



Pump specifications:

Type..... PT150 D180
 Design..... Direct Drive Design®
 Max. flow 90 m³/hour (396 US GPM)
 Max. pressure 20 mwc (66 ft.)
 Max. suction lift 9.6 mwc (32 ft.)
 Diesel engine Hatz 1D90V DriveOn®
 Fuel consumption ... Max. 1.4 L/hour
 Canopy L10-23
 Connections..... 4" or 6"
 Sound level..... 48 dB(A) at 10 m
 Weight (net) 1710 kg (3762 lb.)

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



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
Discharge valve cover.....	Aluminium
Inspection covers.....	Composite
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®.....	Discharge composite – suction bronze
Drive.....	Direct Drive Design®
Measure equipment.....	2 vacuum gauges



Engine

Engine brand.....	Hatz
Engine type.....	1D90V
Flywheel power (ICFN).....	5.8 kW (7.9 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)
Exhaust emission EU.....	Not applicable
Exhaust emission US.....	EPA



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

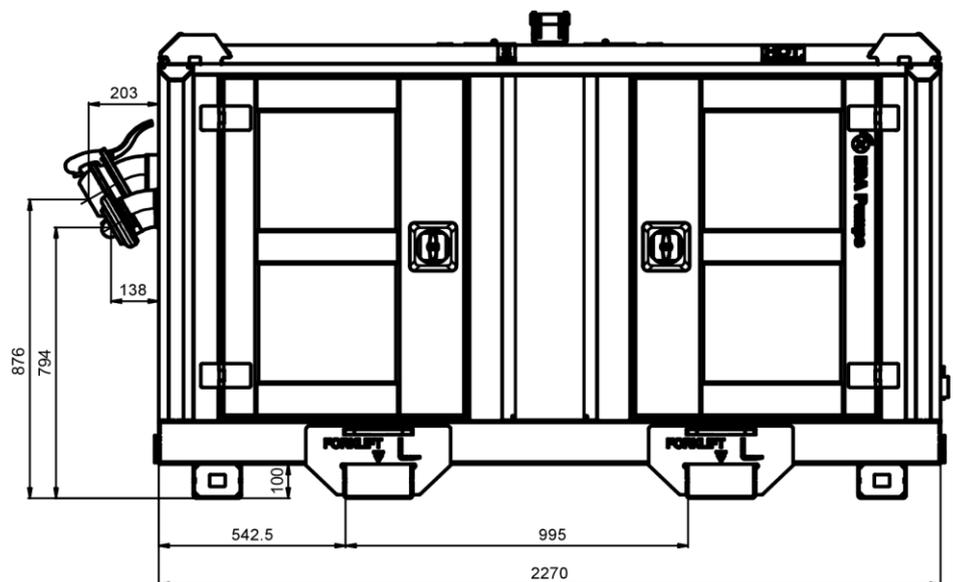
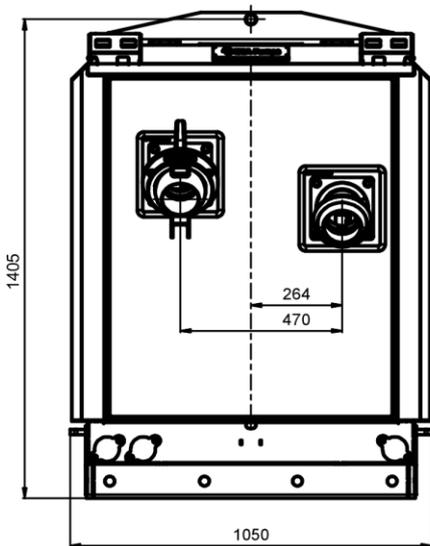
Electrical system & safety features

- Nominal voltage 12 Volt
- Premium quality battery 72 amp.
- Low oil pressure shut down

CANOPY L10-23

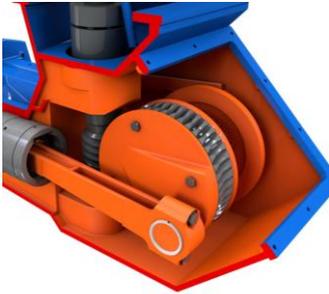
BBA super silent canopy

- 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 galvanised
- Roof panels (hinged) Steel hot dip galvanised
- Doors 4 easy-access doors (lockable)
- 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)
- Drainage Central water drainage
- Lifting point Fitted with single lifting point
- Stackable Canopy is stackable
- Connections Please consult "auxiliary items"
- Exhaust system Fully integrated in the canopy
- Spark arrestor Lloyd & Veritas approved
- Documentation box BBA user manual and warranty book



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

Pictures used are for illustration purposes only.



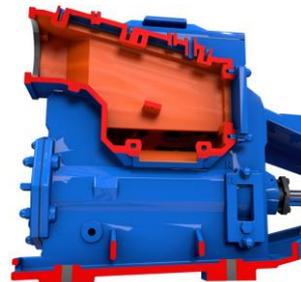
Direct Drive Design[®]
Precisely machined drive gears and an automatic lubrication system provide excellent efficiency and minimal sound emissions.



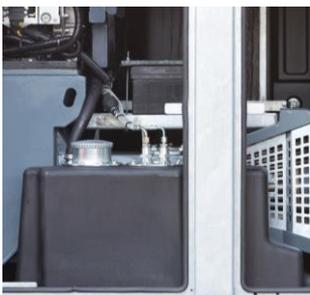
Hatz DriveOn[®]
-Large oil sump
-Service interval 1500 hours
-25% saving on engine oil
-Ergonomic design



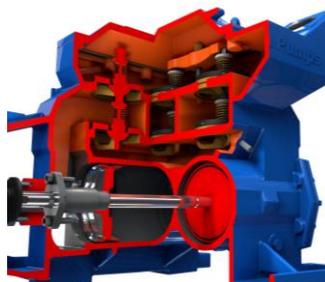
Easy access points
Allows access to the cylinders, valves, stuffing boxes and other critical areas for easy cleaning and maintenance.



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.



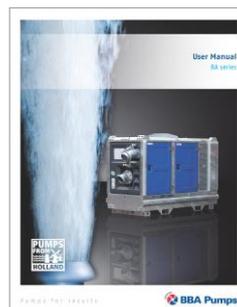
Fuel tank
Fully bunded, corrosion-free, 200 litre, high-density polyethylene fuel tank, located in base of canopy.



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.

AUXILIARY ITEMS

Discharge and suction connections

Art.nr.		Ø inch	Ø mm	Connection	
03111410	30° male (ball)	4	100	System C	
03111411	30° female (cup)	4	100	System B	
03111412	30° male (ball/lever)	4	100	System B	
05080877	30° male (ball)	6	150	System C	
05080876	30° female (cup)	6	150	System B	
05080881	30° male (ball/lever)	6	150	System B	

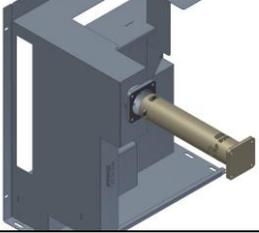
Fuel gauge

9306000070	<p>Mechanical fuel gauge on tank The standard 100 mm fuel filler cap will be replaced by a small 60 mm fuel filler cap and put together with the fuel gauge.</p>	
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Digital flow meter

9808500205	<p>Siemens digital flow meter 12V - Type MAG 5100W with transmitter MAG 6000 - Installation in compliance with Siemens guidelines (In wellpoint applications measure deviations are inevitable)</p>	
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Environmental care

<p>9306000110</p> 	<p>Diesel Particulate Filter & Oxidation Catalyst - Fully integrated in the exhaust module - Reduction of Particulate Matter, PM > 95% - Reduction of Hydrocarbon, HC > 50% maximum 65% - Reduction of Carbon Monoxide, CO > 70% maximum 90% - VERT® Certified</p>	
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BBA bronze valve seats®

9306000010	Valve seats kit, material bronze
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