

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.

Features

- 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 over-heating to prevent costly motor damage.



HYDROMATIC® SPX50/SPX50H

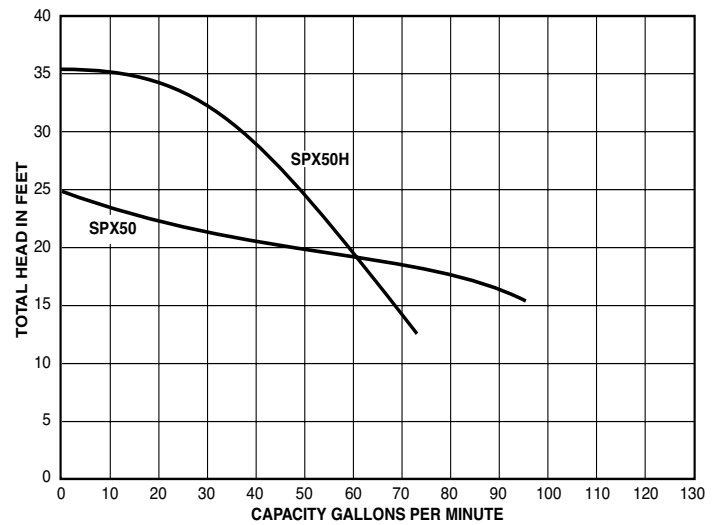
Pump Characteristics

Pump/Motor Unit	Submersible Explosion-Proof Sump	
Phase	1 Ø	
Voltage	200	230
Horsepower	1/2 HP	
Run Amps	SPX50 6.5	SPX50H 5.3
Solid Size	2" (SPX50)	3/4" (SPX50H)
Motor Type	Oil Cooled Induction Capacitor Start	
R.P.M.	1750	
Temp. Stator	Max. Design 266° F (130° C)	
Operation	Intermittent	
Coolant Oil	Oil Flash Pt. 390° F	
Hertz	60 Hz	
Heat Sensor	Bi-Metallic	
Temperature	Max. Water 140° F	
NEMA Design	Type N	Type N
Insulation	Class B	
Discharge Size	SPX50 2" NPT	SPX50H 1-1/2" NPT
Unit Weight	SPX50 80 lbs.	SPX50H770 lbs.
Power Cord	Type SOW/SOW-A Water Resistant 15' 14/4 600 V, 60° C CSA/UL approved	

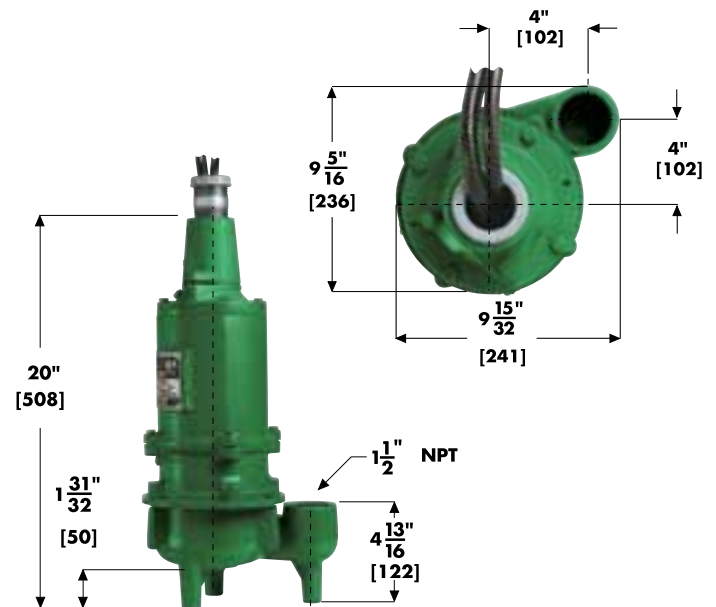
Materials of Construction

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

Performance Data



Dimensional Data



All dimensions in inches. Component dimensions may vary ± 1/8 inch. Dimensional data not for construction purpose unless certified. Dimensions and weights are approximate. On/Off level adjustable. We reserve the right to make revisions to our product and their specifications without notice.



USA
293 WRIGHT STREET, DELAVAN, WI 53115 WWW.HYDROMATIC.COM
PH: 888-957-8677 ORDERS FAX: 800-426-9446

CANADA
269 TRILLIUM DRIVE, KITCHENER, ONTARIO, CANADA N2G 4W5
PH: 519-896-2163 ORDERS FAX: 519-896-6337

Because we are continuously improving our products and services, Pentair reserves the right to change specifications without prior notice.