BERKELEY®
VERTICAL LINESHAFT TURBINES

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

12VT2000 CLOSED IMPELLER
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 |
| Bowl Weight, 1st Stg W/L - lbs | 195 |
| Bowl Weight, 1st Stg O/L - lbs | 243 |
| Bowl Weight, Ea. Add Stage - lbs | 104 |
| Allowable Shaft Stretch - inch | 1.58 |
| Std Max Working Pressure - PSI | 400 |
| Optional Max Working Pressure - PSI | 700 |
| Impeller Eye Area - Sq. In | 37.2 |
| Rotor Weight 1st/add stages - lbs | 31 |
| Additional Length Per Stage - inch | 13.25 |
| Discharge Thread Column - inch | 8 or 10 |
| Maximum Sphere Size - inch | 0.84 |
| Thrust Factor - Kt | 11.88 |
| Submergence - inch | 63 |
| Max Bowl Brg Clearance - in. dia | 0.014 |
| Max Wear Ring Clearance - in. dia | 0.015 |
| Max Bowl O.D. - inch | 11.75 |
| Standard Bell O.D. - inch | 13 |
| Standard Max Number Stages | 10 |
| Optional Max Number Stages | 11 |
| Suction Threads NPT - inch | 8 or 10 |

WATER LUBE
OIL LUBE
VERTICAL LINESHAFT TURBINES

No. Stages  Eff.  12VT2000K  SEMI-OPEN IMPELLER  1770 R.P.M.
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 MATERIAL.

Maximum Operation Speed - RPM  1800
Pump Shaft Diameter - inch  1.687
Bowl Weight, 1st Stg W/L - lbs  195
Bowl Weight, 1st Stg O/L - lbs  243
Bowl Weight, Ea. Add Stage - lbs  104
Allowable Shaft Stretch - inch  1.58
Std Max Working Pressure - PSI  400
Impeller Eye Area - Sq. In  37.2
Rotor Weight 1st/add stages - lbs  25
Additional Length Per Stage - inch  13.25
Discharge Thread Column - inch  8 or 10

Maximum Sphere Size - inch  0.84
Thrust Factor - Kt  14.60
Submergence - inch  62
Max Bowl Brg Clearance - in. dia  0.014
Max Bowl O.D. - inch  11.75
Suction Bell O.D. - inch  13.2
Suction Threads NPT - inch  8 or 10

Bowl Weight, 1st Stg W/L - lbs  195
Bowl Weight, 1st Stg O/L - lbs  243
Allowable Shaft Stretch - inch  1.58
Std Max Working Pressure - PSI  400
Impeller Eye Area - Sq. In  37.2
Rotor Weight 1st/add stages - lbs  25
Additional Length Per Stage - inch  13.25
Discharge Thread Column - inch  8 or 10

Maximum Sphere Size - inch  0.84
Thrust Factor - Kt  14.60
Submergence - inch  62
Max Bowl Brg Clearance - in. dia  0.014
Max Bowl O.D. - inch  11.75
Suction Bell O.D. - inch  13.2
Suction Threads NPT - inch  8 or 10

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

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