A typical picture of the pump is shown. Please contact Cornell Pump Company for further details. All information is approximate and for general guidance only.

Pump designed with Cornell's renowned quality and durability. Features a 6” discharge and a 6” suction, with an enclosed two vane impeller design that handles up to a 3” solid. Available in all iron and CD4MCu materials. Cd4MCu usable in pH's of 2 to 13.5, with Brinell hardness of up to 285. Cornell's patented Cycloseal® design is standard, with a John Crane T-2 single mechanical seal with Viton® elastomers, with stainless steel hardware and tungsten carbide vs. silicon carbide seal faces for abrasion resistance. Bearings are heavy-duty, grease lubricated, deep ball bearings with a minimum of 50,000 hours bearing life.

- Superior lift capability
- Excellent NPSHr
- High-efficiency design
- Variable speed
- 24-hour run time
- Cycloseal® design mechanical seal
- Heavy-duty construction
- RunDry™ option (Indefinite run dry capability)
- Unmanned operations
- Redi-Prime® fully automatic self-priming, dry-priming available
- 150 lb. flange on CD4MCu; 125 lb. flange on all iron pump

### MOUNTING CONFIGURATIONS

| 6NNT-RP-F Redi-Prime® Frame Mount |
| 6NNT-RP-EM Redi-Prime® Engine Mount |
| 6NNT-F Frame Mount |
| 6NNT-EM Engine Mount |
| 6NNT-CC Close-Coupled Mount |
| 6NNT-VM Vertical Mount |
| 6NNT-VF Vertical Frame Mount |

### STOCK MATERIALS

All Iron, CD4MCu

### OPERATING LEVELS

| MAX FLOW: | 2750 GPM | 173.5 L/S |
| DISCHARGE SIZE: | 6” | 15 cm |
| SUCTION SIZE: | 6” | 15 cm |
| SOLIDS HANDLING: | 3” | 7.6 cm |
| MAX SPEED: | 2100 RPM | 2100 RPM |
| MAX HEAD: | 150’ | 46 m |

**PARTS**

| WEAR RINGS | CAST IRON ASTM A48 Class 30 |
| IMPELLER | CAST IRON ASTM A48 Class 30 |
| VOLUTE | CAST IRON ASTM A48 Class 30 |
| SHAFT | 1144 Stress Proof Steel |
| SHAFT SLEEVE | 416 Stainless Steel |

**STANDARD MATERIAL (ALL IRON)**

| WEAR RINGS | CD4MCu |
| IMPELLER | CD4MCu Cast Stainless ASTM A890 Grade 1A |
| VOLUTE | CD4MCu Cast Stainless ASTM A890 Grade 1A |
| SHAFT | 17-4PH Stainless Steel FH -H1075 |
| SHAFT SLEEVE | 316 Stainless Steel |

| PARTS | STANDARD MATERIAL (CD4MCu) |
| WEAR RINGS | 2205 Duplex SS FF ASTM A890 |
| IMPELLER | CD4MCu Cast Stainless ASTM A890 Grade 1A |
| VOLUTE | CD4MCu Cast Stainless ASTM A890 Grade 1A |
| SHAFT | 17-4PH Stainless Steel FH -H1075 |
| SHAFT SLEEVE | 316 Stainless Steel |
### Data Sheets: 6NNT

**Suction Discharge No. vanes**

<table>
<thead>
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<th>Speed</th>
<th>Impeller Dia.</th>
<th>Style</th>
<th>Solids Dia.</th>
<th>N_S</th>
<th>Suction</th>
<th>Discharge</th>
<th>No. vanes</th>
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<td>ENCLOSED</td>
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<td>3300</td>
<td>6&quot;</td>
<td>6&quot;</td>
<td>2</td>
</tr>
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</table>

#### Units Conversion

- Feet x .305 = Meters
- Inches x 25.4 = Millimeters
- GPM x 3.785 = Liters/Minute
- HP x 0.746 = KW
- GPM x 0.227 = Cubic Meters/Hour
- Inches x 25.4 = Millimeters
- Feet x 0.305 = Meters

**Graphs:**

- **SINGLE Volute**
- **MOUNTING CONFIG.:** CC, VM, F, VF, EM, VC

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*Efficient by Design*

**Performance shown is for cool water – design for performance for other measuring point may require horsepower and/or performance adjustments.

Other mounting styles or liquids may require coupled electric configuration with Cycloseal.

Performances shown are for cool water, close-coupled electric configuration with Cycloseal.

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**Cornell Pump Company**
- Portland, Oregon

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**6NNT - VARIOUS RPM**