

# ACE80/100 DATA SHEET

## General Dewatering



### PUMP SPECIFICATIONS

<b>Model</b>	ACE80/100
<b>Suction Flange</b>	3"/4" - PN16
<b>Discharge Flange</b>	3"/4" - PN16
<b>Max Flow</b>	440 USgpm
<b>Max Head</b>	82 ft
<b>Solids Handling</b>	1.5"
<b>Impeller Type</b>	Semi-Open 2 Vane Spiral (Ø8.1")
<b>Max Speed</b>	2000rpm

ACE80 = 3" connection - ACE100 = 4" 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>	13cfm
<b>Vacuum Max</b>	26 ft
<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	39.5 x 36 x 38.1"	895lbs		
Fixed height road trailer - unbraked single axle	84.4 x 51.2 x 54.7"	1049lbs		
Skid base	47.2 x 36 x 46"	1063lbs		

### 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>	15 USgal
<b>Sound Power Level</b>	109LWA
<b>Sound Pressure Level @23ft</b>	84.5dB (A)
<b>Sound Pressure Level @33ft</b>	81dB (A)
<b>Stackable</b>	N/A

\*Optional pump colour to suit customer branding

### BAUER OPTIONS

3"/ 4" Bauer/Pipe Connections = 33 lbs

### ENGINE SPECIFICATION

<b>Engine Type</b>	Hatz 1D90S
<b>Max Power</b>	10.7 HP@1950rpm
<b>Emissions Compliance</b>	EU StageV
<b>After Treatment</b>	N/A
<b>Speed Range</b>	1500 – 2000rpm
<b>Fuel Consumption @ BEP</b>	0.5 USgal/hr@2000rpm
<b>Max Running Hours @ BEP</b>	28.5hrs@2000rpm
<b>Rated Power @ BEP</b>	9.3 HP@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

