BERKELEY®
VERTICAL LINESHAFT TURBINES

<table>
<thead>
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<th>No. Stages</th>
<th>Eff.</th>
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<tr>
<td>1</td>
<td>-2</td>
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<tr>
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12VT1650 CLOSED 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.

Maximum Operation Speed - RPM 1800
Pump Shaft Diameter - inch 1.687
Thrust Factor - Kt 12.29
Bowl Weight, 1st Stg W/L - lbs 216
WR2 1.57
Bowl Weight, 1st Stg O/L - lbs 264
Running Position (Above Seat) - inch 0.200
Bowl Weight, Ea. Add Stage - lbs 125
Submergence - inch 52
Allowable Shaft Stretch - inch 1.25
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 31.9
Suction Bell O.D. - inch 13
Rotor Weight 1st/add stages - lbs 36
Standard Max Number Stages 9
Additional Length Per Stage - inch 15.5
Optional Max Number Stages 11
Discharge Thread Column - inch 8 or 10
Suction Threads NPT - inch 6 or 10

WATER LUBE

OIL LUBE
12VT1650K SEMI-OPEN IMPELLER 1770 R.P.M.

VERTICAL LINESHAFT TURBINES

No. Stages Eff.
1 -2
2 -1
3 0
4 0

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 MATERIALS.

Maximum Operation Speed - RPM 1800
Pump Shaft Diameter - inch 1.687
Thrust Factor - Kt 18.48
Bowl Weight, 1st Stg W/L - lbs 216
WR
Bowl Weight, 1st Stg O/L - lbs 244
Running Position (Above Seat) - inch 0.015
Bowl Weight, Ea. Add Stage - lbs 125
Submergence - inch 50
Allowable Shaft Stretch - inch 1.25
Max Bowl Brg Clearance - in. dia 0.014
Std Max Working Pressure - PSI 400
Max Wear Ring Clearance - in. dia N/A
Optional Max Working Pressure - PSI 0
Max Bowl O.D. - inch 11.75
Impeller Eye Area - Sq. In 31.9
Suction Bell O.D. - inch 13
Rotor Weight 1st/add stages - lbs 25.7
Standard Max Number Stages 9
Additional Length Per Stage - inch 15.5
Optional Max Number Stages 0
Discharge Thread Column - inch 8 or 10
Suction Threads NPT - inch 8 or 10

Maximum Sphere Size - inch 1.10

Because we are continuously improving our products and services, Pentair reserves the right to change specifications without prior notice.

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