



# self-priming 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 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

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## PROJET™ SN SERIES

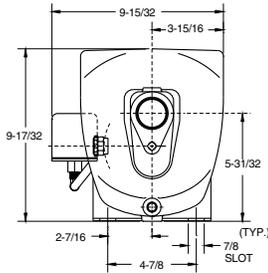
### FEATURES

- 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 dustproof canopy; ventilating air cannot contaminate vital switching components.
- Pressure Switch** – Professional quality, allows cut in adjustments.

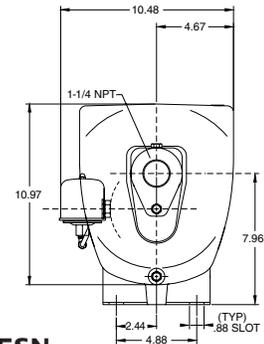


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## OUTLINE DIMENSIONS

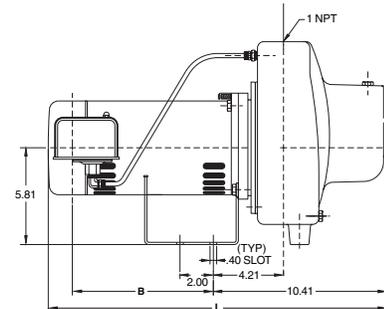
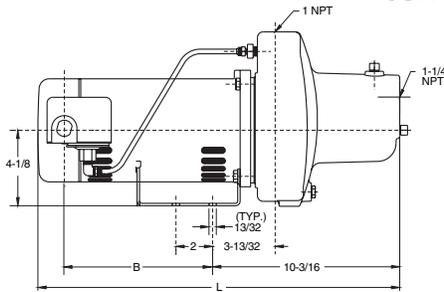


Cat. No.	L	B
5SN	18.7	7.1
7SN	18.7	7.1
10SN	21.3	7.0
15SN	22.4	8.0



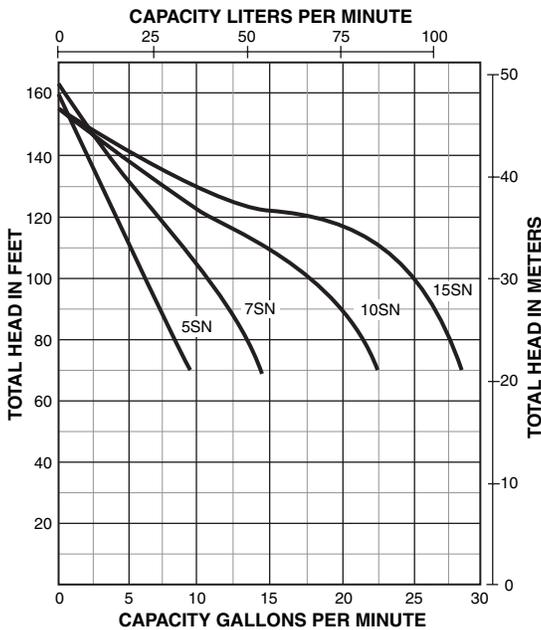
5SN and 7SN

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.

