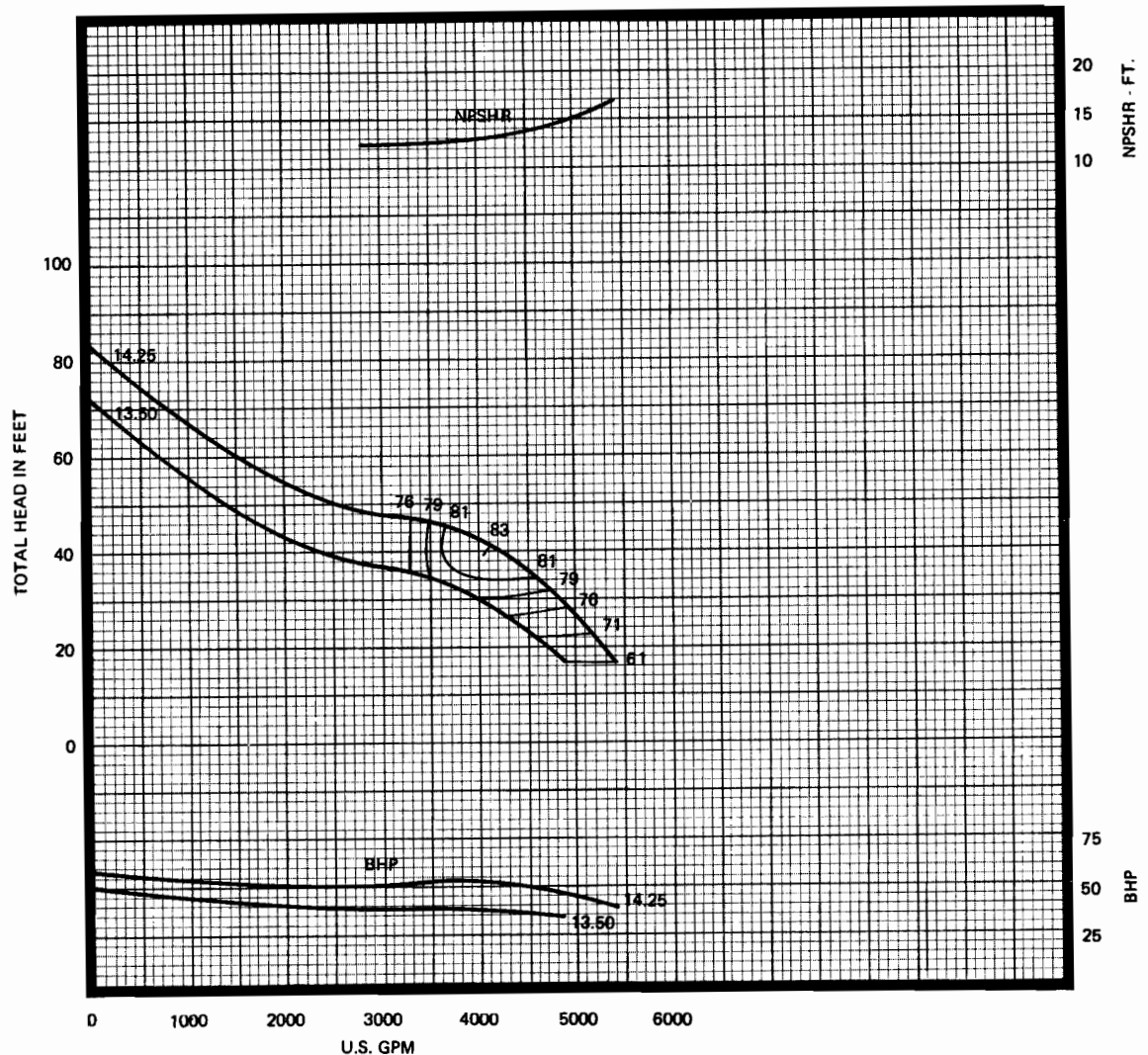


# VERTICAL TURBINE PUMPS SINGLE STAGE PERFORMANCE

**18XH  
6920**

**1170  
RPM**

IMPELLER  
T5KB268



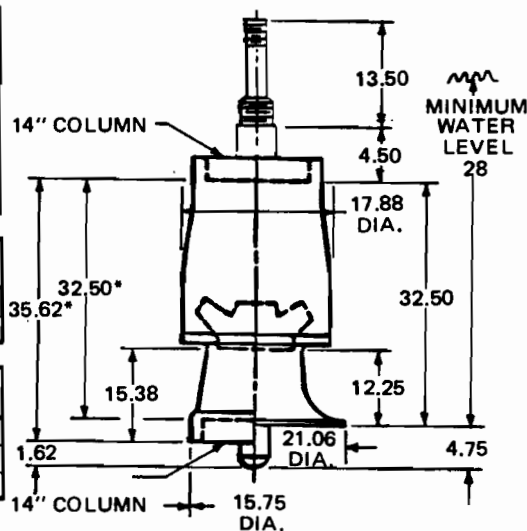
## EFFICIENCY CORRECTIONS (1)

| NUMBER OF STAGES | EFFICIENCY CHANGE |
|------------------|-------------------|
| 1                | - 2.0 POINTS      |
| 2                | - 1.0 POINTS      |
| 3                | NO CHANGE         |
| 4                | NO CHANGE         |
| 5                | NO CHANGE         |
| 6 OR MORE        | NO CHANGE         |

| BOWL MATERIAL | EFFICIENCY CHANGE |
|---------------|-------------------|
| CAST IRON     | - 2.0 POINTS      |
| EPOXIED C. I. | NO CHANGE         |

| IMPELLER MATERIAL | EFFICIENCY CHANGE |
|-------------------|-------------------|
| CAST IRON         | - 1.0 POINTS      |
| BRONZE            | NO CHANGE         |
| EPOXIED C. I.     | NO CHANGE         |

## DIMENSIONS (Inches)



## TECHNICAL DATA

| DATA                                 | VALUE                              |
|--------------------------------------|------------------------------------|
| MAXIMUM OPERATING SPEED              | 1800 RPM                           |
| MAXIMUM NUMBER OF STAGES             | 12**                               |
| PUMP SHAFT DIAMETER                  | 2 <sup>7</sup> / <sub>16</sub> IN. |
| IMPELLER EYE AREA                    | 86.1 SQ. IN.                       |
| MAXIMUM SPHERE SIZE                  | 1.25 IN.                           |
| K <sub>1</sub> (THRUST FACTOR)       | 33 LBS./FT.                        |
| K <sub>2</sub> (ROTOR WT. PER STAGE) | 50 LBS.                            |
| BOWL WT. (FIRST STAGE)               | 750 LBS.                           |
| BOWL WT. (EACH ADD'L. STAGE)         | 350 LBS.                           |
| ALLOWABLE SHAFT STRETCH              | .94 IN.**                          |
| WK <sup>2</sup> (FIRST STAGE)        | 15.56 LBS.-FT. <sup>2</sup>        |
| WK <sup>2</sup> (EACH ADD'L. STAGE)  | 15.27 LBS.-FT. <sup>2</sup>        |
| BOWL RING CLEARANCE                  | .014/.020 IN.                      |

\*\*These are nominal values.. Refer to "Application and Reference Data" for information further limiting or extending these values.

(1) Refer to "Application and Reference Data" for head correction.

\*Add 16.38 for each additional stage.