<table>
<thead>
<tr>
<th>No. Stages</th>
<th>Eff.</th>
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<tbody>
<tr>
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<td>-2</td>
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<tr>
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<td>-1</td>
</tr>
<tr>
<td>3</td>
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12VT1350 CLOSED IMPELLER  
R.P.M. 1770

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.

### Maximum Operation Speed - RPM
- 1800

### Maximum Sphere Size - inch
- 1.00

### Thrust Factor - Kt
- 12.45

### Bowl Weight, 1st Stg W/L - lbs
- 216

### WR2
- 1.58

### Bowl Weight, 1st Stg O/L - lbs
- 264

### Running Position (Above Seat) - inch
- 0.200

### Bowl Weight, Ea. Add Stage - lbs
- 125

### Submergence - inch
- 44

### Allowable Shaft Stretch - inch
- 1.56

### 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
- 35.1

### Suction Bell O.D. - inch
- 13

### Rotor Weight 1st/add stages - lbs
- 35

### Standard Max Number Stages
- 10

### Additional Length Per Stage - inch
- 15.5

### Optional Max Number Stages
- 14

### Discharge Thread Column - inch
- 8 or 10

### Suction Threads NPT - inch
- 8 or 10
VERTICAL LINESHAFT TURBINES

**12VT1350K SEMI-OPEN IMPELLER 1770 R.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.

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### TABLE: MODEL 12VT1350K

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<td>12</td>
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<td>3</td>
<td>10</td>
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<tr>
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<td>9</td>
</tr>
</tbody>
</table>

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### Graphs:

#### Vertical Line Graph

- **Y-axis:** Head - m
- **X-axis:** Flow - m³/s

#### Horizontal Line Graph

- **Y-axis:** Power - kW
- **X-axis:** Capacity - USgpm

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**Maximum Operation Speed - RPM:** 1800

**Pump Shaft Diameter - inch:** 1.687

**Bowl Weight, 1st Stg W/L - lbs:** 216

**Bowl Weight, 1st Stg O/L - lbs:** 244

**Bowl Weight, Ea. Add Stage - lbs:** 125

**Allowable Shaft Stretch - inch:** 1.56

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

**Optional Max Working Pressure - PSI:** 0

**Impeller Eye Area - Sq. In:** 35.1

**Rotor Weight 1st/add stages - lbs:** 24.6

**Additional Length Per Stage - inch:** 15.5

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

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**PENTAIR**

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