PTclassic Plug-in Hybrid

Diesel-electro pump for wellpoint dewatering
Max. 78 m^3/hour, Max. 20 mwc

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 poles
Canopy	M10-21
Sound level L_{PA}	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 lifetime

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 helpdesk (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 - 1700 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

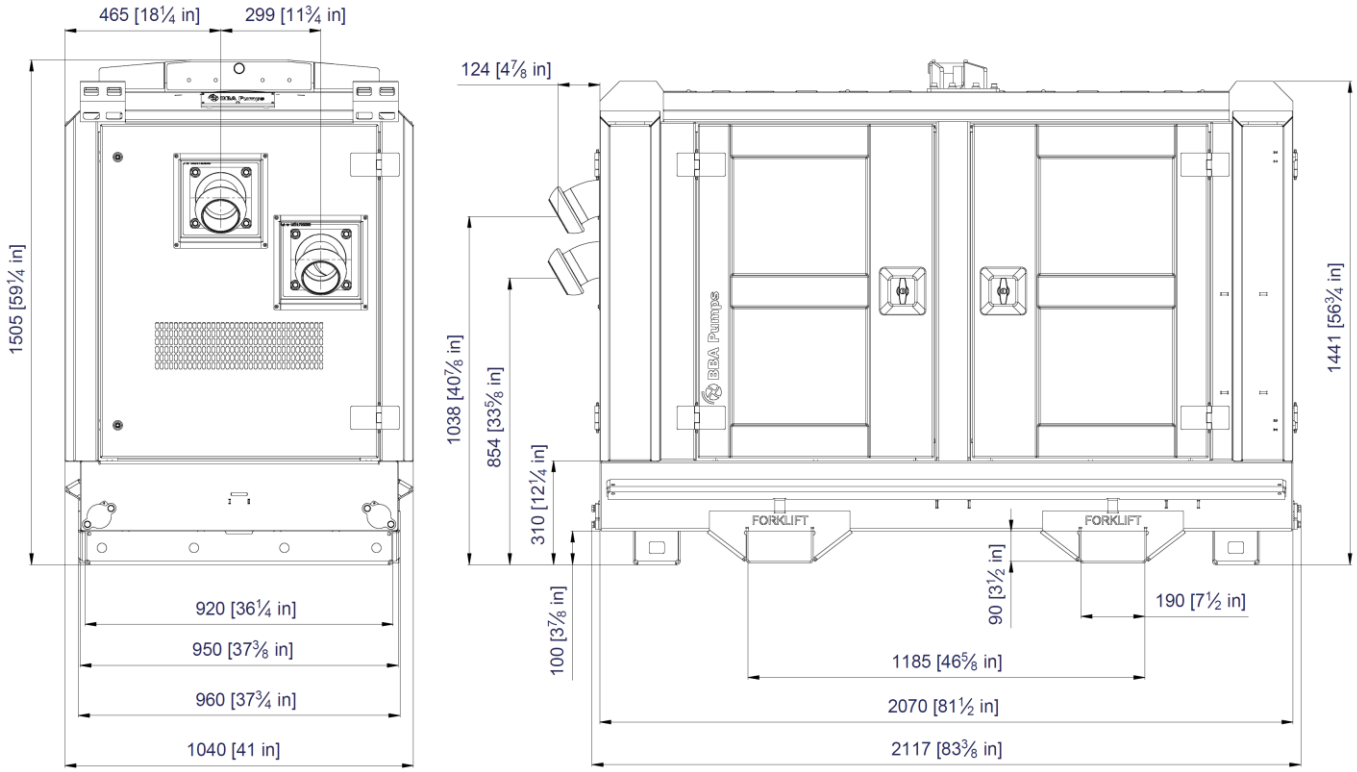
Electrical system & safety features
- Nominal voltage 12 Volt
- Premium quality battery
- Low oil pressure shut down

PUMPS FROM HOLLAND

CANOPY M10-21

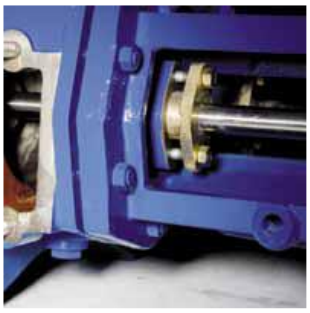
BBA Pumps super silent canopy

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 to ISO 3744:2010
Documentation box	BBA Pumps user manual

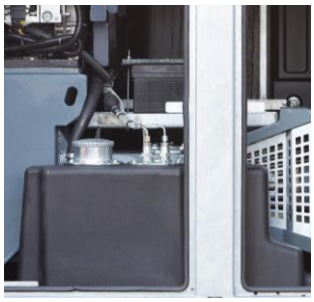


Actual dimensions (in mm and inches) may vary depending on selected quick couplings.

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.

Pictures used are for illustration purposes only.

PUMPS FROM HOLLAND