



self-priming cast iron shallow well jet pumps



The ProjJet™ 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** – HNC = 1.7; HND = 1.1; HNE = 1.3
- Average Priming time at 25 feet** – HNC = 4.4; HND = 4.4; HNE = 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.		
HNC	1/2	30-50	Shallow Well Jet	1-1/4"	1"	115/230	47
HND	3/4	30-50	Shallow Well Jet	1-1/4"	1"	115/230	65
HNE	1	30-50	Shallow Well Jet	1-1/4"	1"	115/230	70

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PROJET™ HN SERIES

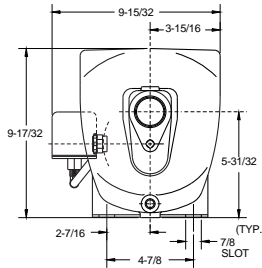
FEATURES

- 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.

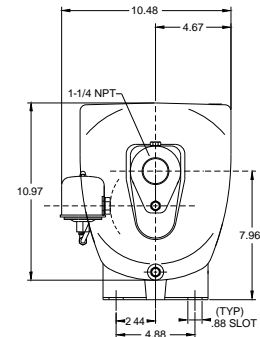


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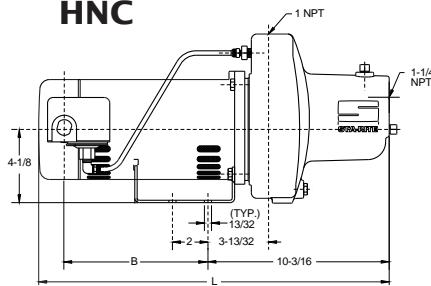
OUTLINE DIMENSIONS



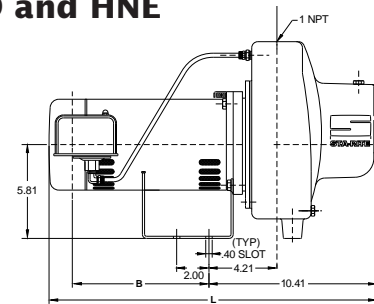
Cat. No.	L	B
HNC	18.7	7.1
HND	21.3	7.0
HNE	22.4	8.0



HNC



HND and HNE



Dimensions (in inches) are for estimating purposes only.

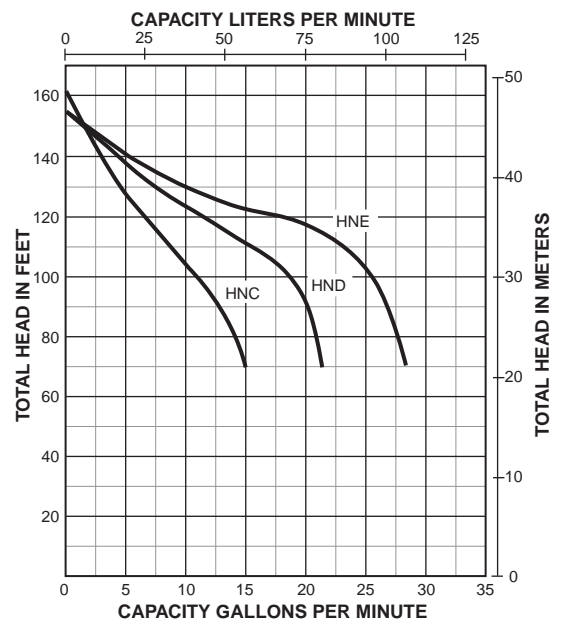
PUMP PERFORMANCE (Capacity in Gallons Per Minute)

Catalog Number	HP	Disch. Pressure PSI	Dynamic Suction Lift					Shut-Off Pressure PSI
			5'	10'	15'	20'	25'	
HNC	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	
HND	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	
HNE	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.

PUMP PERFORMANCE



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

