# BERKELEY®

## VERTICAL LINESHAFT TURBINES

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

295.4 00-9m28 2-0502.TdM7y.7950 44.5 00574395036 w3.TdM7y6903 52.4 00-57439501 1.162TdM7y2-0725 58.4 005.9-

**12VT500**

**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 Operating Speed | 1800 | Maximum Sphere Size-inches | 0.65 |
| Pump Shaft Diameter-inches | 1.687 | Thrust Factor-Kt | 6.4 |
| Bowl Weight 1st Stage | 220 | WR2 | 0.893 |
| Bowl Weight Ea. Add Stage-lbs | 81.1 | Running Position (Above Seat)-in. | 0.200 |
| Allowable Shaft Stretch-inches | 0.95 | Submergence-inches | 23 |
| Maximum Working Pressure-PSI | 380 | Max Bowl Brg Clearance-in. Dia | 0.012 |
| Maximum Hydro Pressure-PSI | 570 | Max Wear Ring Clearance-in Dia. | N/A |
| Impeller Eye -Sq. In | 14.93 | Max Bowl O.D.-inches | 11.63 |
| Rotor Weight 1st/add stages-(Ka) | 43/21.4 | Suct Bell O.D.-inches | 11.63 |
| Add 7.76" per additional stage | | Maximum Number of Stages | 9 |
| Discharge-inches | 6, 8 | Suction-inches | 8 |

PENTAIR

2 3 , , 53115 . .
-237-5353 00-321- 7 3

114 (02/23/15) 2015