

# SELF-PRIMING SHALLOW WELL JET PUMPS

## PROJET SN SERIES

The ProJet SN Series Pumps provide excellent performance with good pressure for wells to 25' deep. The cast iron constructed pump self-primers after the priming chamber has been filled with water.

### APPLICATIONS

Water systems and sprinkling for homes, farms, and cottages.



### SPECIFICATIONS

- ◆ **Max. Liquid Temperature:** 140°F
- ◆ **Max. Inlet Pressure:** 50 PSI
- ◆ **Average Priming Time (min.) at 15':**
  - SNC = 2.3; SND = 1.7
  - SNE = 1.3; SNF = 1.1
- ◆ **Average Priming Time (min.) at 25':**
  - SNC = 6.4; SND = 4.4
  - SNE = 4.4; SNF = 2.6
- ◆ **Body:** Close-grained cast iron
- ◆ **Nozzle:** High-strength Lexan®
- ◆ **Venturi:** Lexan
- ◆ **Impeller:** Noryl®
- ◆ **Diffuser:** Reinforced polypropylene
- ◆ **Shaft:** One-piece threaded, 416 grade stainless steel
- ◆ **Base:** Steel, 12 gauge

### FEATURES

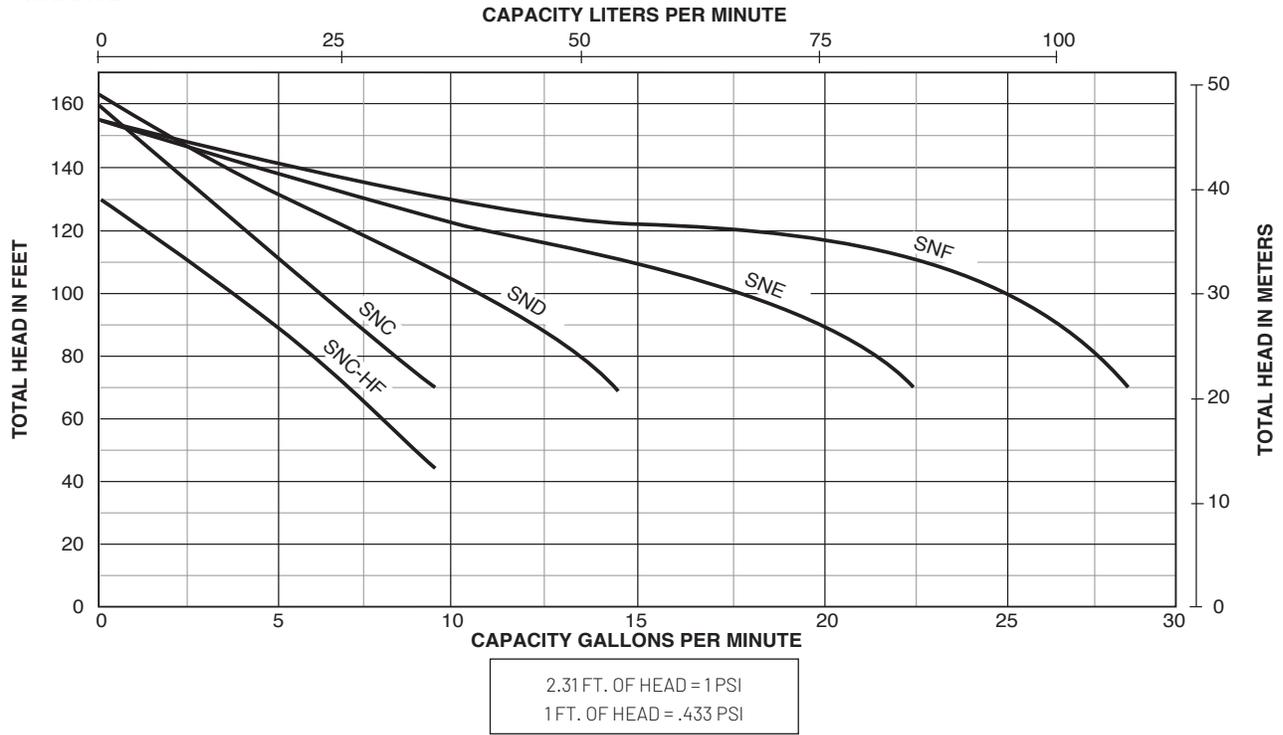
- ◆ **Quality Construction:** Close-grained cast iron body. Drain port provided for easy winterizing.
- ◆ **Built-in Jet:** High-strength Lexan nozzle and venturi for maximum resistance to corrosion and abrasion. Cleanout plug provided for ease of service.
- ◆ **Noryl Impeller:** Precision-molded for perfect balance. Ultra-smooth construction for highest performance and efficiency.
- ◆ **Precision-Molded Diffuser:** Pump primes faster, handles more air, with multi-port, precision-molded, reinforced polypropylene diffuser.
- ◆ **Mechanical Shaft Seal:** Precision lapped and highly polished carbon-ceramic, stainless steel construction. Internal design guarantees continuous water lubrication.
- ◆ **Motor Windings:** Superior insulation materials protect against excessive moisture and contaminants assures prolonged motor life.
- ◆ **Balanced Rotor:** Diecast under high pressures for uniform performance and greater efficiency, dynamically balanced.
- ◆ **Heavy-Duty Ball Bearings:** Shielded, permanently lubricated bearings, extensively tested to ensure extended life and smooth, quiet operation.
- ◆ **Pump and Motor Shaft:** Stainless steel for maximum corrosion resistance. One-piece threaded shaft for positive impeller drive and alignment.
- ◆ **Dustproof Cover:** All electrical components are protected from dirt, dust, and insects by a dustproof canopy. Ventilating air cannot contaminate vital switching components.
- ◆ **Pressure Switch:** Professional quality pressure switch allows for cut-in adjustments.

### ORDERING INFORMATION

CATALOG #	DESCRIPTION	HP	SWITCH SETTINGS	PIPE TAPPING SIZES		MOTOR VOLTAGE	APPROX. WEIGHT (LBS)
				SUCTION	DISCHARGE		
SNC-HF25L	Hi Flow - Shallow Well Jet	1/2	20-40	1-1/4"	1"	115/230	45
SNC	Shallow Well Jet	1/2	30-50	1-1/4"	1"	115/230	45
SND	Shallow Well Jet	3/4	30-50	1-1/4"	1"	115/230	47
SNE	Shallow Well Jet	1	30-50	1-1/4"	1"	115/230	55
SNF	Shallow Well Jet	1-1/2	30-50	1-1/4"	1"	115/230	60

# STA-RITE PROJCT SN SERIES SELF-PRIMING SHALLOW WELL JUET PUMPS

## PERFORMANCE



CATALOG #	HP	DISCHARGE PRESSURE PSI	DYNAMIC SUCTION LIFT					SHUT OFF PRESSURE PSI
			5'	10'	15'	20'	25'	
SNC-HF25L	1/2	20-40	13.7	12.3	10.6	8.8	6.3	56
			11.8	10.6	9.3	8.2	6.2	
			7.2	6.3	5.2	4.0	2.4	
SNC	1/2	30-50	9.7	8.3	7.4	5.9	4.3	70
			7.9	7.2	6.4	5.6	4.1	
			4.5	3.8	3.1	2.7	1.8	
SND	3/4	30-50	15.0	13.0	11.6	8.7	6.9	70
			12.5	11.4	10.1	8.2	6.8	
			8.0	6.8	6.1	4.8	3.5	
SNE	1	30-50	21.4	19.1	16.5	13.3	9.5	67
			20.8	18.7	15.8	13.2	9.3	
			13.5	11.6	10.1	7.4	2.4	
SNF	1-1/2	30-50	28.5	25.0	21.4	17.4	12.6	67
			28.3	24.4	21.0	17.2	12.3	
			21.5	18.3	10.9	3.1	1.6	

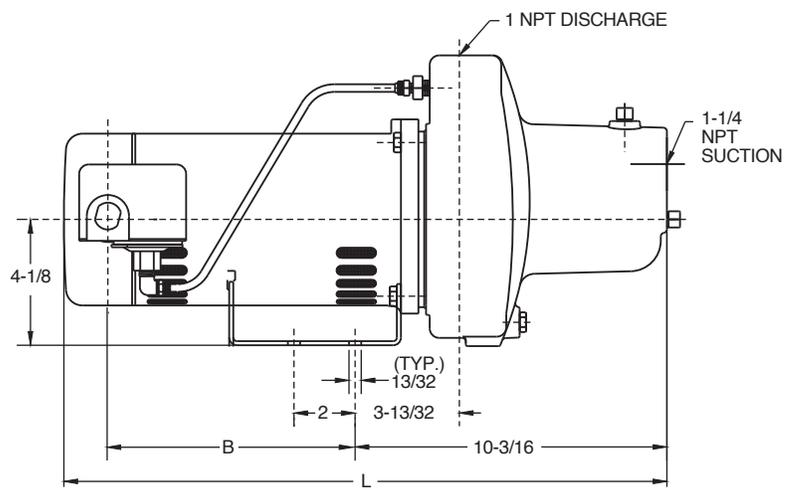
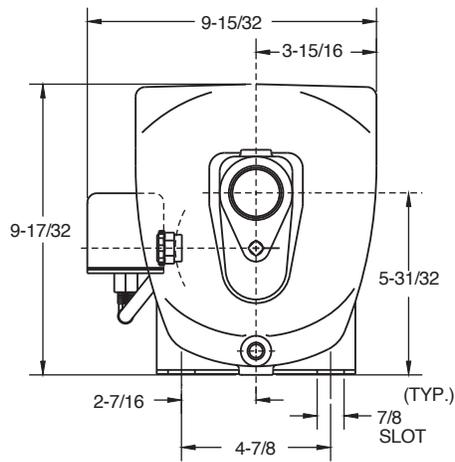
Pump will operate at all depths shown, with pressure switch set at 30-50 PSI.  
 Tested and rated in accordance with Water Systems Council Standards.  
 NOTE: Pumps installed with a Pro-Source® tank require a 100 PSI relief valve.  
 Pumps installed with a conventional tank require a 75 PSI relief valve.  
 Relief valve must be capable of relieving entire flow of pump at relief pressure.

**DIMENSIONAL DATA**

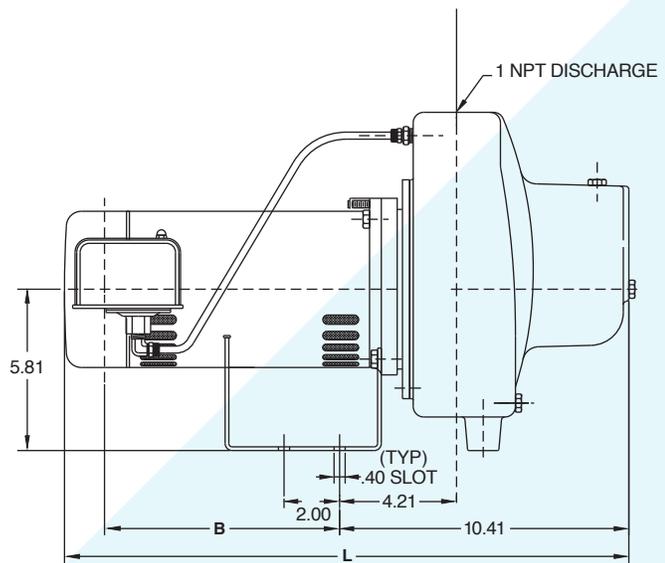
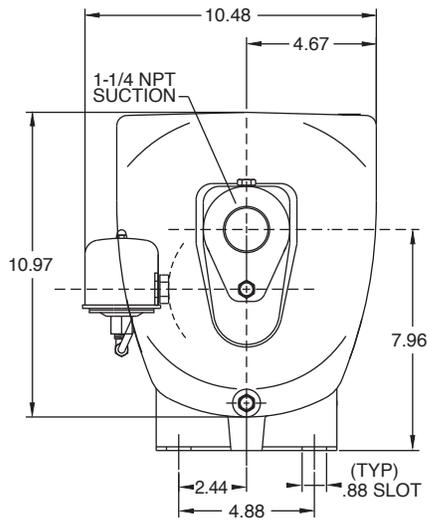
Dimensions (in inches) are for estimating purposes only.

CATALOG NUMBER	L	B
SNC	18.7	7.1
SND	18.7	7.1
SNE	21.3	7.0
SNF	22.4	8.0

**SNC AND SND MODELS**



**SNE AND SNF MODELS**





293 Wright St  
Delavan, WI 53115  
Ph: 888-782-7483  
Fx: 800.426.9446

490 Pinebush Rd., Unit 4  
Cambridge, Ontario N1T 0A5, Canada  
Ph: 800-363-7867  
Fx: 888-606-5484

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