

# ACE80/100 DATA SHEET

## General Dewatering



### PUMP SPECIFICATIONS

<b>Model</b>	ACE80/100
<b>Suction Flange</b>	75mm/100mm - PN16
<b>Discharge Flange</b>	75mm/100mm - PN16
<b>Max Flow</b>	100m <sup>3</sup> /hr
<b>Max Head</b>	25m
<b>Solids Handling</b>	40mm
<b>Impeller Type</b>	Semi-Open 2 Vane Spiral (Ø208)
<b>Max Speed</b>	2000rpm

ACE80 = 75mm connection - ACE100 = 100mm connection.

### MATERIALS OF CONSTRUCTION

<b>Pump Casing</b>	Cast Iron
<b>Impeller</b>	SG Iron
<b>Front Wear Plate</b>	SG Iron
<b>Rear Wear Plate</b>	SG Iron
<b>Shaft</b>	Stainless Steel
<b>Mechanical Seal</b>	Silicon Carbide/Silicon Carbide/Viton

### PRIMING SYSTEM

<b>System Type</b>	Vacuum Pump
<b>Air Handling Capacity</b>	22.6m <sup>3</sup> /hr(13cfm)
<b>Vacuum Max</b>	8m
<b>Priming Control</b>	Mechanical Float
<b>Discharge NRV</b>	Ball/Seat

### MOUNTING OPTIONS

Dimensions and weights below are excluding bauer/pipe connections.

Type	Dimensions LxWxH	Gross Weight (including fuel)	Complete with...	Alternative Hitch Options
POD	1005 x 915 x 970mm	412kg		
Fixed height road trailer - unbraked single axle	2145 x 1300 x 1389mm	476kg	Jockey wheel, rear jack stand, 40mm towing eye	
Skid base	1200 x 915 x 1170mm	482kg	Fork truck pockets, drag points	

### OPTIONAL EXTRAS

- Spark arrestor and chalywn valve
- Spares kits
- Hose/pipework
- Product training

### PACKAGE SPECIFICATION

<b>Type</b>	Close Coupled Open Set
<b>Chassis Finish</b>	Powder Coat – RAL7021
<b>Fuel Tank Capacity</b>	57ltrs
<b>Sound Power Level</b>	109LWA
<b>Sound Pressure Level @7m</b>	84.5dB (A)
<b>Sound Pressure Level @10m</b>	81dB (A)
<b>Stackable</b>	N/A

\*Optional pump colour to suit customer branding

### BAUER OPTIONS

75mm/100mm Bauer/Pipe Connections - 15kg

### ENGINE SPECIFICATION

<b>Engine Type</b>	Hatz 1D90S
<b>Max Power</b>	8kW@1950rpm
<b>Emissions Compliance</b>	EU StageV
<b>After Treatment</b>	N/A
<b>Speed Range</b>	1500 – 2000rpm
<b>Fuel Consumption @ BEP</b>	2.0l/h@2000rpm
<b>Max Running Hours @ BEP</b>	28.5hrs@2000rpm
<b>Rated Power @ BEP</b>	6.9kW@2000rpm

\*Electric motor option available

### CONTROL

<b>Type</b>	Hatz Panel/Keyswitch
<b>Autostart</b>	N/A
<b>SMS Telemetry</b>	N/A
<b>Speed Control</b>	Mechanical

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### MULTI-SPEED PERFORMANCE CURVE

