

BBA 400G Diesel Driven

High Flow Dewatering Pump

Max. 3200 m³/hour, Max. 25 mwc



Pump specifications:

Type.....BA400G D540
 Max. flow3200 m³/hour (14080 US GPM)
 Max. pressure25 mwc (82 ft.)
 Connections.....Suction DN500 – Discharge DN400
 Solids handling100 mm (3,93")
 Impeller typeAxial flow impeller
 Priming systemBBA MP100
 EngineVolvo Penta TAD572VE
 Emission standard ..Stage IV / Tier 4 final
 CanopyM14-40
 Sound level.....65 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
- 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 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
- 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

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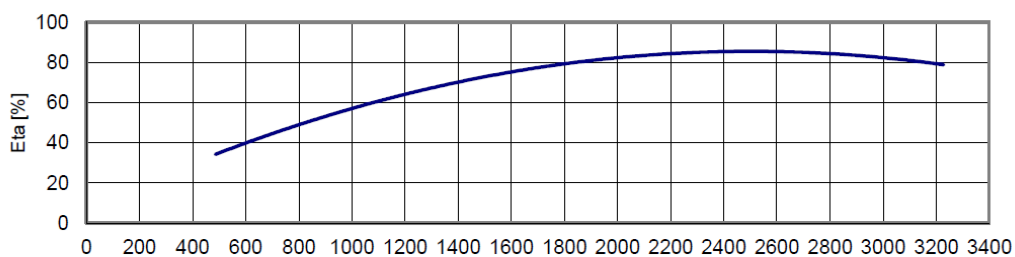
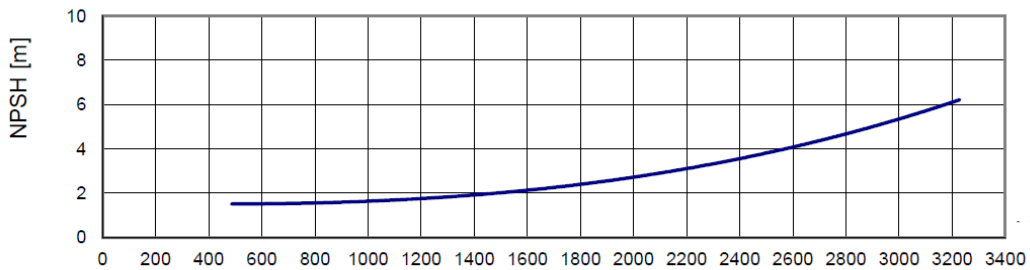
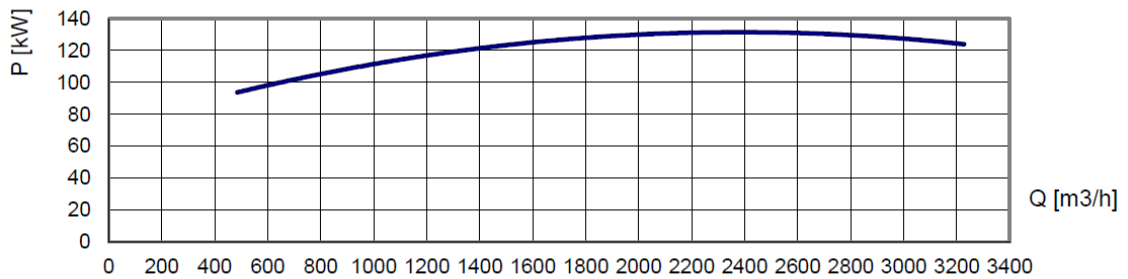
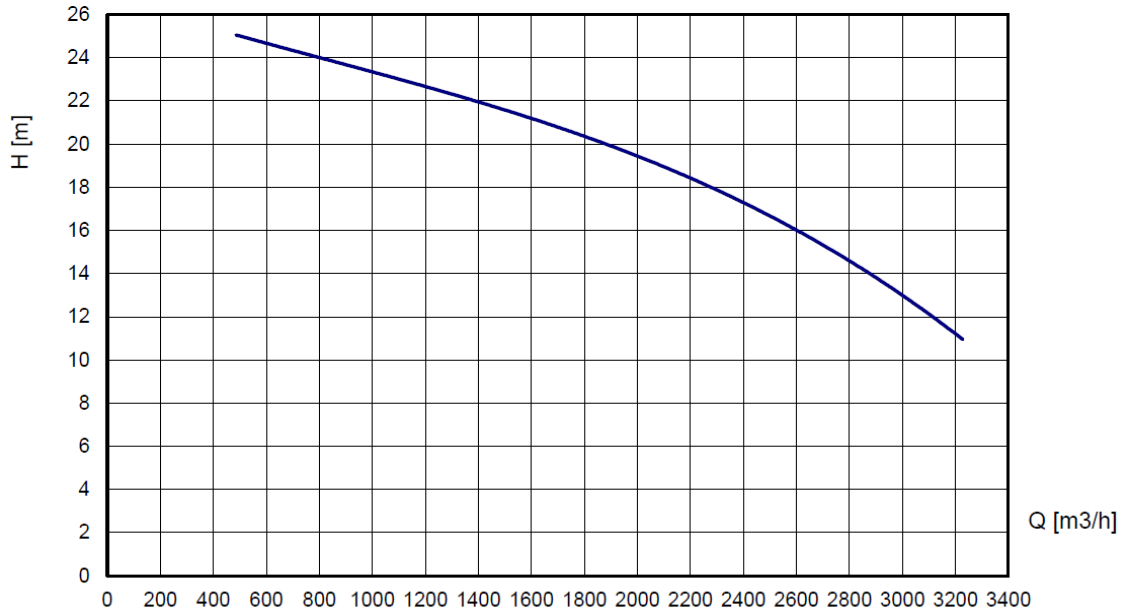
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PERFORMANCE CURVES (885 RPM)

Continuous duty according ISO 9906



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Ultra High Flow Dewatering Pump

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STANDARD TECHNICAL SPECIFICATIONS

BBA auto prime pump

Pump type.....	BA400G D540
Max. flow.....	3200 m ³ /hour (14080 US GPM)
Max. head.....	25 mwc (82 feet)
Impeller type.....	Axial flow impeller
Solids handling.....	100 mm (3,93 inch)
Best efficiency point.....	87%
Pump casing.....	Cast iron GG20
Impeller.....	Ductile iron GGG40
Pump shaft.....	42CrV6
Shaft seal.....	Mechanical seal



BBA priming system

Pump type.....	BBA MP100 Diaphragm pump
Air handling capacity.....	100 m ³ /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.....	TAD572VE
Flywheel power.....	146 kW (198 Hp)
Engine speed.....	1620 RPM
Rating.....	IFN power
Fuel consumption.....	205 g/kWh
Governor type.....	Electronic
Displacement.....	5.1 l
Number of cylinders.....	4
Aftertreatment.....	SCR, AdBlue®
Emission level.....	Stage IV – Tier 4 Final



BBA control panel LC30

- Auto start/stop system
- Two float switches included (10 m cable)
- Switch Manual-0-Auto
- Rpm. control with push buttons
- Warning lights
- The 4.3" LCD monitor displays additional engine data, e.g. actual engine speed, working hours, battery voltage, fuel consumption and failures in clear text (10 language support)



Fuel system

- Fuel tank steel 450 L. net (120 US Gallon)
- Stainless steel AdBlue® tank
- Electronic fuel injection system

Electrical system & safety features

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

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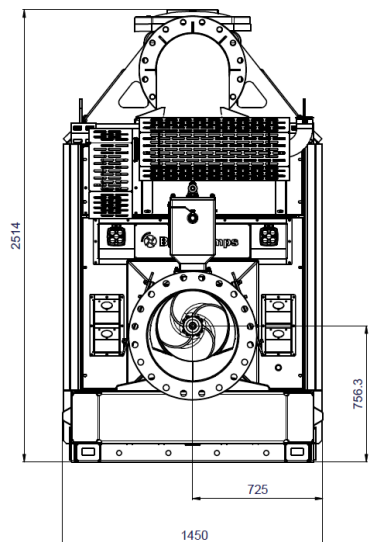
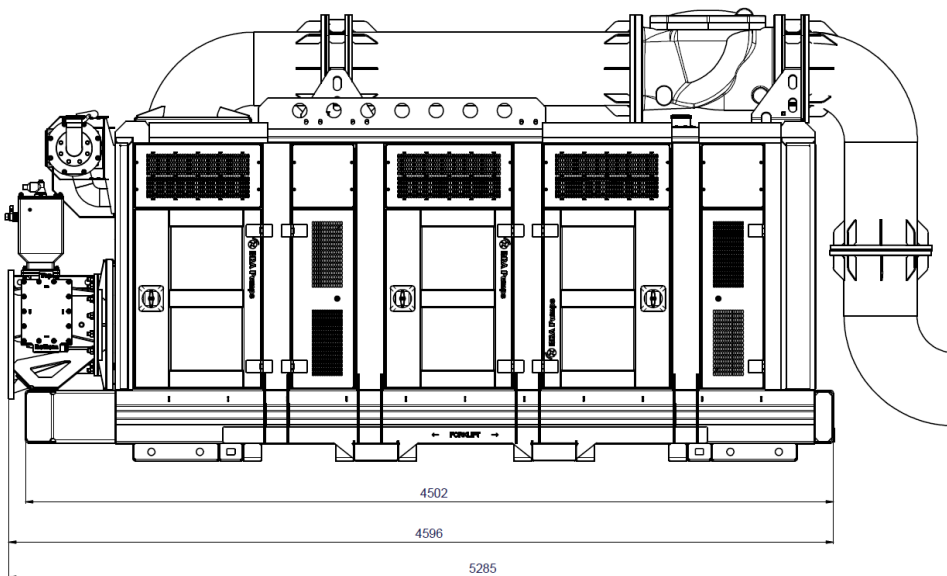
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CANOPY M14-40 (discharge roof pipe)

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	6 composite easy-access doors (lockable)
Fuel tank	Steel 450 ltr (120 US Gallon)
Fuel tank cap	100 mm (4 inch)
Adblue® tank	Composite 250 ltr (66 US Gallon)
Autonomy.....	11-12 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
Aftertreatment.....	Fully integrated in 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.

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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.



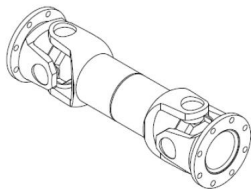
Safety

Extremely durable and lockable T-locks offering perfect grip.



Fully bundled unit

Fully bundled unit eliminating fuel/oil and AdBlue® 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 m³ 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.