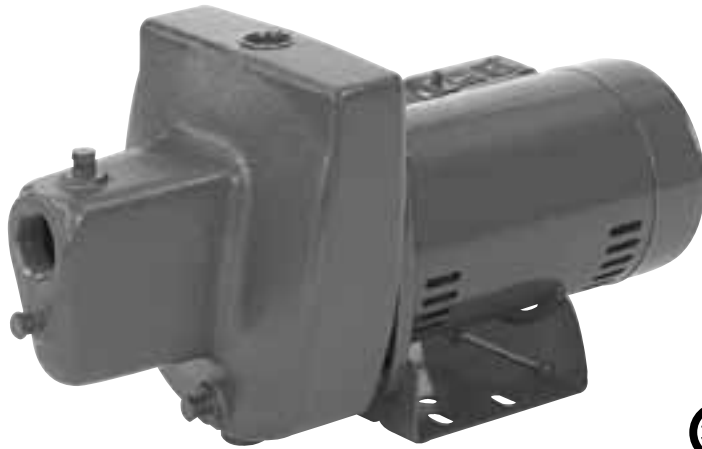


# BERKELEY® SN Series Self-Priming ProJet™ Cast Iron Shallow Well Jet Pumps



The ProJet™ SN Series Pumps provide excellent performance with good pressure for wells to 25' deep. Self-priming 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 (in minutes) at 15 Feet:**

5SN = 2.3; 7SN = 1.7

10SN = 1.3; 15SN = 1.1

**Average Priming Time at 25 Feet:**

5SN = 6.4; 7SN = 4.4

10SN = 4.4; 15SN = 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

## ORDERING INFORMATION

Catalog Number	HP	Switch Setting	Description	Pipe Tapping Sizes		Motor Voltage	Approx. Wt. Lbs.
				Suct.	Disch.		
5SN	1/2	30-50	Shallow Well Jet	1-1/4"	1"	115/230	45
7SN	3/4	30-50	Shallow Well Jet	1-1/4"	1"	115/230	47
10SN	1	30-50	Shallow Well Jet	1-1/4"	1"	115/230	55
15SN	1-1/2	30-50	Shallow Well Jet	1-1/4"	1"	115/230	60

Lexan® and Noryl® are registered trademarks of General Electric Co. All other brand or product names are trademarks or registered marks of Pentair Ltd.

## 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. Clean out plug provided for ease of service.

**Noryl® Impeller** – Precision-molded for perfect balance... ultra-smooth 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... assure prolonged motor life.

**Balanced Rotor** – Die cast 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.

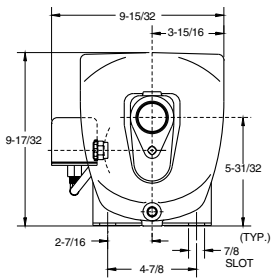
**Pump and Motor Shaft** – Stainless steel for maximum corrosion resistance; one-piece threaded shaft for positive impeller drive and alignment.

**Dustproof Cover** – All electrical components are protected from dirt, dust and insects by a dust-proof canopy; ventilating air cannot contaminate vital switching components.

**Pressure Switch** – Professional quality, allows cut-in adjustments.

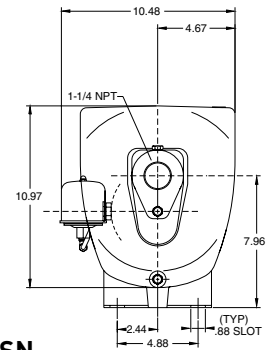
# BERKELEY® SN Series Self-Priming ProJet™ Cast Iron Shallow Well Jet Pumps

## OUTLINE DIMENSIONS

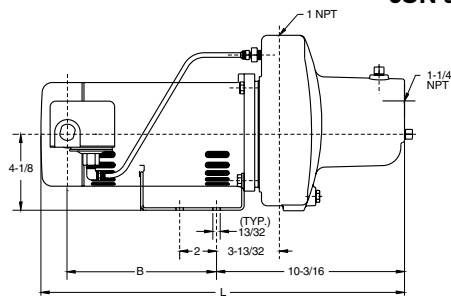


5SN and 7SN

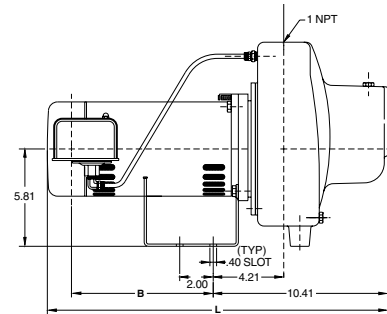
Cat. No.	L	B
5SN	18.7	7.1
7SN	18.7	7.1
10SN	21.3	7.0
15SN	22.4	8.0



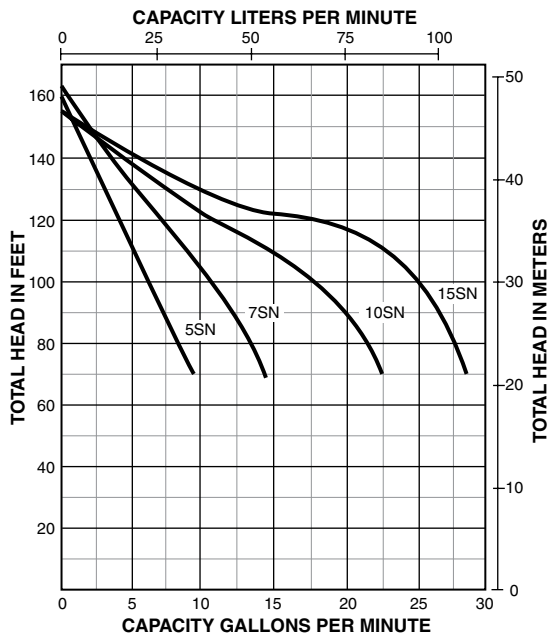
10SN and 15SN



Dimensions (in inches) are for estimating purposes only.



## PUMP PERFORMANCE



2.31 FT. OF HEAD = 1 PSI  
1 FT. OF HEAD = .433 PSI

## PUMP PERFORMANCE (Capacity in Gallons Per Minute)

Catalog Number	HP	Disch. Pressure PSI	Dynamic Suction Lift					Shut-Off Pressure PSI
			5'	10'	15'	20'	25'	
5SN	1/2	30	9.7	8.3	7.4	5.9	4.3	70
		40	7.9	7.2	6.4	5.6	4.1	
		50	4.5	3.8	3.1	2.7	1.8	
7SN	3/4	30	15.0	13.0	11.6	8.7	6.9	70
		40	12.5	11.4	10.1	8.2	6.8	
		50	8.0	6.8	6.1	4.8	3.5	
10SN	1	30	21.4	19.1	16.5	13.3	9.5	67
		40	20.8	18.7	15.8	13.2	9.3	
		50	13.5	11.6	10.1	7.4	2.4	
15SN	1-1/2	30	28.5	25.0	21.4	17.4	12.6	67
		40	28.3	24.4	21.0	17.2	12.3	
		50	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.