

# BBA piston pump



Type: **PT 90 Economy**

6" diesel driven in sound absorbing canopy



## General:

Cost of operation is one of the biggest concerns contractors have regarding their equipment. The BBA piston pump for well pointing, series PT is the solution.

Extremely efficient and packed with user benefits, the PT pumps are capable of operating for very long periods of time on a small amount of fuel. Plus, the pumps provide high air handling necessary on the toughest well point and sock applications.

The pump and motor are installed in a robust galvanized compact sound attenuated enclosure, which reduces the noise level below 47 dB(a) at 10 m, allowing operation near noise sensitive areas such as hospitals and residential neighborhoods. The PT series are self-priming, positive displacement piston pumps. Because of its efficient design, including 300 liter diesel reservoir the PT Economy is capable of operating approximately 2 weeks, using only 19 liters of fuel per day. Hatz Drive On is reducing energy and maintenance costs to the absolute lowest level possible.

## Applications:

This high efficient pump system is used for well point dewatering, horizontal sock dewatering, filtered water transfers and remediation and reclamation.

## Technical specifications:

### Piston pump:

type	: double acting
flow max	: max 90 m <sup>3</sup> /h
head max	: max 20 m
suction lift max	: 9,2 m
cylinder size	: 175 mm
req. power	: 6,0 kW
pump speed	: 63 strokes/min
suction side	: 6" V-part incl. stone catcher
discharge side	: 6" V-part

### Materials:

pump casing	: cast iron
cylinder liner	: stainless steel AISI 316
piston cup	: leather
piston rod	: stainless steel AISI 316
shaft seal	: gland packaging
O rings	: NBR

## BBA Pumps BV

Edisonstraat 12, 7006 RD  
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Doetinchem

## Pumps for results

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### Diesel drive:

diesel motor : Hatz 1D81Z Drive On  
cooling : air cooled  
cylinder : 1 cylinder  
motor power : 7,2 kW at 1700 rpm  
oil sump : 11,0 liter  
start : electric 12 V incl. hour counter  
fuel consumption : max 1,5 l/h  
fuel tank : 300 liter, PE material  
autonomy : min. 200 hrs  
assembly : in a fully galvanized canopy,  
lockable doors,  
oil-water separator  
noise level : 47 dBa at 10 m according  
Aboma/Keboma

### Dimensions:

l x w x h : 2250 x 1050 x 1700 mm  
weight : 2155 kg (incl fuel)



### Special features:



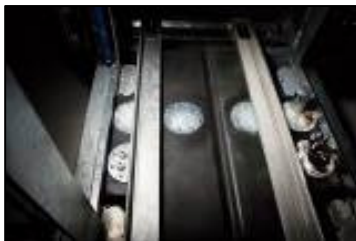
Hatz Drive On.  
Changing oil after  
1500 hours.  
Plugs and filters  
efficiently located  
at one side.



# DriveOn<sup>®</sup>



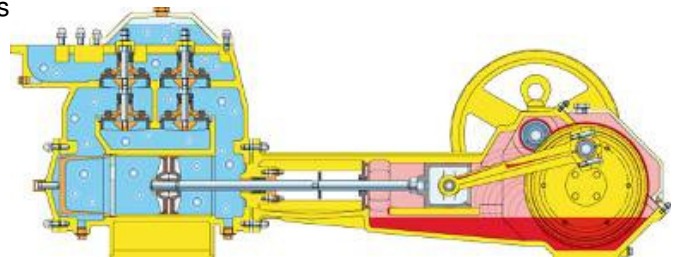
Lower fuel consumption  
thanks to tooth-belt drive.



300 liter Polyethylene  
diesel tank enables  
autonomy up  
to 200 running hours

### Results

70% Less oil change  
50% Less refuelling  
35% Less oil consumption  
5% Less fuel consumption



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