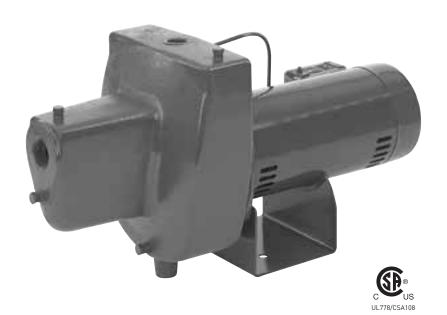
### BERKELEY® PROJET™ HN Series

Cast iron, self-priming 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:  $140^{\circ}F$ 

Max. Inlet Pressure: 50 PSI

Average Priming Time (in minutes) at 15 Feet:

5HN = 1.7; 7HN = 1.1; 10HN = 1.3

### Average Priming Time (in minutes) 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 PIPE TAPPIPNG SIZES **SWITCH MOTOR** APPROX. **CATALOG NUMBER** HP SETTING DESCRIPTION SUCTION DISCHARGE **VOLTAGE** WT. LBS. 30-50 1-1/4" 5HN 1/2 Shallow Well Jet 115/230 47 7HN 3/4 30-50 Shallow Well Jet 1-1/4" 1" 115/230 65 10HN 30-50 1-1/4" 1" 115/230 70 1 Shallow Well Jet

### **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. Cleanout 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 quarantees continuous water lubrication.

**Motor Windings:** Superior insulation materials protect against excessive moisture and contaminants...assure 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.

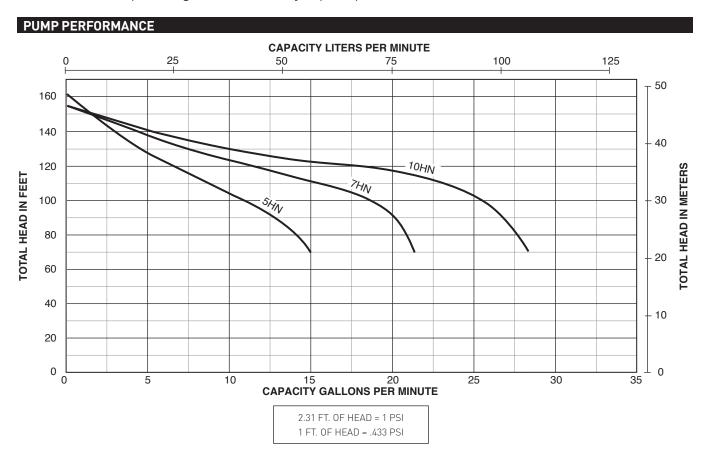
**Pressure Switch:** Professional quality, allows cut-in and differential adjustments.

Pentair trademarks and logos are owned by Pentair plc or its affiliates. All other third party registered and unregistered trademarks and logos are the property of their respective owners.



## **BERKELEY® PROJET™ HN Series**

Cast iron, self-priming shallow well jet pumps



PUMP PERFORMANCE (Capacity in gallons per minute)								
CATALOG NUMBER	HP	DISCH. PRESSURE PSI	DYNAMIC SUCTION LIFT					SHUT-OFF
			5'	10'	15'	20'	25'	PRESSURE PSI
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	
	3/4	30	21.4	19.1	16.5	13.3	9.5	67
7HN		40	20.8	18.7	15.8	13.2	9.3	
		50	13.5	11.6	10.1	7.4	2.4	
	1	30	28.5	25.0	21.4	17.4	12.6	67
10HN		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.

2

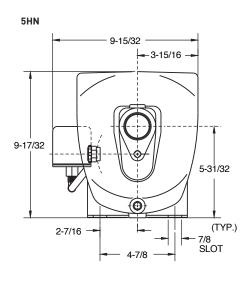
CB5135WS

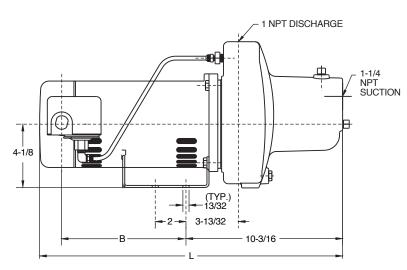
# **BERKELEY® PROJET™ HN Series**

Cast iron, self-priming shallow well jet pumps

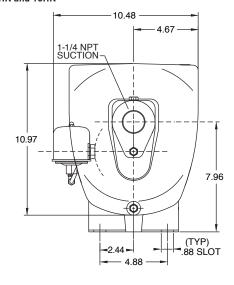
### **OUTLINE DIMENSIONS**

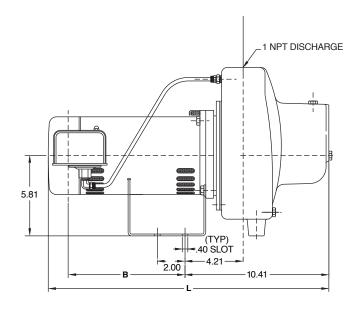
CATALOG NUMBER	L	В
5HN	18.7	7.1
7HN	21.3	7.0
10HN	22.4	8.0





#### 7HN and 10HN





Dimensions (in inches) are for estimating purposes only.

**3** CB5135WS

