STA-RITE® ProJet™ SN Series
Cast iron, self-priming 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:
SNC = 2.3; SND = 1.7
SNE = 1.3; SNF = 1.1
Average Priming Time (in minutes) at 25 Feet:
SNC = 6.4; SND = 4.4
SNE = 4.4; SNF = 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

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. 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 guarantees 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.
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.

ORDERING INFORMATION

<table>
<thead>
<tr>
<th>CATALOG NUMBER</th>
<th>HP</th>
<th>SWITCH SETTING</th>
<th>DESCRIPTION</th>
<th>PIPE TAPPING SIZES</th>
<th>SUCTION</th>
<th>DISCHARGE</th>
<th>MOTOR VOLTAGE</th>
<th>APPROX. WT. LBS.</th>
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<tbody>
<tr>
<td>SNC-HF25L</td>
<td>1/2</td>
<td>20-40</td>
<td>Hi Flow, Shallow Well Jet</td>
<td>1-1/4&quot;</td>
<td>1&quot;</td>
<td>115/230</td>
<td>45</td>
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<tr>
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<td>30-50</td>
<td>Shallow Well Jet</td>
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<td>30-50</td>
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<td>Shallow Well Jet</td>
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<td>Shallow Well Jet</td>
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PUMP PERFORMANCE

CATALOG NUMBER  HP  DISCH. PRESSURE PSI  DYNAMIC SUCTION LIFT  SHUT-OFF PRESSURE PSI

SNC-HF25L  1/2
20  13.7  12.3  10.6  8.8  6.3  56
30  11.8  10.6  9.3  8.2  6.2
40  9.7  8.3  7.4  5.9  4.3

SNC  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

SND  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

SNE  1
30  21.4  19.1  16.5  13.3  9.5  67
40  20.8  18.7  15.8  13.2  9.3

SNF  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.
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OUTLINE DIMENSIONS

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<tr>
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<tr>
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Dimensions (in inches) are for estimating purposes only.