

PT90 Classic Plug-in Hybrid

Wellpoint Dewatering Pump

Max. 78 m³/hour, Max. 20 mwc



Pump specifications:

Type	PT150 D185
Design	Direct Drive Design®
Max. flow	90 m ³ /hour (396 US GPM)
Max. pressure	20 mwc (66 ft.)
Max. suction lift	9.6 mwc (32 ft.)
Diesel engine	Hatz 1D90V DriveOn®
Emission standard	Stage V
Fuel consumption	Max. 1.4 L/hour
Canopy	L10-23
Connections	4" or 6"
Sound level	Approx. 48 dB(A) at 10 m
Dry weight	1575 kg (3465 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
- Ergonomic design

Complete package designed & built by BBA Pumps

- Complete in-house design & production
- Over 60 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



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STANDARD TECHNICAL SPECIFICATIONS

BBA double acting, duplex piston pump

Pump type	PT150 D180
Max. flow	90 m ³ /hour (396 US GPM)
Max. head	20 mwc (66 ft.)
Max. suction lift	9.6 mwc (32 ft.)
Speed (factory standard)	64 strokes/min
Pump casing	Cast iron GG20
Valve cover	Aluminium
Cylinder liners	Stainless steel Ø 180 mm
Piston cups	Leather
Piston rods	Stainless steel 304
Shaft seal	Gland packing
Valve rubbers	Stainless steel core with rubber layer
Valve seats®	Composite (optionally available in bronze)
Drive	Direct Drive Design®
Measure equipment	2 vacuum gauges



Engine

Engine brand	Hatz
Engine type	1D90V
Power	6.1 kW (8.3 Hp)
Max. engine speed	1500 RPM
Feature	DriveOn®
Oil change interval	1500 running hours
Fuel consumption	233 g/kWh
Displacement	0.722 l (44 cu.in.)
Number of cylinders	1
Cooling system	Air cooled
Starting method	Electric start & stop
Oil sump	10 ltr.(2.63 US Gallon)
Emission level	Stage V



DriveOn®

BBA Dashboard LC10

- Composite dashboard
- Hour counter
- Key start switch
- Warning light "oil pressure"
- Warning light "alternator"

Fuel system

- Composite fuel tank 200 L (54 US Gallon)
- Fuel tank cap Ø 100 mm (4 inch)
- Mechanical fuel injection system
- 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

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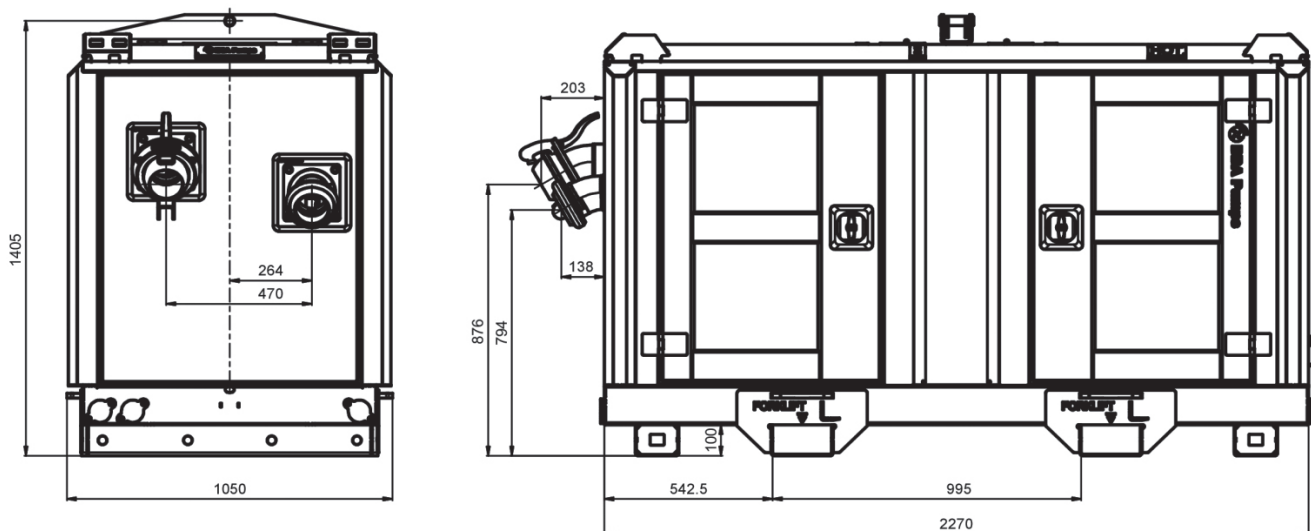
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CANOPY L10-23

BBA Super Silent Canopy

Canopy type	L10-23
Dimensions L x W x H	2300 x 1050 x 1425 mm
Dimensions L x W x H	90 x 41.3 x 56 inch
Basic frame	Hot dip galvanized
Roof panel	Composite ABS/ASA
Doors	4 easy-access lockable doors
Grill and door panels	Composite ABS/ASA
Fuel tank	PE net 200 ltr (54 US Gallon)
Fuel tank autonomy	140 - 250 hours (according to load)
Fuel tank cap	100 mm (4 inch)
Lifting point	Fitted with single lifting point
Stackable	Canopy is stackable
Connections	Please consult "auxiliary items"
Exhaust system	Fully integrated in canopy
Documentation box	BBA user manual and warranty book

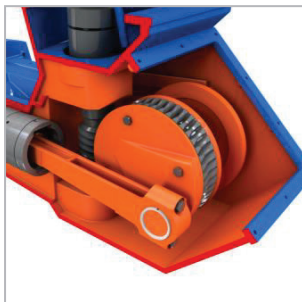


Actual dimensions (in mm and inches) may vary depending on selected quick couplings.

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Direct Drive Design®

Precisely machined drive gears and an automatic lubrication system provide excellent efficiency and minimal sound emissions.



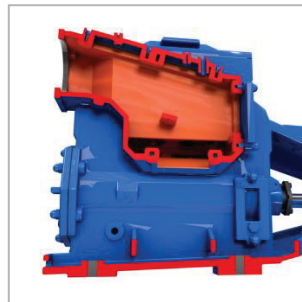
Hatz DriveOn®

- Large oil sump
- Service interval 1500 hours
- 25% saving on engine oil
- Ergonomic design



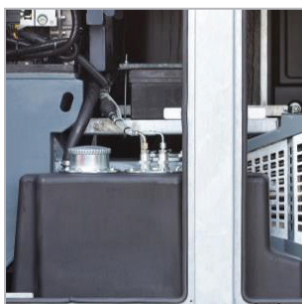
Easy access points

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



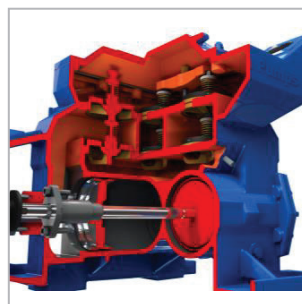
Integrated stone catcher

To protect the pump internals from any suspended solids. The stone catcher has 4 inspection covers and comes with dual vacuum gauges to monitor pump performance.



Fuel tank

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



Excellent pump hydraulics

A patented suction valve seat and improved hydraulics guarantee the best pump efficiency and unbeatable vacuum build up.



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 PT series

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