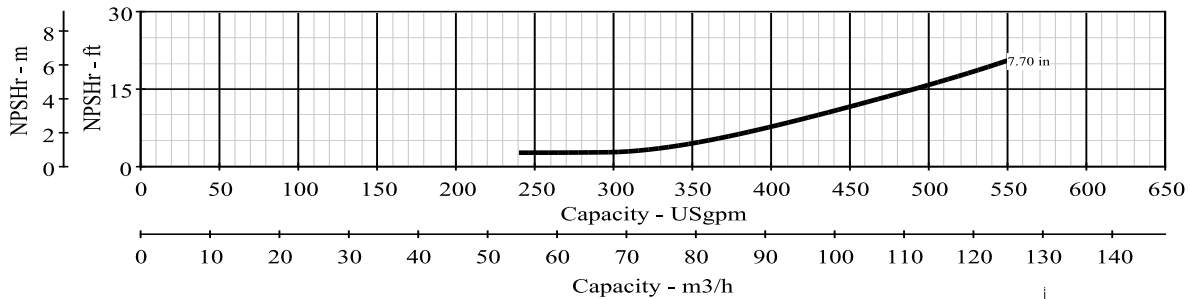
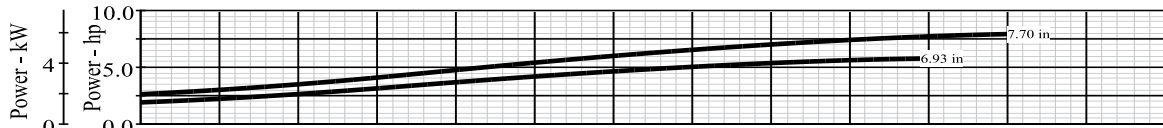
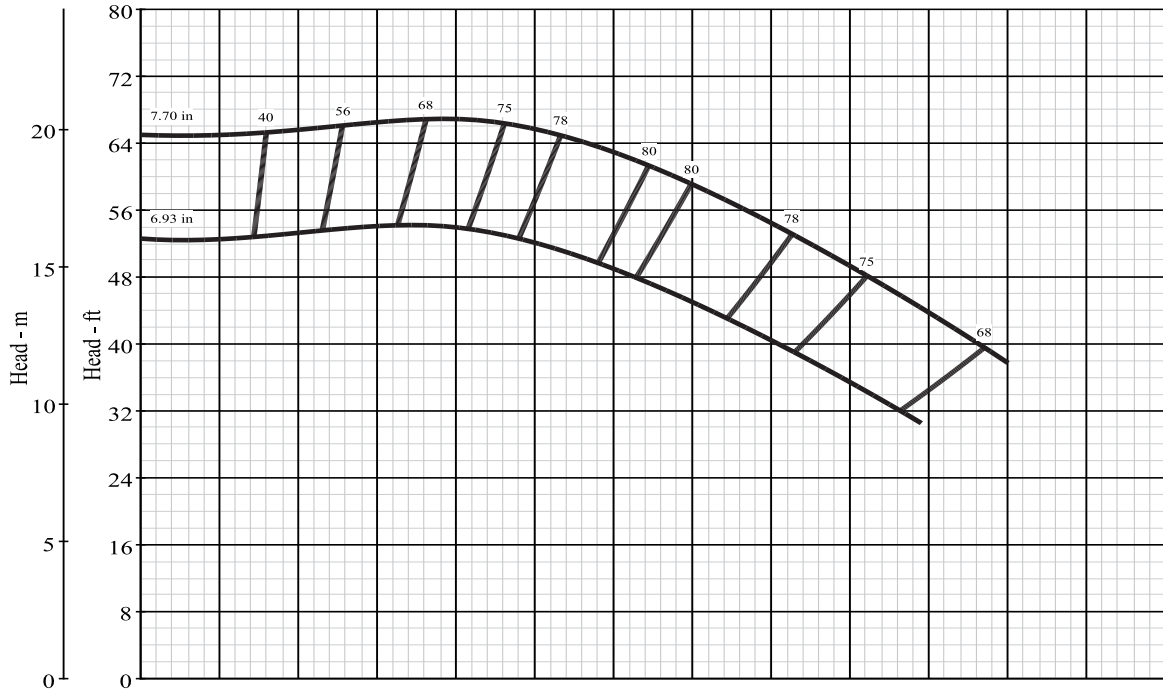
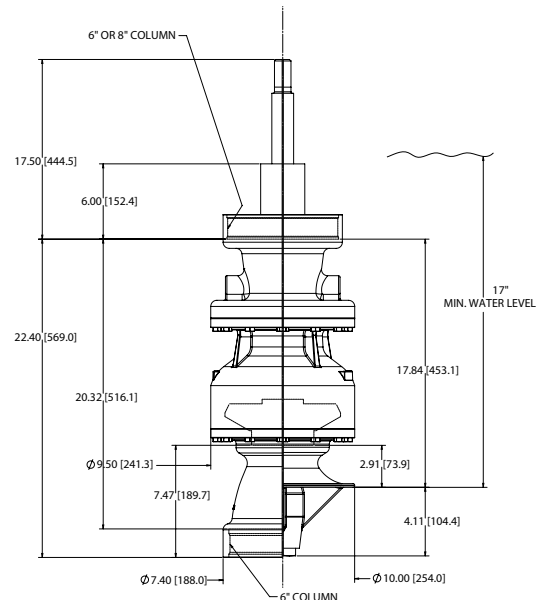


BERKELEY® VERTICAL LINESHAFT TURBINES

| No. Stages | Eff. | 10VT300 | 1770 R.P.M. |
|------------|------|--|-------------|
| 1 | -2 | 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 | |
| 2 | -1 | | |
| 3 | 0 | | |
| 4 | 0 | | |



| | | | |
|----------------------------------|---------|-----------------------------------|-------|
| Maximum Operating Speed | 1800 | Maximum Sphere Size-inches | 0.53 |
| Pump Shaft Diameter-inches | 1.50 | Thrust Factor-Kt | 4.8 |
| Bowl Weight 1st Stage | 132.7 | WR^2 | 0.397 |
| Bowl Weight Ea. Add Stage-lbs | 45.2 | Running Position (Above Seat)-in. | 0.200 |
| Allowable Shaft Stretch-inches | 0.85 | Submergence-inches | 17 |
| Maximum Working Pressure-PSI | 340 | Max Bowl Brg Clearance-in. Dia | 0.012 |
| Maximum Hydro Pressure-PSI | 510 | Max Bowl O.D.-inches | N/A |
| Impeller Eye -Sq. In | 10.35 | Max Bowl O.D.-inches | 9.5 |
| Rotor Weight 1st/add stages-(Ks) | 28.4/14 | Suct Bell O.D.-inches | 10 |
| Add 7.76" per additional stage | | Maximum Number of Stages | 12 |
| Discharge-inches | 6, 8 | Suction-inches | 6 |



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