BA400G Diesel Driven
High Flow Dewatering Pump
Max. 3200 m³/hour, Max. 25 mwc

Pump specifications:

Type	BA400G D540
Max. flow	3200 m³/hour (14080 US gpm)
Max. pressure	25 mwc (82 ft.)
Discharge x suction	16" x 20" flanges
Solids handling	100 mm (3.93")
Impeller type	Mixed flow impeller
Priming system	BBA MP100
Engine	Volvo Penta TAD542VE
Emission standard	Stage II
Canopy	M14-40
Sound level	Approx. 67 dB(A) at 10m
Dry weight	6300 kg (13,860 lbs)

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”.

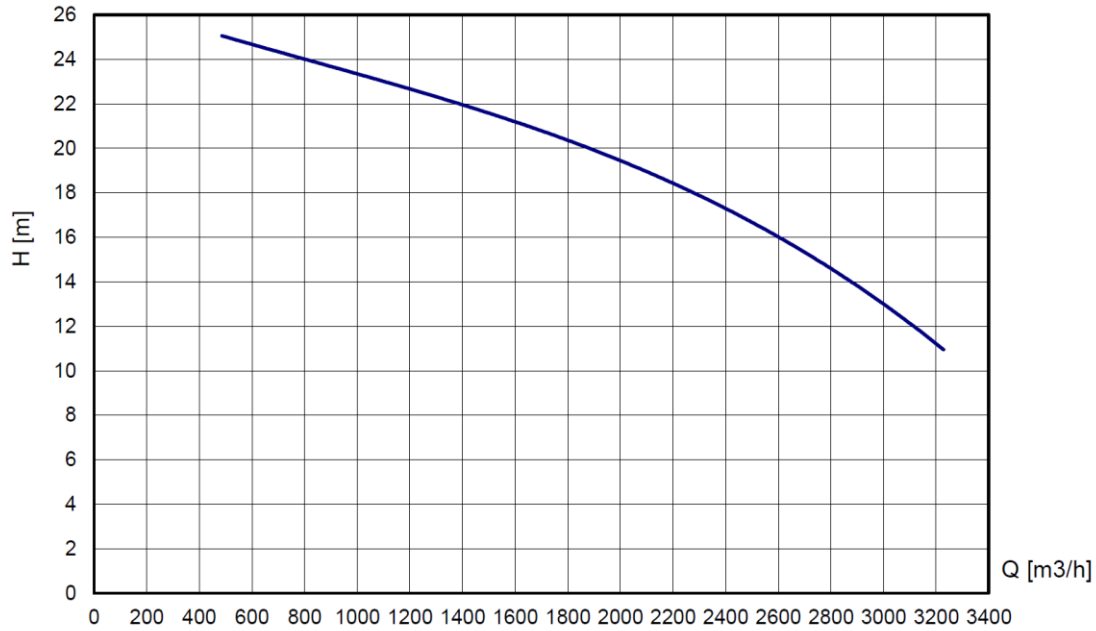
Sustainability
- High efficiency pumps minimising fuel consumption
- Corrosion free hot dip galvanised canopy
- Corrosion free composite door panels and powder coated plating
- 100% Oil-spill free priming system
- Fully bunded unit eliminating fuel/oil spills at all times

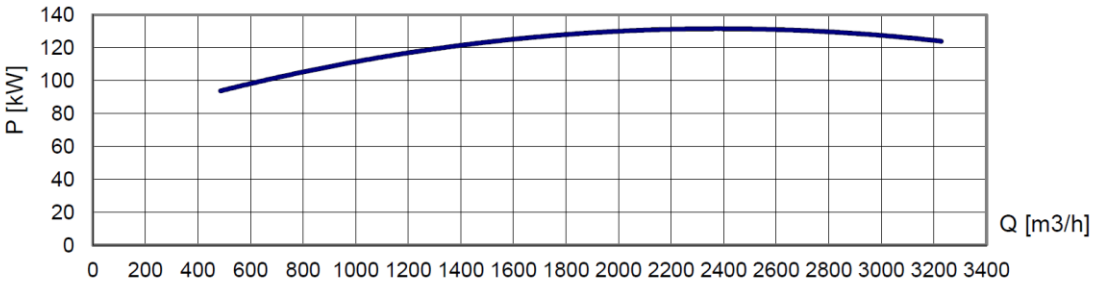
Complete package designed & built by BBA Pumps
- Complete in-house design & production
- Over 70 years of experience in the market
- Complete testing facility in-house
- Contemporary & functional design
- Durable & eco-friendly materials
- Custom builds available

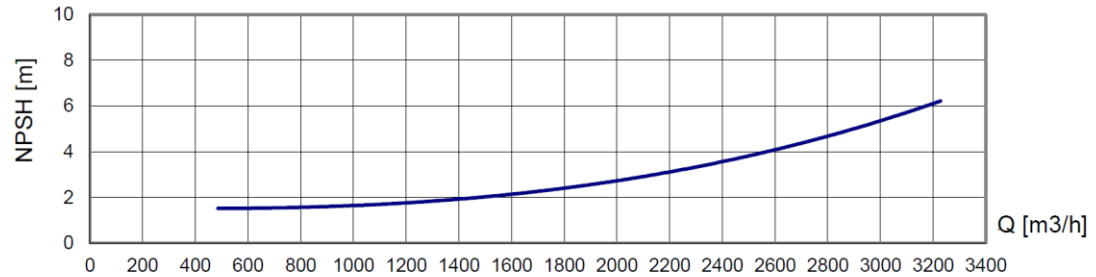
After sales service & product support
- Single supplier for parts, spares & accessories
- Dedicated customer help-desk (24h service)
- Dedicated service department in-house
- Global parts distribution network
- Optional global on-site servicing available
- Extensive training options available (technical & commercial), on-site or in-house

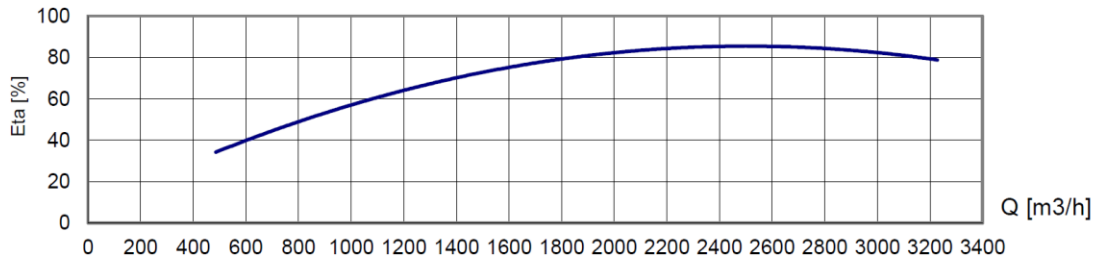
PERFORMANCE CURVES (885 RPM)

Continuous duty according ISO 9906









PUMPS FROM HOLLAND

STANDARD TECHNICAL SPECIFICATIONS

BBA auto prime pump

Pump type	BA400G D540
Max. flow	3200 m³/hour (14080 US gpm)
Max. head	25 mwc (82 feet)
Impeller type	Mixed flow impeller
Solids handling	100 mm (3.93 inch)
Best efficiency point	87%
Pump casing	Cast iron GG25
Impeller	Ductile iron GGG40
Pump shaft	42CrV6
Shaft seal	Mechanical seal

BBA priming system

Pump type	BBA MP100 Diaphragm pump
Air handling capacity	100 m³/h (59 CFM)
Max. vacuum	8.5 m (29 inHg)
Drive	Toothed belt
Float box	Aluminium
Float	Stainless steel 304
Non return valve	Cast iron GG25

Engine

Engine brand	Volvo Penta
Engine type	TAD542VE
Flywheel power	145 kW (197 Hp)
Engine speed	1620 RPM
Fuel consumption	205 g/kWh
Displacement	5.1 ltr
Number of cylinders	4
After treatment	NA
Emission level	Stage II

BBA control panel LC45

- Auto start/stop system
- Two float switches included (10m cable)
- Key switch
- Rpm. control with push buttons
- Warning lights
- 4.3" LCD display

The LCD monitor displays additional engine data,
e.g. actual engine speed, working hours, battery voltage,
fuel consumption and failures in clear text (Multilanguage support)

Fuel system

- Fuel tank composite 700 L. (185 US Gallon)
- Fuel tank cap Ø 100 mm
- Electronic fuel injection system

Electrical system & safety features

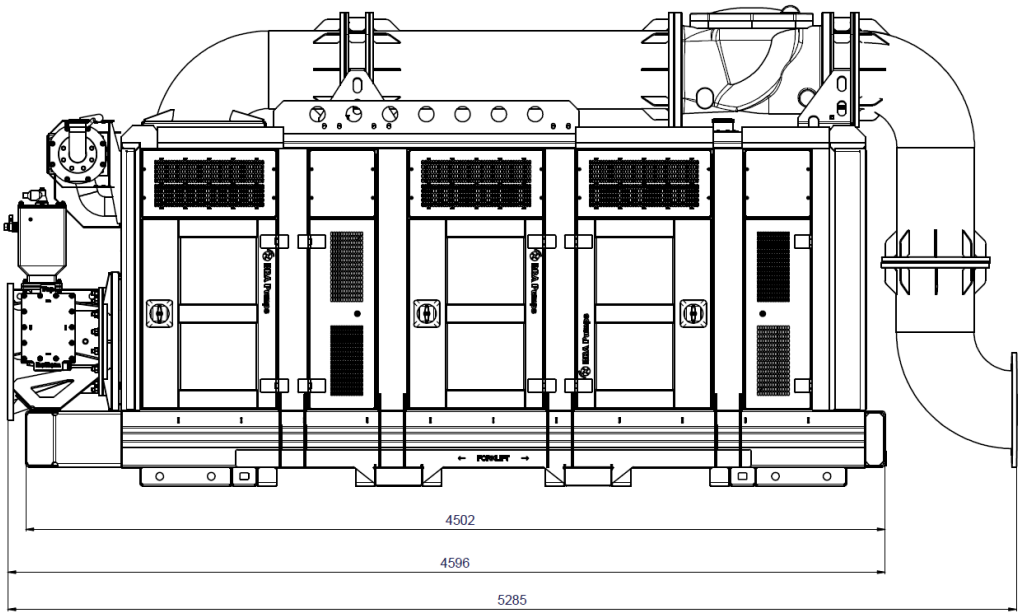
- Premium quality battery
- Low oil pressure shut down
- High temperature shut down

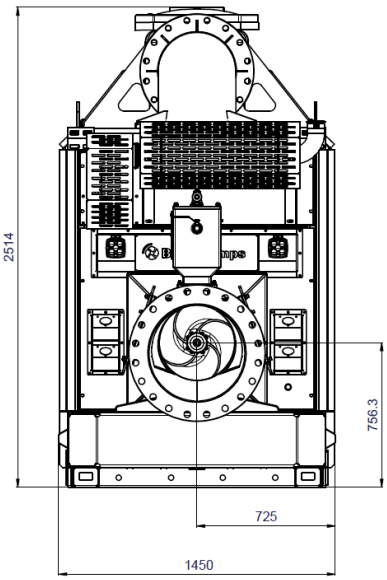
PUMPS FROM HOLLAND

CANOPY M14-40 (discharge roof pipe)

BBA sound attenuating canopy

Canopy type	M14-40
Dimensions L x W x H	5285 x 1450 x 2514 mm
Dimensions L x W x H	208 x 57 x 99 inch
Basic frame	Hot dip galvanised
Doors	8 composite easy-access doors (lockable)
Fuel tank	Composite 700 ltr (185 US Gallon)
Fuel tank cap	100 mm (4 inch)
Autonomy	18-20 hours (at BEP)
Forklift pockets	Fitted with 2 forklift pockets
Lifting point	Fitted with lifting points
Connections	Flange connections
Exhaust system	Exhaust mounted in and outside the canopy
Additional	Fitted with oil-water separator
Documentation box	BBA user manual and warranty book





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

BBA Pumps

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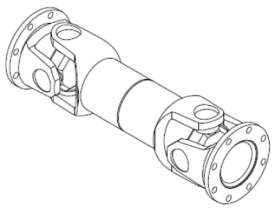
High Flow Dewatering Pump
Max. 3200 m^3/hour, Max. 25 mwc

Factory Acceptance Test
Extensive testing facility in-house. FAT must be conducted formally and be witnessed by the owner and/or project manager.

LED lights
Fully integrated in the canopy for easy operation throughout the evening and night.

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

Fully bunded unit
Fully bunded unit eliminating fuel/oil spills at all times.



Cardan shaft
Cardan shaft between pump and diesel engine for smooth operation, assembly angle 2.5° - 3°

Ratio transmission gearbox
Hydraulically actuated clutches and helical gearing for a smooth operating speed reduction between engine and pump.

Double vacuum pump
Diaphragm pump, water-resistant and oil-spillage free. Air capacity of 100 m^3 per hour.

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.

Pictures used are for illustration purposes only.

PUMPS FROM HOLLAND