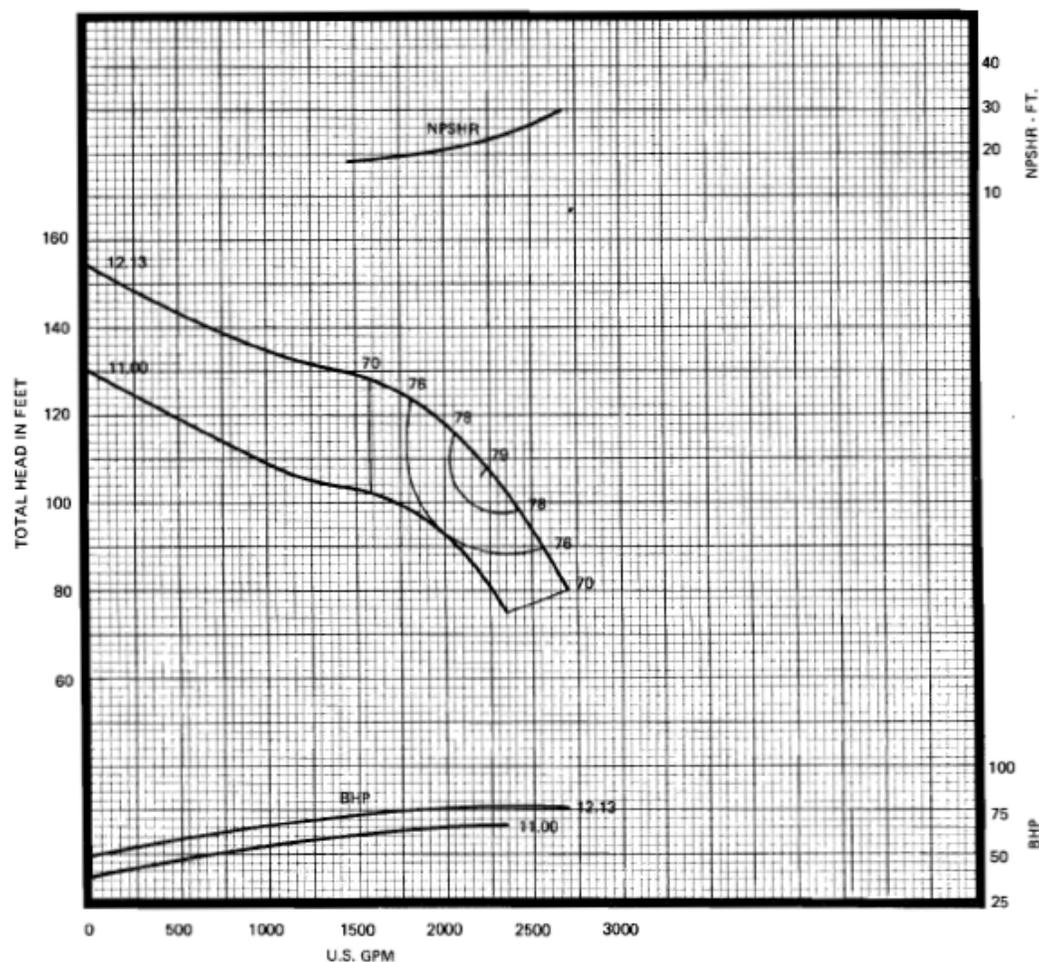


# VERTICAL TURBINE PUMPS SINGLE STAGE PERFORMANCE



**16HC  
6920**

**1770  
RPM**

IMPELLER  
T5HA99

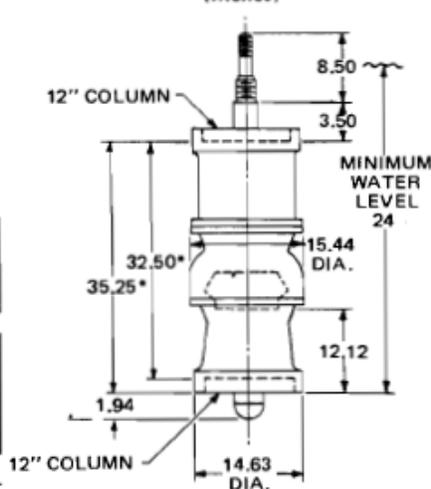
### EFFICIENCY CORRECTIONS (1)

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	- 1.0 POINTS
ENAMELED C.I.	NO CHANGE

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

### DIMENSIONS (Inches)



\*Add 12.75 for each additional stage.

### TECHNICAL DATA

DATA	VALUE
MAXIMUM OPERATING SPEED	2250 RPM
MAXIMUM NUMBER OF STAGES	7**
PUMP SHAFT DIAMETER	2 <sup>3</sup> / <sub>16</sub> IN.
IMPELLER EYE AREA	47.7 SQ. IN.
MAXIMUM SPHERE SIZE	1.00 IN.
K <sub>t</sub> (THRUST FACTOR)	17 LBS./FT.
K <sub>a</sub> (ROTOR WT. PER STAGE)	37.3 LBS.
BOWL WT. (FIRST STAGE)	600 LBS.
BOWL WT. (EACH ADD'L. STAGE)	300 LBS.
ALLOWABLE SHAFT STRETCH	.81 IN.**
WK <sup>2</sup> (FIRST STAGE)	7.26 LBS. - FT. <sup>2</sup>
WK <sup>2</sup> (EACH ADD'L. STAGE)	7.10 LBS. - FT. <sup>2</sup>
BOWL RING CLEARANCE	.012/.017 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.