<table>
<thead>
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<th>No. Stages</th>
<th>Eff.</th>
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<tbody>
<tr>
<td>1</td>
<td>12</td>
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<tr>
<td>2</td>
<td>11</td>
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<tr>
<td>3</td>
<td>10</td>
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<td>9</td>
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</table>

**12VT2500 CLOSED IMPELLER**

**VERTICAL LINESHAFT TURBINES**

**Nominal RPM:** 1770

**Based on Fresh Water @ 68 deg. F**

**Maximum Working Pressure:** 0 PSI

**Maximum Operation Speed - RPM:** 1800

**Maximum Sphere Size - inch:** 1.01

**Pump Shaft Diameter - inch:** 1.687

**Thrust Factor - Kt:** 10.97

**Bowl Weight, 1st Stg W/L - lbs:** 193

**WR2:** 1.07

**Bowl Weight, 1st Stg O/L - lbs:** 241

**Running Position (Above Seat) - inch:** 0.200

**Bowl Weight, Ea. Add Stage - lbs:** 102

**Submergence - inch:** 72

**Allowable Shaft Stretch - inch:** 1.58

**Max Bowl Brg Clearance - in. dia:** 0.014

**Std Max Working Pressure - PSI:** 400

**Max Wear Ring Clearance - in. dia:** 0.015

**Optional Max Working Pressure - PSI:** 700

**Max Bowl O.D. - inch:** 11.75

**Impeller Eye Area - Sq. In:** 36.7

**Suction Bell O.D. - inch:** 13

**Rotor Weight 1st/add stages - lbs:** 29

**Standard Max Number Stages:** 10

**Additional Length Per Stage - inch:** 13.25

**Optional Max Number Stages:** 10

**Discharge Thread Column - inch:** 8 or 10

**Suction Threads NPT - inch:** 8 or 10
BERKELEY®
VERTICAL LINESHAFT TURBINES

**12VT2500K SEMI-OPEN IMPELLER 1770R.P.M.**
SINGLE STAGE LAB PERFORMANCE WITH STANDARD MATERIALS. EFFICIENCY SHOWN FOR 4 OR MORE STAGES. HORSE POWER SHOWN FOR ONE STAGE BASED ON 4 STAGE EFFICIENCY. CORRECTIONS SHOULD BE MADE FOR STAGES AND MATERIAL.

<table>
<thead>
<tr>
<th>No. Stages</th>
<th>Eff.</th>
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<tbody>
<tr>
<td>1</td>
<td>-2</td>
</tr>
<tr>
<td>2</td>
<td>-1</td>
</tr>
<tr>
<td>3</td>
<td>0</td>
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<tr>
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</table>

**No. Stages Eff.**

- **12VT2500K:** SEMI-OPEN IMPELLER 1770R.P.M.
- **SEMI-OPEN IMPELLER:**
- **SINGLE STAGE PERFORMANCE WITH STANDARD MATERIALS. EFFICIENCY SHOWN FOR 4 OR MORE STAGES. HORSE POWER SHOWN FOR ONE STAGE BASED ON 4 STAGE EFFICIENCY. CORRECTIONS SHOULD BE MADE FOR STAGES AND MATERIALS.**

**Maximum Operation Speed - RPM:** 1800
**Maximum Sphere Size - inch:** 1.01

**Pump Shaft Diameter - inch:** 1.687
**Thrust Factor - Kt:** 13.16

**Bowl Weight, 1st Stg W/L - lbs:** 193
**Running Position (Above Seat) - inch:** 65

**Bowl Weight, 1st Stg O/L - lbs:** 241
**Submergence - inch:** 0.015

**Bowl Weight, Ea. Add Stage - lbs:** 102
**Max Bowl O.D. - inch:** 11.75

**Optional Max Working Pressure - PSI:** 400
**Max Wear Ring Clearance - in. dia:** N/A

**Std Max Working Pressure - PSI:** 100
**Max Bowl Brg Clearance - in. dia:** 0.014

**Allowable Shaft Stretch - inch:** 1.58
**Max Bowl O.D. - inch:** 11.75

**Impeller Eye Area - Sq. In:** 36.7
**Suction Bell O.D. - inch:** 13

**Rotor Weight 1st/add stages - lbs:** 23.1
**Standard Max Number Stages:** 10

**Additional Length Per Stage - inch:** 13.25
**Optional Max Number Stages:** 0

**Discharge Thread Column - inch:** 8 or 10
**Suction Threads NPT - inch:** 8 or 10

**293 WRIGHT STREET, DELAVAN, WI 53115  WWW.BERKELEYPUMPS.COM  PH: 888-237-5353  ORDERS FAX: 800-321-8793**

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