


Pump specifications:

Type.....	PT90 classic
Design.....	Plug-in hybrid piston pump
Max. flow	78 m ³ /hour (340 US gpm)
Max. pressure.....	20 mwc (66 ft.)
Max. suction lift.....	9.6 mwc (32 ft.)
Connections.....	4" or 6" quick couplings
Diesel engine.....	Hatz 1D81Z
Electric motor.....	7,5 kW – 4 pole
Canopy	M10-21
Sound level LPA.....	47 dB(A) at 10 m
Dry weight.....	1730 kg (3806 lbs.)

FEATURES
PT wellpoint pump

The PT wellpoint pump has been designed for vertical- and horizontal dewatering applications. These positive displacement pumps are fully self-priming and are capable of handling air, water or any mixture of both without requiring a separate priming system. Furthermore, these pumps are capable of running dry indefinitely without causing damage or excessive wear to any part of the unit.

World-class performance

The PT pump package offers lowest cost of ownership and provides a reliable and durable solution to the challenges facing dewatering companies around the world. The technology has been tried and tested in the field and has revolutionised the vertical- and horizontal dewatering market on a global scale, by offering unmatched performance at minimal costs thereby improving the return on investment (ROI).

Key features PT Pumps

- Self-priming, no additional priming system required
- Excellent suction capabilities on all flows
- High pump efficiency
- Can run dry indefinitely
- Cheap and easy-to-replace wear parts
- 100% mechanical technology
- Extended unit life time

Complete package designed & built by BBA Pumps

- Complete in-house design & production
- Over 70 years of experience in the market
- Extensive testing facility in-house
- Contemporary & functional design
- Durable & eco-friendly materials

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
- Extensive training options available (technical & commercial), on-site or in-house



STANDARD TECHNICAL SPECIFICATIONS
BBA Pumps double action piston pump

Pump type.....	PT90
Max. flow.....	78 m ³ /hour (340 US gpm)
Max. head.....	20 mwc (66 feet)
Max. suction lift.....	9.6 mwc (32 ft.)
Speed (factory standard)	64 strokes/min
Pump casing.....	Cast iron GG20
Pump cover.....	Aluminium
Cylinder liners.....	Stainless steel Ø 175 mm
Piston cups.....	Leather
Piston rods.....	Stainless steel 304
Shaft seal.....	Gland packing
Valve rubbers.....	NBR
Stone catcher.....	Cast iron GG20
Measure equipment.....	2 vacuum gauges
Connections.....	Steel hot dip galvanized (optional)


Electric motor

Power.....	7,5 kW (10 Hp)
Speed.....	1460 RPM
Voltage.....	400/690 V
Frequency.....	50 Hz
Poles.....	4
Current at 400V.....	I nom. 14,2 Amp.
Protection.....	IP55
Efficiency.....	90.5%
Star-delta.....	Manual
Plug.....	5 pin - 32 Amp.


Engine

Engine brand.....	Hatz
Engine type.....	1D81Z
Power.....	5.5 kW @ 1500 RPM
Speed range.....	1500 - 1750 RPM
Fuel consumption.....	245 g/kWh
Displacement.....	0,667 l
Number of cylinders.....	1
Cooling system.....	Air cooled
Starting method.....	Electric start
Oil sump.....	4.5 ltr.
Exhaust standard.....	Stage V


Fuel system

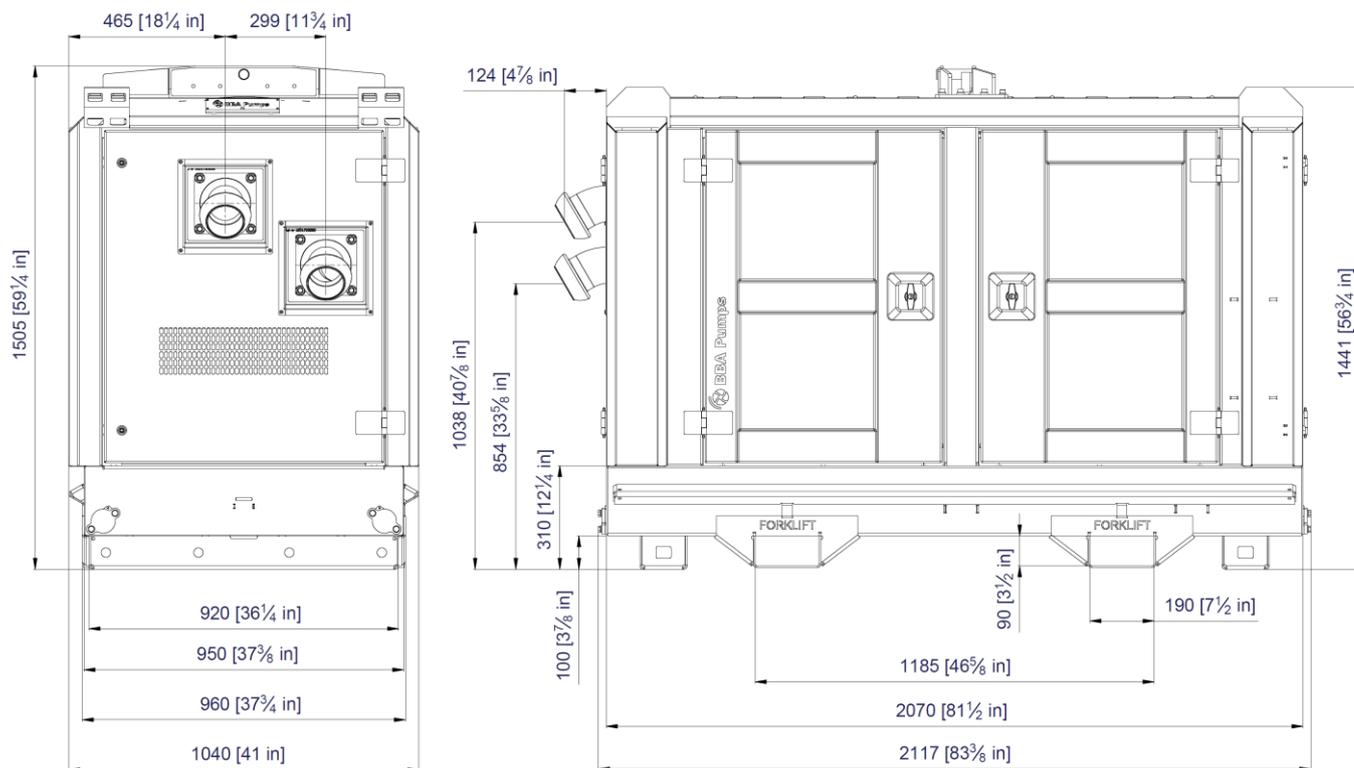
- Composite fuel tank 200 L
- Fuel tank cap Ø 100 mm (4 inch)
- Fitted with water separator & extra in-line fuel filter

Electrical system & safety features

- Nominal voltage 12 Volt
- Premium quality battery
- Low oil pressure shut down

CANOPY M10-21
BBA Pumps super silent canopy

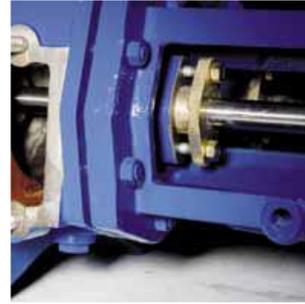
Canopy type.....	M10-21
Dimensions L x W x H	2117 x 1040 x 1505 mm
Dimensions L x W x H	84 x 41 x 60 inch
Basic frame	Hot dip galvanized
Doors on both sides.....	4 composite easy-access doors (lockable)
Doors on front and rear	2 steel powder coated doors (lockable)
Fuel tank	PE net 200 ltr.
Fuel tank autonomy	130 - 250 hours (according to load)
Fuel tank cap	100 mm (4 inch)
Lifting point	Fitted with single lifting point
Stackable	Canopy is stackable
Connections.....	Hot dip galvanized couplings (optional)
Exhaust system	Fully integrated in canopy
Additional	Fitted with oil-water separator
Sound power level (L _{WA})	76 dB(A) according ISO 3744:2010
Documentation box.....	BBA Pumps user manual



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



Easy access points
Allows access to the cylinders, stuffing boxes and other critical areas for easy cleaning and maintenance.



Hard-wearing piston rods
The stainless steel piston rods have been carefully machined to provide an increased service life and minimal maintenance.



Fuel tank
Fully bunded, corrosion-free, 200 litre, high-density polyethylene fuel tank, located in base of canopy.



Standard stone catcher
All PT pumps feature a stone catcher protecting the pump internals from any suspended solids. The stone catcher has easy-access cleaning covers and comes with dual vacuum gauges to monitor pump performance.



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.