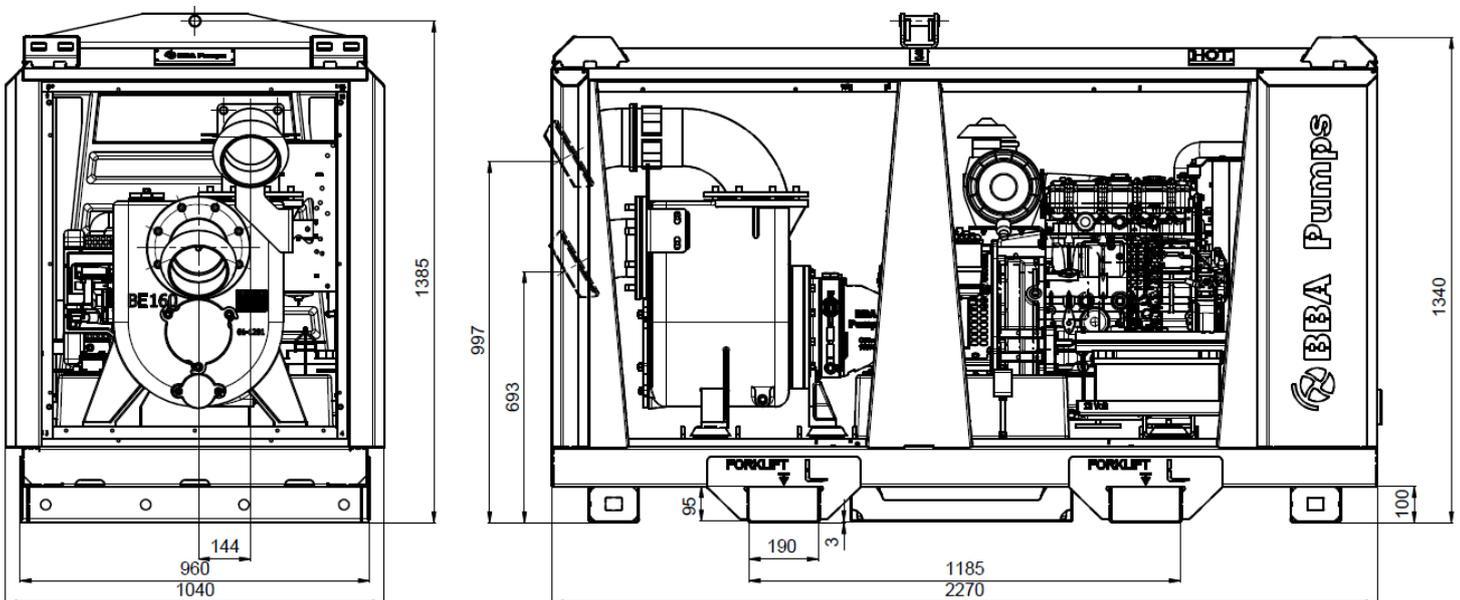
Electrical system & safety features

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

FRAME BF10-23

BBA open diesel unit

Frame	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 galvanized
Panel	Composite grill panel
Fuel tank	Composite tank net 140 ltr (37 US Gallon)
Fuel tank autonomy	20 hours (at 1800 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	Genuine Perkins
Document box	Including genuine BBA user manual & BBA warranty book



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



Excellent priming
The built-in non-return valve at the suction side prevents the pump casing from being siphoned empty when the pump stops. In this way, some liquid will always remain in the pump casing.



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



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



Large inspection covers
Easy access to impeller and non-return valve. And for filling the casing after the wintertime.



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 B(E) series
Extensive user manual with important information concerning the pump unit, pump installation and safety warnings. Available in 7 languages.

Pictures used are for illustration purposes only.

AUXILIARY ITEMS
Site Trailer Kit

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

Webasto engine heater

5646804565	Webasto Engine Heater	
	- For cold weather conditions	
	- Engine liquid heater	
	- Extra switch on control panel	

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)	