



# HYDROMATIC®

## SPX50/SPX50H

### Submersible Explosion-Proof Pumps

Hydromatic SPX50 and SPX50H are specifically designed to pump contaminated effluent and water. The SPX50/SPX50H is UL and CSA approved (Class 1, Division 1, Group D) to handle a wide variety of pollutants, including gas and oil.

- Hydromatic SPX50/SPX50H is recommended to be sold/used with Hydromatic's UL 913 listed control panel.
- Oil-filled motor for maximum heat dissipation and constant bearing lubrication.
- Recessed impeller reduces radial bearing loads, increases bearing life.
- High torque capacitor start, single phase motor for assured starting under heavy load.
- Seal leak probes warn of seal leak condition.
- On winding heat sensors will stop motor in case of overheating to prevent costly motor damage.



**Pentair**  
**Water™**



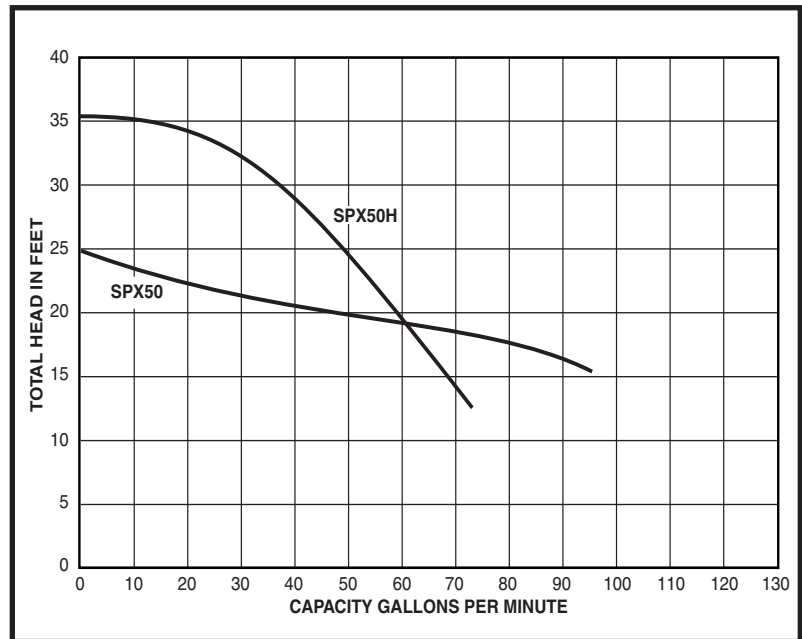
# SPX50/SPX50H - Explosion-Proof Sump Pumps

## Details

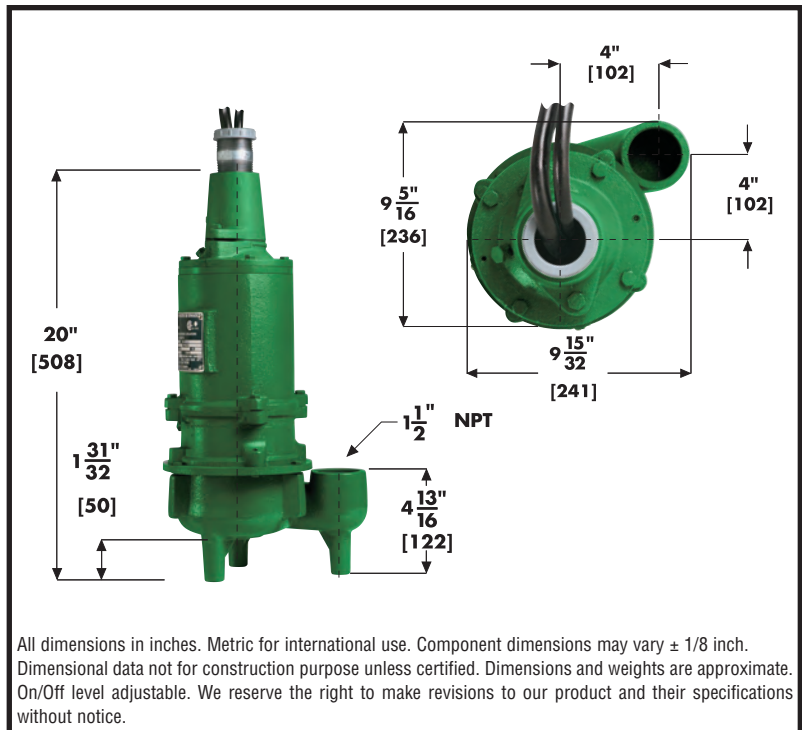
### Pump Characteristics

<b>Pump/Motor Unit</b>	<b>Submersible Explosion-Proof Sump</b>	
<b>Phase</b>	1 Ø	
<b>Voltage</b>	200	230
<b>Horsepower</b>	1/2 HP	
<b>Run Amps</b>	SPX50 6.5	SPX50H 5.3
<b>Solid Size</b>	2" (SPX50)	3/4" (SPX50H)
<b>Motor Type</b>	Oil Cooled Induction	
	Capacitor Start	
<b>R.P.M.</b>	1750	
<b>Temp. Stator</b>	Max. Design 266° F (130° C)	
<b>Operation</b>	Intermittent	
<b>Coolant Oil</b>	Oil Flash Pt. 390° F	
<b>Hertz</b>	60 Hz	
<b>Heat Sensor</b>	Bi-Metallic	
<b>Temperature</b>	Max. Water 140° F	
<b>NEMA Design</b>	Type N	Type N
<b>Insulation</b>	Class B	
<b>Discharge Size</b>	SPX50 2" NPT	SPX50H 1-1/2" NPT
<b>Unit Weight</b>	SPX50 80 lbs.	SPX50H 77 lbs.
<b>Power Cord</b>	Type SOW/SOW-A Water Resistant 15' 14/4 600 V, 60° C CSA/UL approved	

### Performance Data



### Dimensional Data (SPX50H)



### Materials of Construction

<b>Motor Housing</b>	Cast Iron ASTM-48, 76
<b>Pump Casing</b>	Cast Iron ASTM-48, 76
<b>Coolant/Lubricant</b>	Dielectric Oil
<b>Shaft</b>	416 Stainless Steel
<b>Mechanical Shaft Seal</b>	Dual: Carbon/Ceramic Type 21 BF1C1
<b>Impeller</b>	Recessed, Cast Iron Class 20 A-48-62
<b>Upper Bearing</b>	Ball Radial 6203
<b>Lower Bearing</b>	Ball Thrust 6306
<b>Fasteners</b>	316 Stainless Steel



- Your Authorized Local Distributor -

USA  
740 East 9th Street Ashland, Ohio 44805  
Tel: 419-289-3042 Fax: 419-281-4087

www.hydromatic.com

CANADA  
269 Trillium Drive Kitchener, Ontario, Canada N2G 4W5  
Tel: 519-896-2163 Fax: 519-896-6337