BA110H Diesel Driven

High Head Solids Handling Pump

Max. 420 m^3/hour, Max. 98 mwc

Pump specifications:

Type	BA110H D444
Max. flow	420 m^3/hour (1850 US gpm)
Max. pressure	98 mwc (325 ft.)
Solids handling	80 mm (3.15")
Impeller type	Enclosed impeller
Priming system	BBA MP50
Engine	Volvo Penta TAD542VE
Emission standard	Stage II – Tier 2
Canopy	M14-30
Discharge x suction	4" x 8" flanges
Sound level	Approx. 70 dB(A) at 10 m
Dry weight	4000 kg (8.800 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

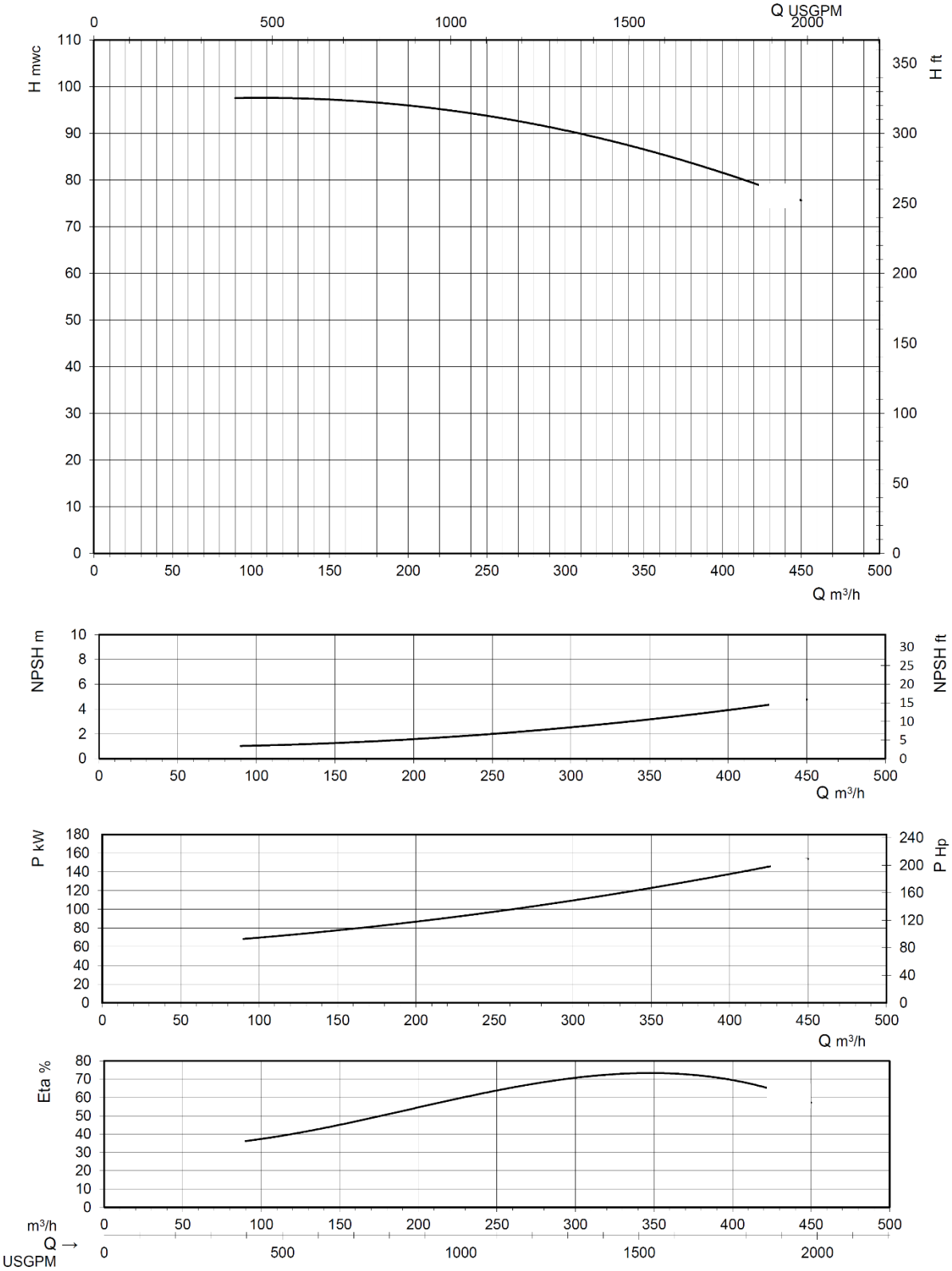
Complete package designed & built by BBA Pumps
- Complete in-house design & production
- Over 70 years of experience in the market
- Complete testing facility in-house
- Contemporary & functional design
- Durable & eco-friendly materials
- Custom builds available

After sales service & product support
- Single supplier for parts, spares & accessories
- Dedicated customer 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

Optional with remote control

PERFORMANCE CURVES (1700 RPM)

Continuous duty according ISO 9906



BBA Pumps

BA110H Diesel Driven
High Head Solids Handling Pump
Max. 420 m^3/hour, Max. 98 mwc

STANDARD TECHNICAL SPECIFICATIONS

BBA Pumps auto prime pump

Pump type	BA110H D444
Max. flow	420 m^3/hour (1850 US gpm)
Max. head	98 mwc (325 feet)
Impeller type	Enclosed impeller
Solids handling	80 mm (3.15")
Pump casing	Ductile iron GGG50
Impeller	Stainless steel 316
Wear plate	Stainless steel 316
Pump shaft	42CrMo4 heat treated
Mechanical seal	Tung/Sic/Viton

BBA Pumps priming system

Pump type	MP50 diaphragm pump
Air handling capacity	50 m^3/h (28 CFM)
Max. vacuum	8.5 m (25 inHg)
Drive	Toothed belt
Float box	Aluminium
Non return valve	Cast iron GG25
Check valve disc	Buna-N

Engine

Engine brand	Volvo Penta
Engine type	TAD542VE
Flywheel power	145 kW (197 Hp)
Engine speed	800 - 1700 RPM
Fuel consumption	205 g/kWh
Displacement	5.1 ltr
Number of cylinders	4
After treatment	N/A
Emission level	Stage II – Tier 2

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)

Fuel system
- Fuel tank steel 475 L. net (125 US gallon)
- Fuel tank cap Ø 100 mm
- Electronic fuel injection system

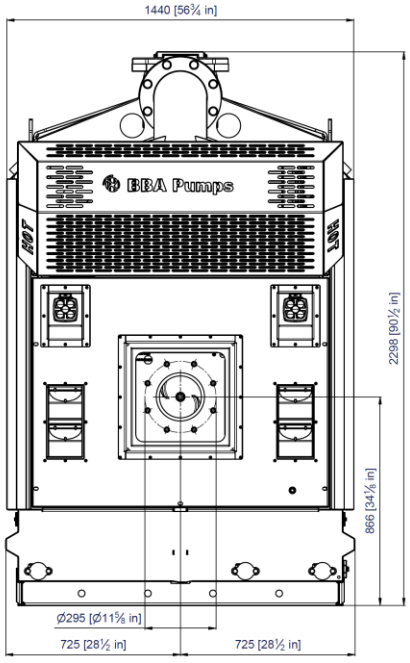
Electrical system & safety features
- Premium quality battery
- Low oil pressure shut down
- High temperature shut down

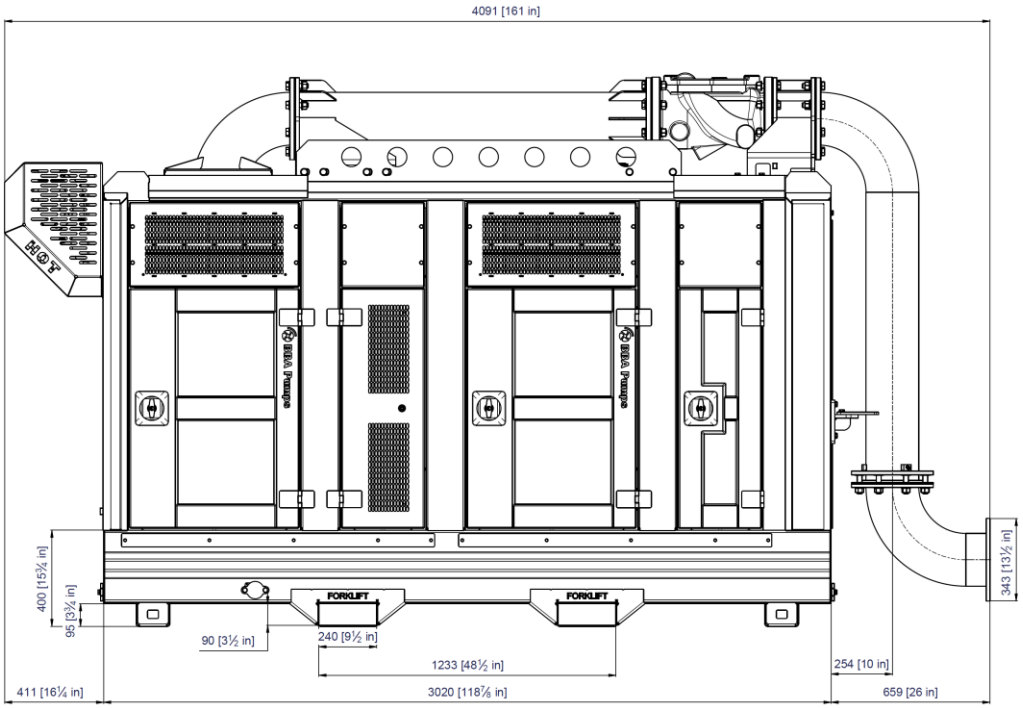
PUMPS FROM HOLLAND

CANOPY M14-30 (discharge roof pipe)

BBA sound attenuating canopy

Canopy type	M14-30
Dimensions L x W x H	4000 x 1450 x 2500 mm
Dimensions L x W x H	157.5 x 57 x 98.4 inch
Basic frame	Hot dip galvanized
Doors	8 composite easy-access doors (lockable)
Fuel tank	Steel net 475 ltr. (125 US gallon)
Fuel tank autonomy	14-15 hours (at 1700 rpm BEP)
Fuel tank cap	100 mm (4 inch)
Forklift pockets	Fitted with 2 forklift pockets
Lifting point	Fitted with lifting points
Connections	Flange connections
Exhaust system	integrated in the canopy
Additional	Fitted with oil-water separator
Documentation box	BBA Pumps user manual and warranty book





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

Enclosed impeller
An enclosed pump impeller with a large solids handling combined with a special wear plate. This is the perfect combination for a multi-use high head dirty water pump.

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

Large inspection covers
Easy access to float box, impeller and non-return valve.

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

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
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.