I&O Manual

Submersible Fountain Pumps

DISCHARGE:		
	SF Series	2" NPT, Female, Vertical, Bolt-on Flange
	3SF Series	3" NPT, Female, Vertical, Bolt-on Flange
LIQUID TEMPERATURE		104°F (40°C) Continuous
VOLUTE		Cast Iron ASTM A-48, Class 30
MOTOR HOUSING		Cast Iron ASTM A-48, Class 30
SEAL PLATE		Cast Iron ASTM A-48, Class 30
IMPELLER:	*Design*	2 Vane open, with pump out vanes on back side. Dynamically balanced, ISO G6.3
	Material	Cast Iron ASTM A-48, Class 30
SHAFT		416 Stainless Steel
SQUARE RINGS		Buna-N
HARDWARE		300 Series Stainless Steel
PAINT		Air Dry Enamel
SEAL:	*Design*	Single Mechanical
	Material	Silicon/Silicon/Buna-N Hardware -300 Series Stainless
CORD ENTRY		15 ft. (5m) Cord with plug on 120 Volt Quick Connect, Custom Molded for sealing and strain relief
UPPER BEARING		Single Row, Ball, Oil Lubricated
LOWER BEARING		Single Row, Ball, Oil Lubricated
MOTOR:	*Design*	NEMA L Torque curve, Oil Filled, Squirrel cage Induction
	Insulation	Class B Class F on selected models
SINGLE PHASE		Permanent Split Capacitor (PSC). Includes thermal overload protection in motor
OPTIONAL EQUIPMENT		Seal Material, Additional cord and Impeller trims

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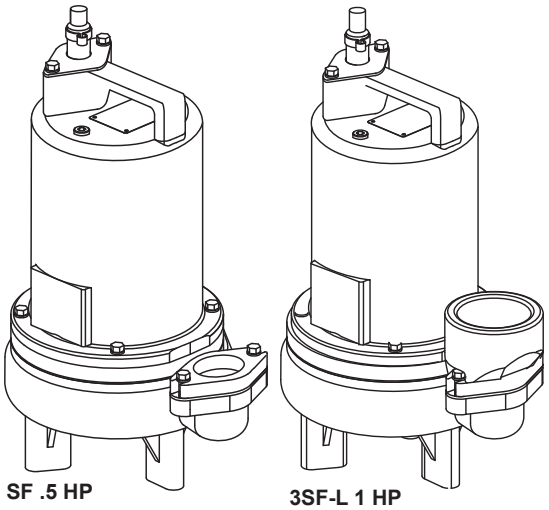
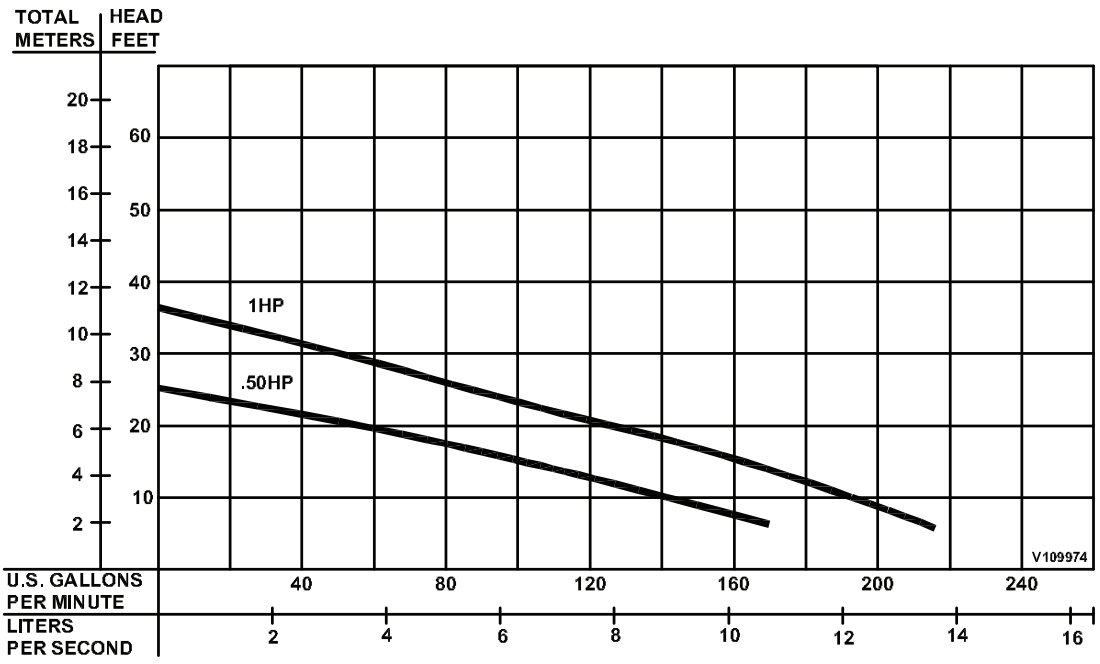


SF .5 HP 3SF-L 1 HP

Series:
SF - .5HP, 1750RPM, 60Hz
3SF-L - 1HP, 1750RPM, 60Hz

DESCRIPTION:
THESE PUMPS ARE SPECIALLY DESIGNED FOR USE IN DRAMATIC, DECORATIVE WATER DISPLAYS

WARNING:
CANCER AND REPRODUCTIVE HARM - WWW.P65WARNINGS.CA.GOV



Testing is performed with water specific gravity of 1.0 @ 68°F (20°C), other fluids may vary performance

BARNES®

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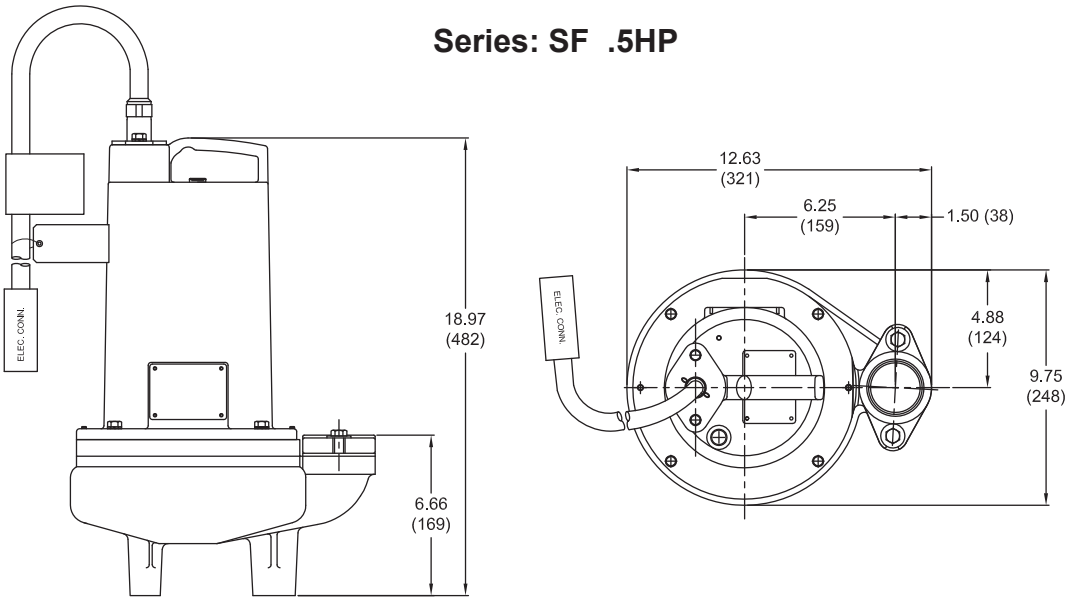
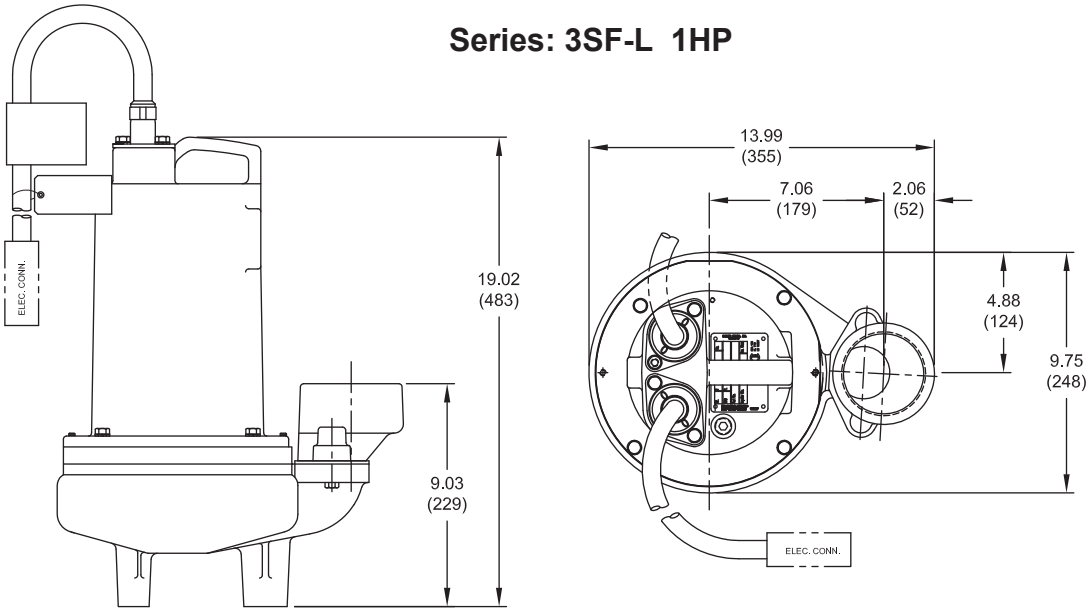
Series: SF .5HP

inches (mm)



Series: 3SF-L 1HP



MODEL NO	PART NO	HP	VOLT/PH	Hz	RPM (Nom)	NEMA START CODE	INSUL. CLASS	FULL LOAD AMPS	LOCKED ROTOR AMPS	CORD SIZE	CORD TYPE	CORD O.D. inch (mm)
SF51	109974	0.5	120/1	60	1750	F	B	11.6	21.3	14/3	SJTOW	0.375 (9.5)
3SF1074L	109975	1.0	200-240/1	60	1750	D/G	F	8.8/8.3	21.5/25.8	14/3	SOW	0.530 (13.5)

IMPORTANT !

1.) ***DO NOT USE TO PUMP FLAMMABLE LIQUIDS***.

2.) INSTALLATIONS SUCH AS DECORATIVE FOUNTAINS OR WATER FEATURES PROVIDED FOR VISUAL ENJOYMENT MUST BE INSTALLED IN ACCORDANCE WITH THE NATIONAL ELECTRIC CODE ANSI/NFPA 70 AND/OR THE AUTHORITY HAVING JURISDICTION. THIS PUMP IS NOT INTENDED FOR USE IN SWIMMING POOLS, RECREATIONAL WATER PARKS, OR INSTALLATIONS IN WHICH HUMAN CONTACT WITH PUMPED MEDIA IS A COMMON OCCURRENCE.

CRANE®

A Crane Co. Company

PUMPS & SYSTEMS

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