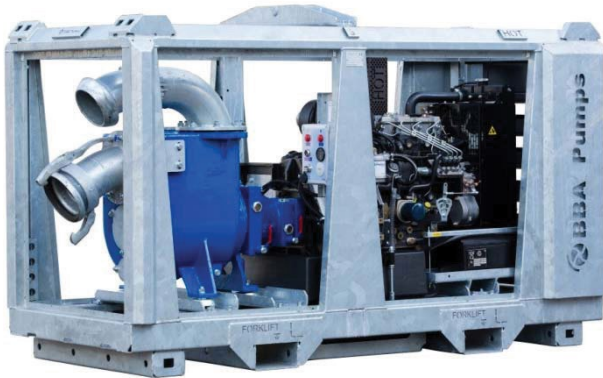


BE160 D254 Diesel

Self Priming Dewatering Pump

Max. 345 m³/hour, Max. 27 mwc



Pump specifications:

Type	BE160 D254
Max. flow	345 m ³ /hour (1518 US GPM)
Max. pressure	27 mwc (89 ft.)
Connections	DN 150 (6")
Solids handling	80 mm (3,15")
Impeller type	Semi-open impeller
Engine	Perkins 404D-22
Basic frame	BF10-23
Weight (net)	1220 kg (2684 lb.)

FEATURES

B(E) self priming centrifugal pump

The B range of pumps have 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

BE160 D254 Diesel

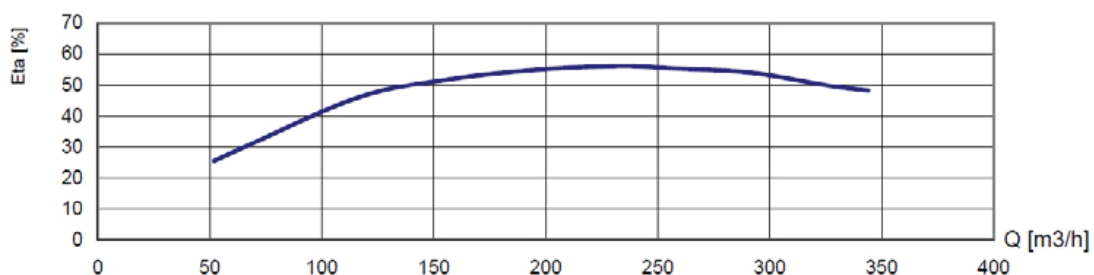
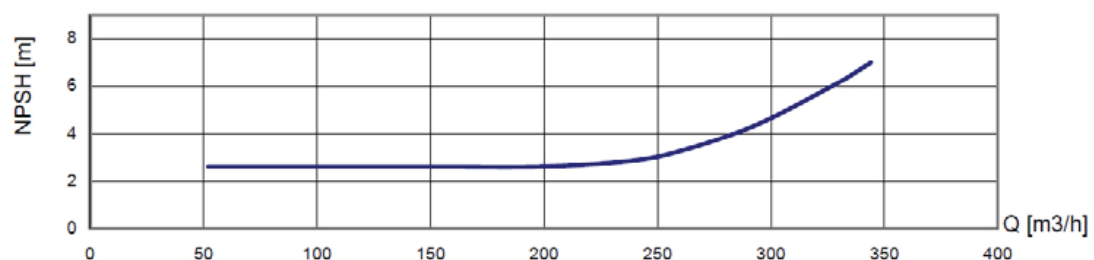
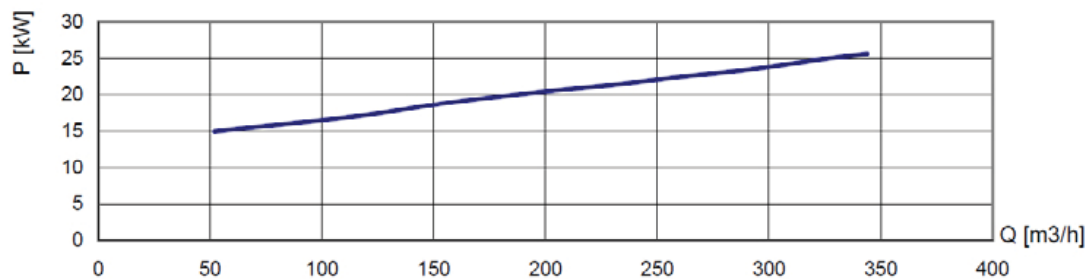
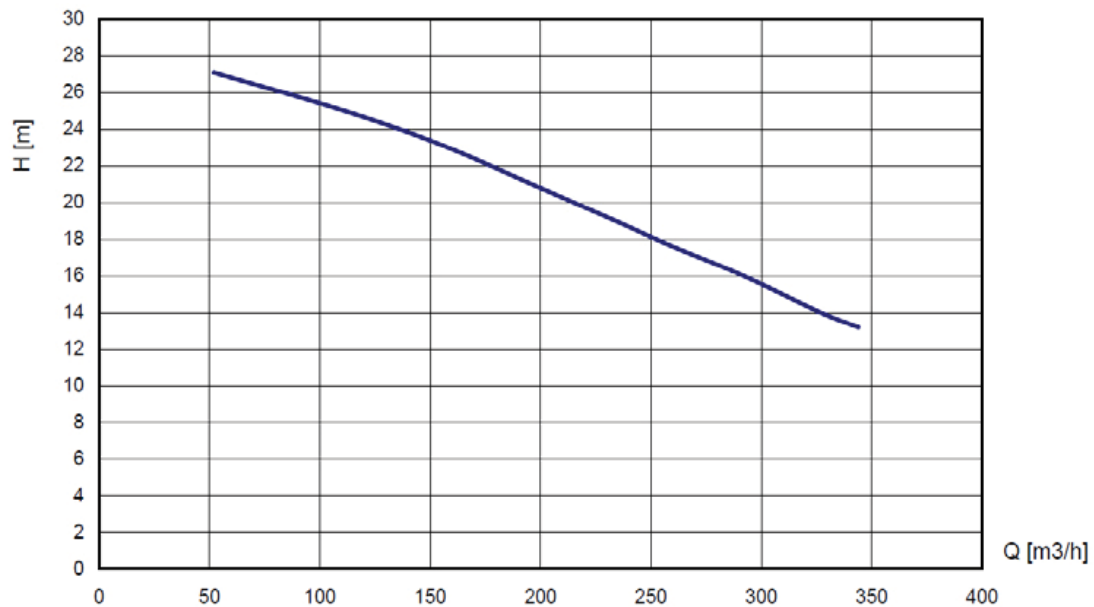
Self Priming Dewatering Pump

Max. 345 m³/hour, Max. 27 mwc



PERFORMANCE CURVES (1800 RPM)

Continuous duty according ISO 9906



BE160 D254 Diesel

Self Priming Dewatering Pump

Max. 345 m³/hour, Max. 27 mwc



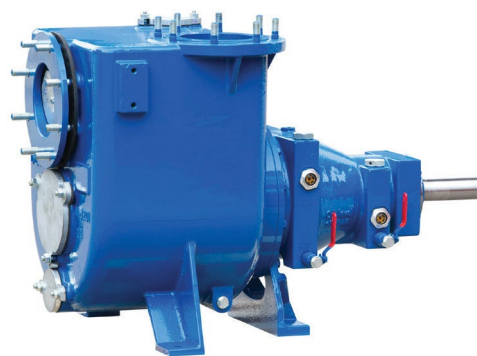
STANDARD TECHNICAL SPECIFICATIONS

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 GG20
Wear plate	Cast iron GG20
Pump shaft	C45
Shaft seal	Mechanical seal 45 mm (1.77 inch)
Seal faces	Tung/Tung
O-ring	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
Exhaust emission EU	Stage IIIB
Exhaust emission US	Tier 4i



BBA control panel

- Composite panel IP66
- Key switch
- Tachometer
- Hour counter
- Warning light "engine failure"
- Warning light "alternator"

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 92 amp.
- Low oil pressure shut down
- High temperature shut down

BE160 D254 Diesel

Self Priming Dewatering Pump

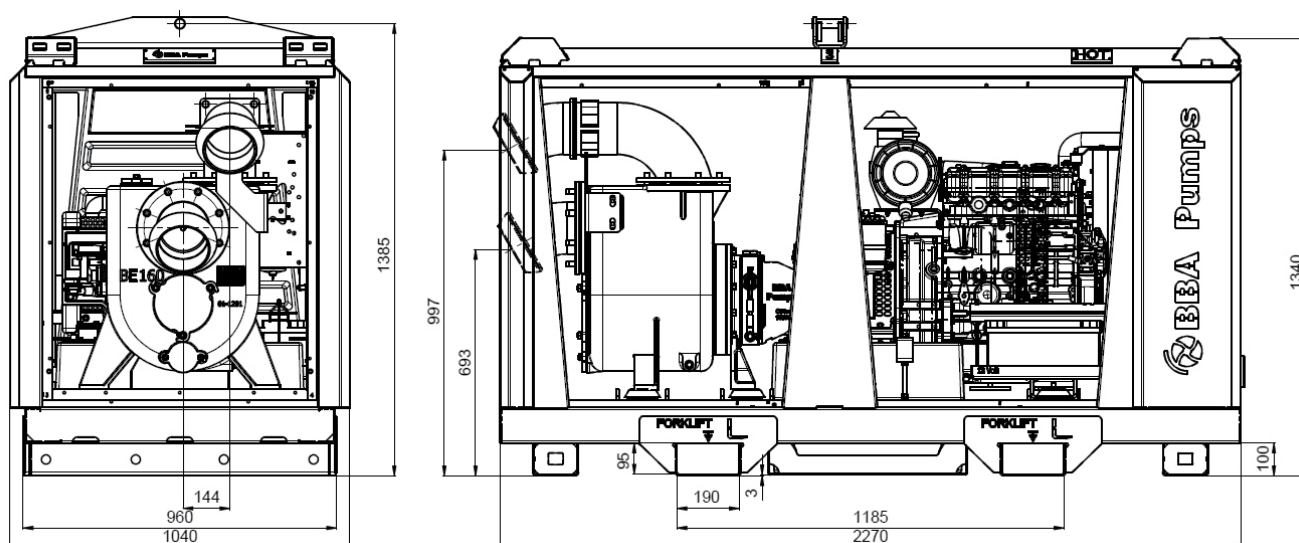
Max. 345 m³/hour, Max. 27 mwc



FRAME BF10-23

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 (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

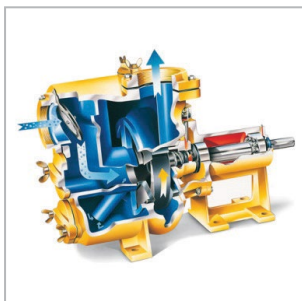


Actual dimensions (in mm and inches) may vary depending on selected quick couplings.

BE160 D254 Diesel

Self Priming Dewatering Pump

Max. 345 m³/hour, Max. 27 mwc



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.



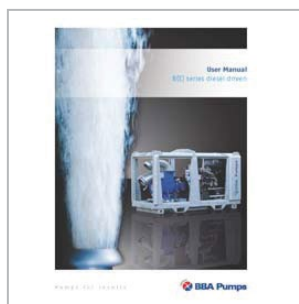
Large inspection covers

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.