



self-priming cast iron shallow well jet pumps



The ProJet™ HN models 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 – 5HN = 1.7; 7HN = 1.1; 10HN = 1.3
- Average Priming time at 25 feet – 5HN = 4.4; 7HN = 4.4; 10HN = 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.		
5HN	1/2	30-50	Shallow Well Jet	1-1/4"	1"	115/230	47
7HN	3/4	30-50	Shallow Well Jet	1-1/4"	1"	115/230	65
10HN	1	30-50	Shallow Well Jet	1-1/4"	1"	115/230	70

Lexan® and Noryl® are registered trademarks of General Electric Co. ProJet™ and PRO-Source™ are trademarks of Pentair Water.

In order to provide the best products possible, specifications are subject to change.

PROJET™ HN SERIES

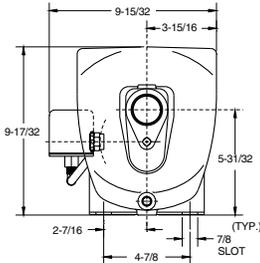
FEATURES

- Quality Construction** – Close grained cast iron body, specially treated for corrosion resistance. 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.
- Pressure Switch** – Professional quality, allows cut in and differential adjustments.

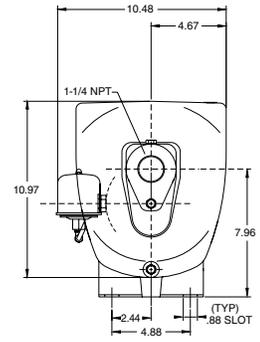


self-priming cast iron shallow well jet pumps

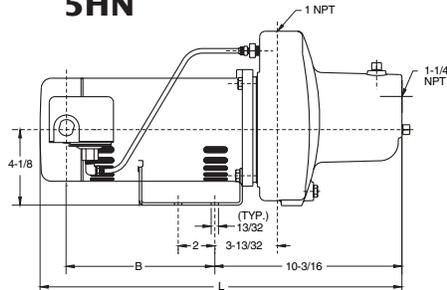
OUTLINE DIMENSIONS



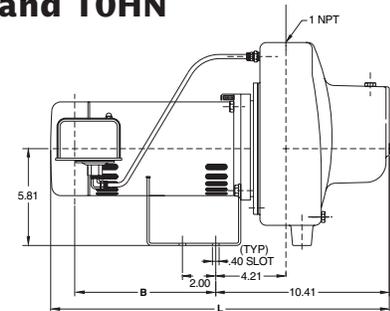
Cat. No.	L	B
5HN	18.7	7.1
7HN	21.3	7.0
10HN	22.4	8.0



5HN

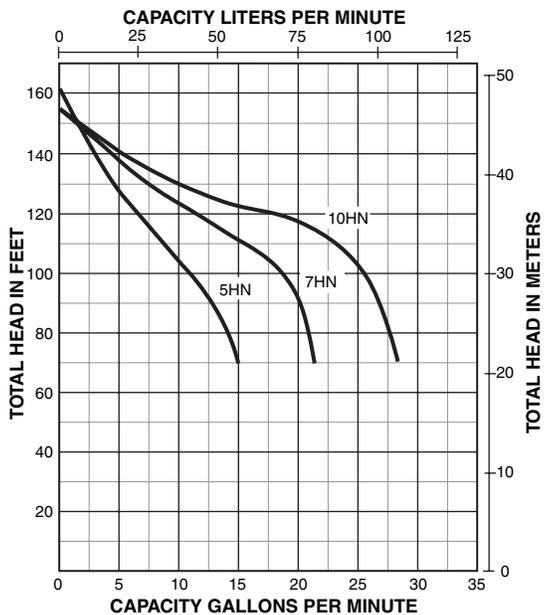


7HN and 10HN



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'	
5HN	1/2	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	
7HN	3/4	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	
10HN	1	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.

