BA500G Diesel Driven

Ultra High Flow Dewatering Pump

Max. 4500 m³/hour, Max. 26 mwc

Pump specifications:

Type	BA500G D675
Max. flow	4500 m³/hour (19,800 US gpm)
Max. pressure	26 mwc (86 ft.)
Discharge x suction	DN500 x DN600
Solids handling	115 mm (4.5")
Impeller type	Mixed flow impeller
Priming system	BBA MP100
Engine	Volvo Penta TAD1381VE
Emission standard	Stage V
Canopy	EL23-58
Sound level	75 dB(A) at 10m
Dry weight	10.900 kg (23,980 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”.

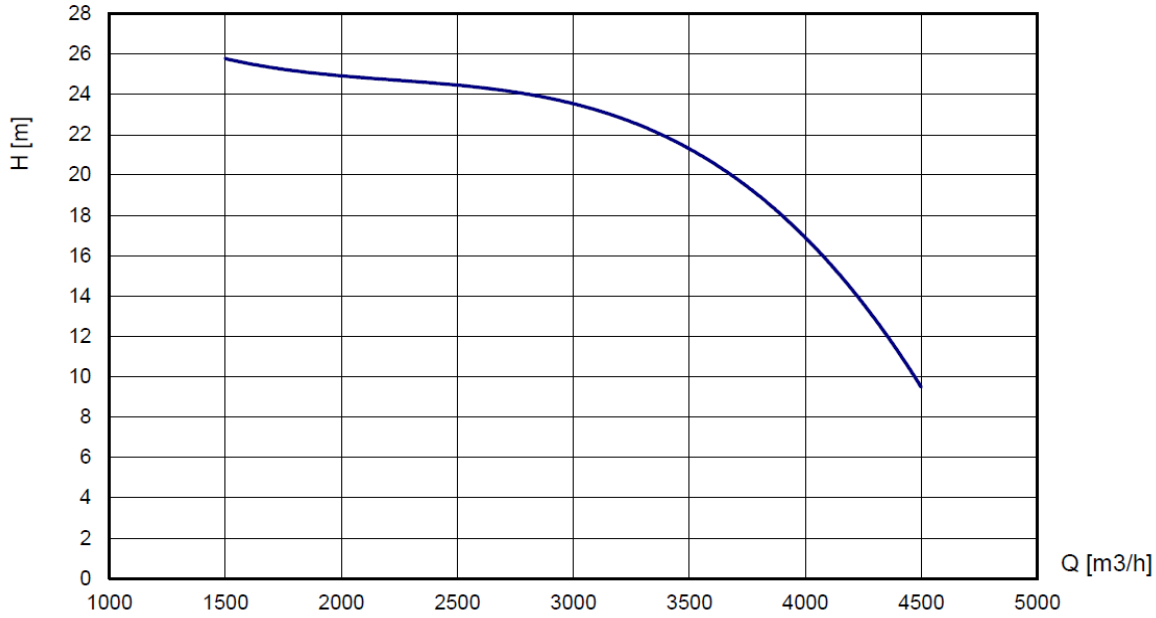
Sustainability
- High efficiency pumps minimising fuel consumption
- Corrosion free hot dip galvanized canopy
- Corrosion free composite door panels
- 100% Oil-spill free priming system
- Fully bunded unit eliminating fuel/oil spills at all times

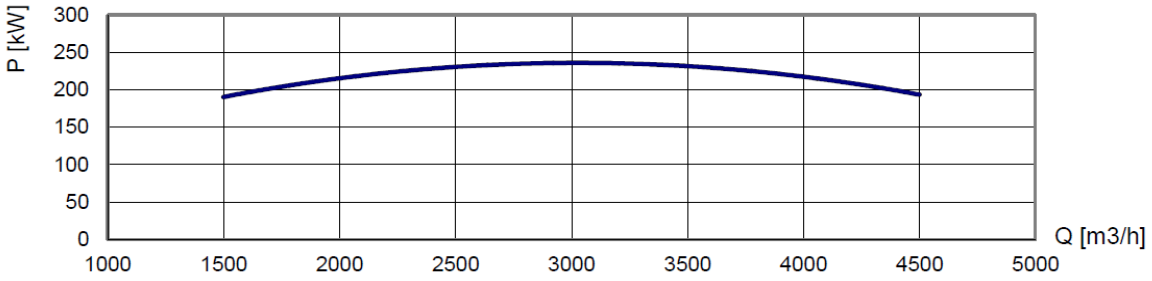
Complete package designed & built by BBA Pumps
- Complete in-house design & production
- Over 70 years of experience in the market
- Complete testing facility in-house
- Contemporary & functional design
- Durable & eco-friendly materials
- Custom builds available

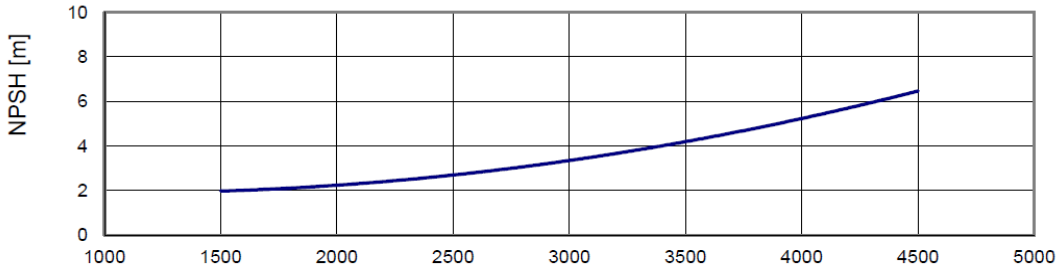
After sales service & product support
- Single supplier for parts, spares & accessories
- Dedicated customer helpdesk (24h service)
- Dedicated service department in-house
- Global parts distribution network
- Optional global on-site servicing available
- Extensive training options available (technical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

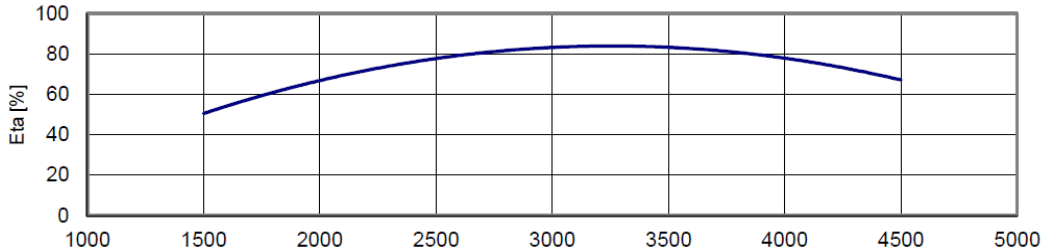
PERFORMANCE CURVES (740 RPM)

Continuous duty according to ISO 9906









STANDARD TECHNICAL SPECIFICATIONS

BBA Pumps auto prime pump

Pump type	BA500G D675
Max. flow	4500 m³/hour (19,800 US gpm)
Max. head	26 mwc (86 feet)
Discharge flange	DN500 (PN6) PCD = 600 mm
Suction flange	DN600 (PN6) PCD = 705 mm
Impeller type	Mixed flow impeller
Solids handling	115 mm (4.5 inch)
Best efficiency point	87%
Pump casing	Cast iron GG25
Impeller	Ductile iron GGG40
Pump shaft	42CrV6
Shaft seal	Mechanical seal

BBA Pumps priming system

Pump type	BBA MP100 Diaphragm pump
Air handling capacity	100 m³/h (59 CFM)
Max. vacuum	8,5 m (25 inHg)
Drive	E-motor 24V
Float box	Hot dip galvanised steel
Float	Stainless steel 304
Start/stop	Fully automatic

Engine

Engine brand	Volvo Penta
Engine type	TAD1381VE
Flywheel power	279 kW (380 Hp)
Engine speed	1500 RPM
Rating	IFN power
Fuel consumption	198 g/kWh
Displacement	12.78 l
Number of cylinders	6
After treatment	SCR, DPF + DOC
Emission level	Stage V

BBA Pumps 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)

BBA Pumps non-return valve DN500

Flange size entrance	DN500 (PN6) PCD = 600 mm
Flange size delivery	DN600 (PN6) PCD = 705 mm
Casing	Hot dip galvanised steel
Max. pressure	4 bar – 58 psi

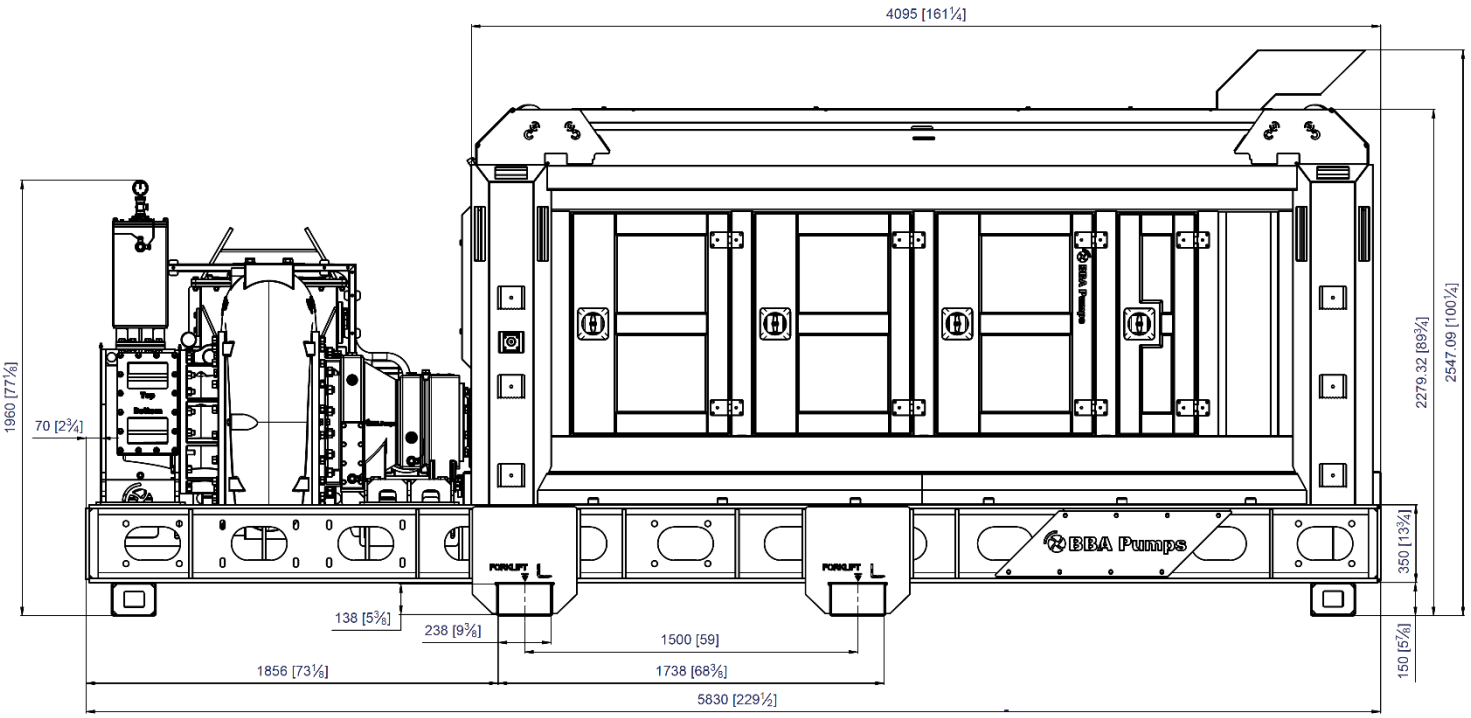
(#17370 more technical details see separate NRV data sheet)

PUMPS FROM HOLLAND

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	Flange connections
Exhaust system	Aftertreatment fully integrated in the canopy
Emergency stop	Applicable
Additional	Fitted with oil-water separator
Documentation	User manual & BBA warranty book

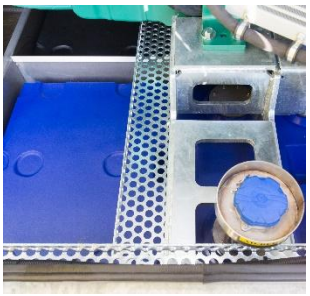


Actual dimensions are in mm & inches.

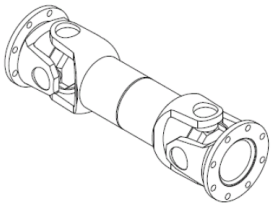
Factory Acceptance Test
Extensive testing facility in-house. FAT must be conducted formally and be witnessed by the owner and/or project manager.

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 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 m^3 per hour.

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