# HYDROMATIC®

SHEF50/100

Submersible High Head Effluent Pumps

Applications:

• Septic Tank Effluent

• High Head Sump

Dewatering



#### **SHEF100 Features:**

1 HP

208-230 voltage (1ø)
208-230/460, 575 voltage (3ø)

• 2" discharge

• 3/4" solids handling

Capacities to 87 GPM

Heads to 90 feet

Automatic or manual models

#### **SHEF50 Features:**

• 1/2 HP

115/208-230 dual voltage (1ø) 208-230/460, 575 voltage (3ø)

• 2" discharge

• 3/4" solids handling

Capacities to 63 GPM

Heads to 63 feet

Automatic or manual models





# SHEF50/100 Submersible Effluent Pumps

## **FEATURES**

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The Hydromatic SHEF50/100 submersible pumps are specifically designed to meet the demands of residential high head septic tank effluent or sump applications. The 2 inch NPT discharge pumps feature an energy-efficient 1/2 or 1 horsepower motor, automatic and manual versions, and a wide variety of voltages including dual voltage 208-230 volt single and three phase. The SHEF50 can handle capacities up to 63 gallons per minute and heads to 63 feet. The SHEF100 can handle capacities up to 87 gallons per minute and heads to 90 feet.

The SHEF50/100 features a heavy-duty cast iron construction that provides durability for a long service life, as well as dissipating heat from the motor for cooler operation. All fasteners are stainless steel for corrosion resistance. The pump's semiopen, nonclog design impeller passes 3/4" (spherical) solids and is made from a super tough engineered plastic that provides the



Pentair Water

# SHEF50/100 Submersible Effluent Pumps

## **BENEFITS**

A. High quality cast iron construction of pump volute,

B. Water resistant power cord has a compression fit

C. Oil-filled motor provides superior cooling and permanent lubrication of bearings, minimizing

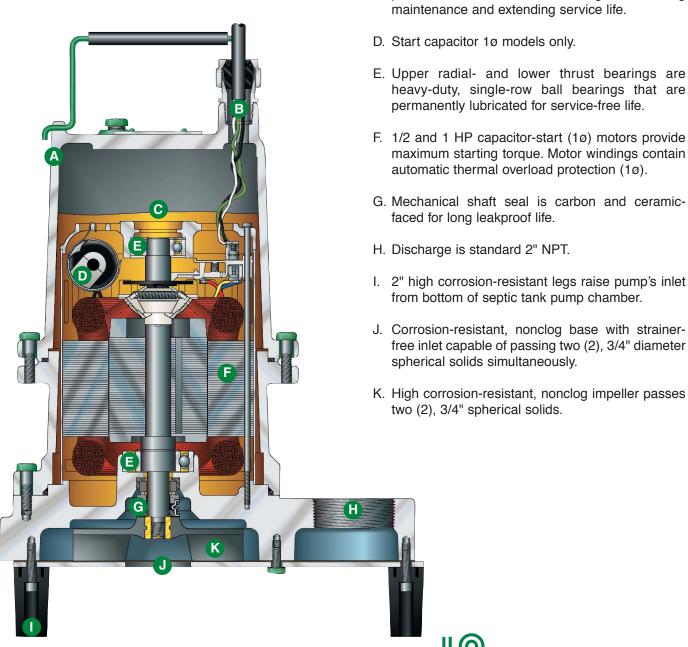
depending on model variations.

motor housing and seal housing provides long life.

connection and an epoxy potting for double

protection against water entry. Lengths of 20 and 30 feet are available with molded plugs,

The SHEF50/100 are completely submersible "high head" pumps for use in residential septic tank effluent pumping applications and are available in automatic and manual configuration. Automatic models feature a wide-angle float switch with piggyback plug-in arrangements. Switch is adjustable, easy to service and allows for simple conversion to manual operations.



## SHEF50/100 Submersible Effluent Pumps

## **Details**

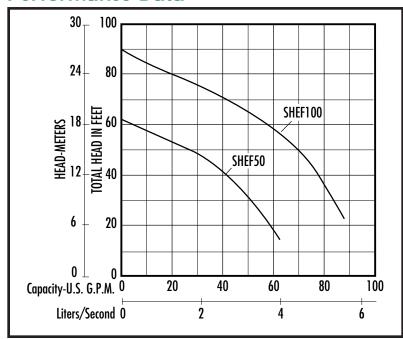
#### **Pump Characteristics**

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Pump/Motor Unit	Submersible						
Manual Models (50)	M1	M2	M:	3	M4	M5	
Automatic Models	A1	A2	-		-	-	
Horsepower	1/2						
Full Load Amps	14.5	7.6/7.1	3.2/	3.1	1.6	1.2	
Motor Type	Capacitor Start						
R.P.M.	3450						
Phase Ø	10 30						
Voltage	115	208-230	208-2	230	460	575	
Manual Models (100)		M2	M;	3	M4	M5	
Automatic Models		A2	-		-	-	
Horsepower	1						
Full Load Amps	13.6/	/12.1	6.0/	5.8	2.8	1.9	
Motor Type	Capacitor Start 3 Ø				i		
R.P.M.	3450						
Phase Ø	1 Ø				3 Ø		
Voltage	208-2	30   208-230		30	460	575	
Hertz	60						
Temperature	140°F Max Fluid Temp.						
NEMA Design	L B						
Insulation	Class B						
Discharge Size	2" NPT std.						
Solids Handling	3/4"						
Unit Weight	58 lbs. (50) 65 lbs. (100)						
Power Cord	115V, 14/3, SJTW-A; 230V, 1ø,						
	16/3 SWT-A; 3ø, 16/4, STW-A,						
	All cords 20' std. with 30' opt.						

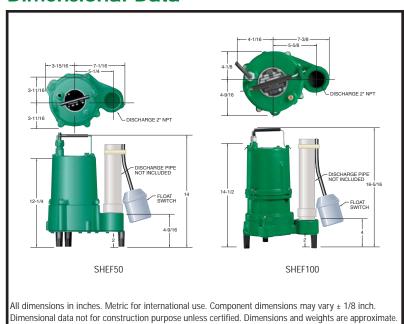
### **Materials of Construction**

Handle	Stainless Steel		
Lubricating Oil	Dielectric Oil		
Motor Housing	Cast Iron		
Pump Casing	Cast Iron		
Shaft	Stainless Steel		
Mechanical	Seal Faces: Carbon/Ceramic		
Shaft Seal	Seal Body: Brass		
	Spring: Stainless Steel		
	Bellows: Buna-N		
Impeller	Engineered Thermoplastic		
Upper Bearing	Single Row Ball Bearing		
Lower Bearing	Single Row Ball Bearing		
Bottom Plate	Single Row Ball Bearing		
Fasteners	Stainless Steel		
Legs	Engineered Thermoplastic		

#### **Performance Data**



#### **Dimensional Data**





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without notice.

- Your Authorized Local Distributor -

On/Off level adjustable. We reserve the right to make revisions to our product and their specifications

USA

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