



BA500G Diesel Driven

Ultra High Flow Dewatering Pump
Max. 4500 m³/hour, Max. 26 mwc



Pump specifications:

Type	BA500G D675
Max. flow	4500 m ³ /hour (19800 US GPM)
Max. pressure	26 mwc (86 ft.)
Connections	Suction DN600 – Discharge DN500
Solids handling	115 mm (4.5")
Impeller type	Axial flow impeller
Priming system	BBA MP100
Engine	Volvo Penta TAD1371VE
Emission standard	Stage IV / Tier 4 final
Canopy	EL23-58
Sound level	75 dB(A) at 10m
Weight (net)	Approx. 10,000 kg (22,000 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





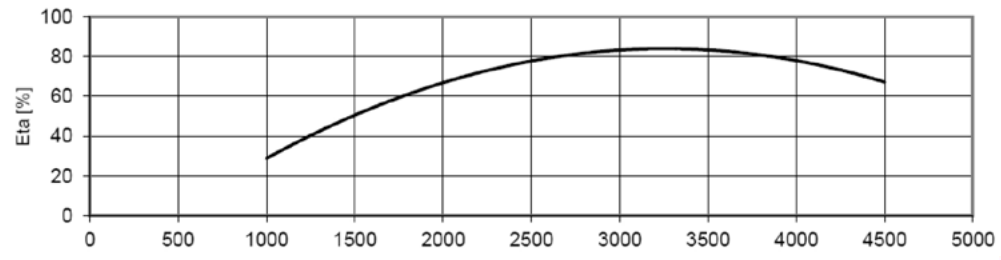
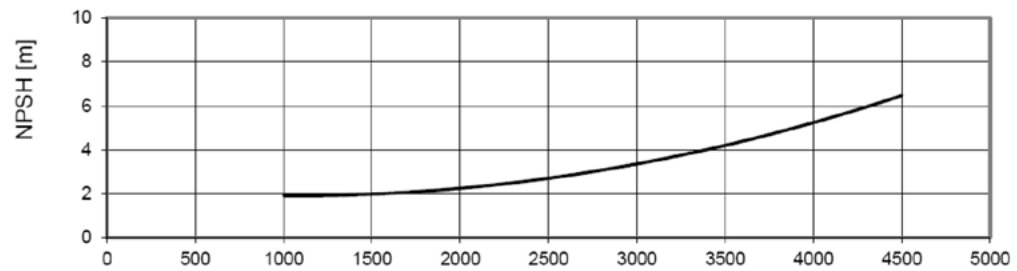
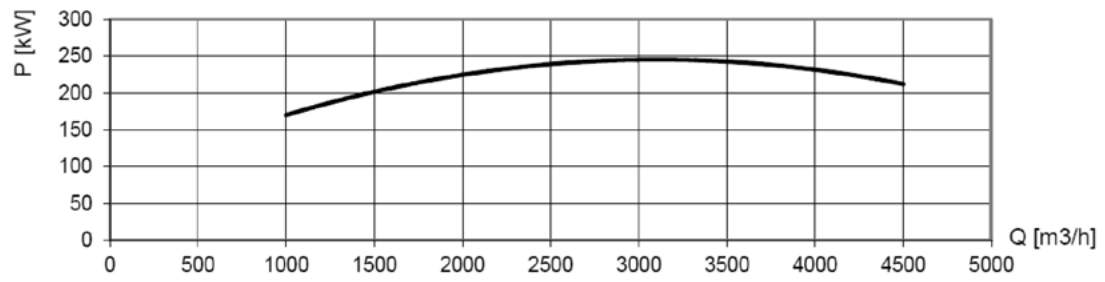
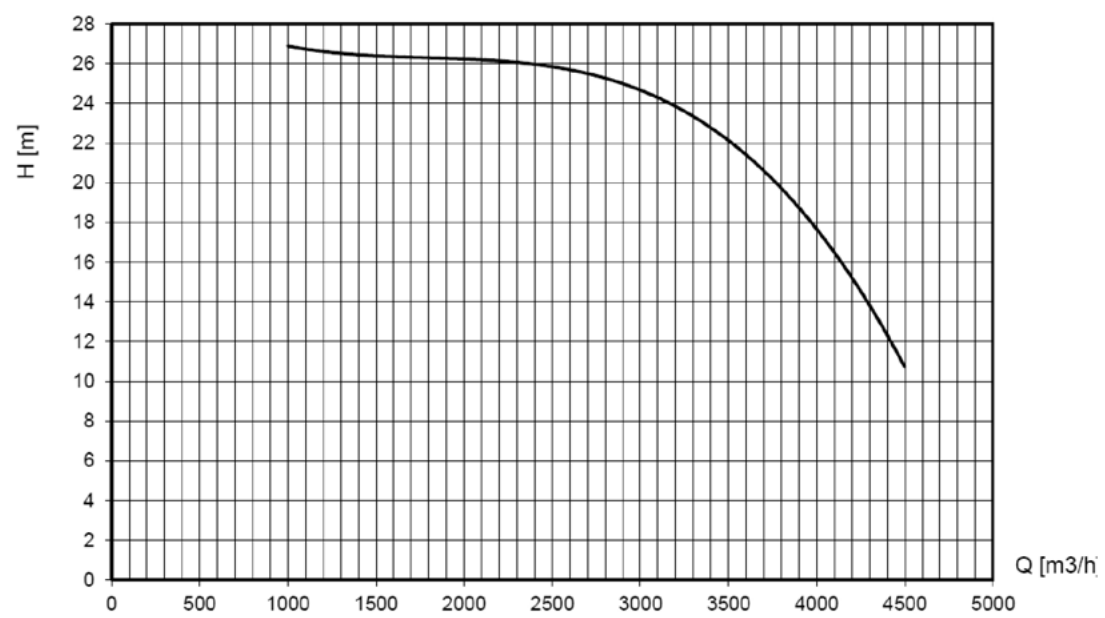
NPE
NATIONAL PUMP & ENERGY



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PERFORMANCE CURVES (740 RPM)

Continuous duty according ISO 9906





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STANDARD TECHNICAL SPECIFICATIONS

BBA auto prime pump

BBA auto prime pump

Pump type	BA500G D675
Max. flow	4500 m ³ /hour (19800 US GPM)
Max. head	26 mwc (86 feet)
Impeller type	Axial flow impeller
Solids handling	115 mm (4.5 inch)
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	E-motor 24V
Float box	St 37 hot dip galv.
Float	Stainless steel 304
Start/stop	Fully automatic



Engine

Engine brand	Volvo Penta
Engine type	TAD1371VE
Flywheel power	275 kW (374 Hp)
Engine speed	1800 RPM
Rating	IFN power
Fuel consumption	207 g/kWh
Governor type	Electronic
Displacement	12.78 l
Number of cylinders	6
Aftertreatment	SCR, AdBlue®
Exhaust level	Stage IV - Tier 4 Final



BBA control panel LC30

- Auto start/stop system
- Two float switches included (10 m cable)
- Switch Manual-O-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)

BBA non return valve 600 mm (shipped loose)

Flange size entrance	DN500 PN6
Flange size delivery	DN600 PN6
Casing	St 37 hot dip galvanised
Lifting point	Fitted with 4 lifting points
Max Pressure.....	4 bar - 57 PSI



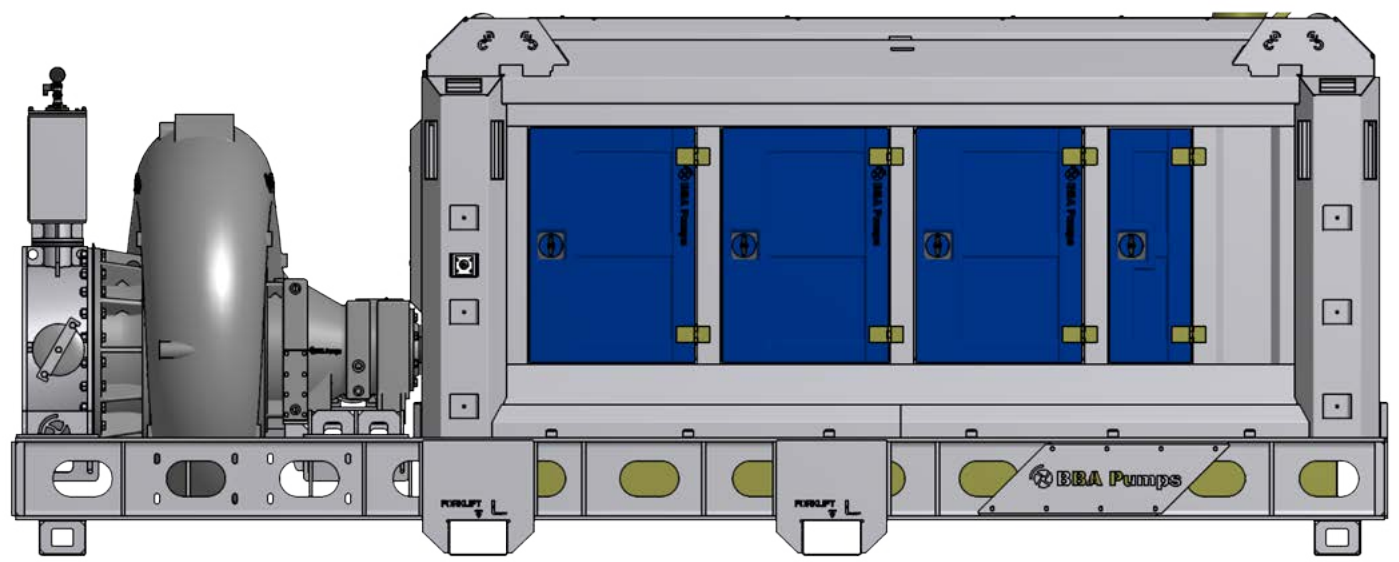


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CANOPY EL23-58

BBA sound attenuating canopy

- Canopy type..... EL23-58
- Dimensions L x W x H 5830 x 2306 x 2300 mm
- Dimensions L x W x H 229 x 90.8 x 90.5 inch
- Basic frame Hot dip galvanised
- Doors 8 Easy-access doors (lockable)
- Door panels ABS/ASA
- Fuel tank PE net 300 ltr. (80 US Gallon)
- Fuel tank autonomy 4 hours (at 1800 rpm BEP)
- Fuel tank cap 60 mm (2.5 inch)
- AdBlue® tank PE net 300 ltr.(80 US Gallon)
- Forklift pockets..... Fitted with 2 forklift pockets
- Lifting point Fitted with 4 lifting points
- Oil drain pump Drain pump for motor oil installed (hand pump)
- Connections Please consult “auxiliary items”
- Exhaust system Aftertreatment fully integrated in the canopy
- Emergency stop Applicable
- Additional Fitted with oil-water separator
- Documentation User manual & BBA warranty book



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



EXCLUSIVE DEALER



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Factory Acceptance Test

Extensive testing facility inhouse. FAT must be conducted formally and be witnessed by the owner and/or project manager.



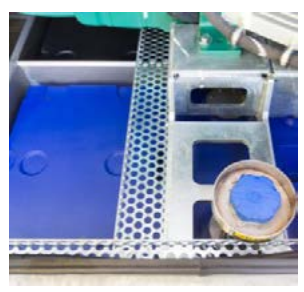
LED lights

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



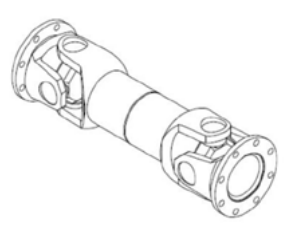
Safety

Extremely durable and lockable T-locks offering perfect grip.



Double vacuum pump

Fully banded 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°



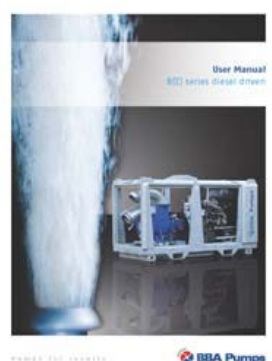
Ratio transmission gearbox

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



Double vacuum pump

Diaphragm pump, air-cooled, water-resistant and oil-spillage free. Air capacity of 100 m³ per hour.



User Manual BA

Extensive user manual with important information concerning the pump unit, pump installation and safety warnings. Available in several languages.

Pictures used are for illustration purposes only.

