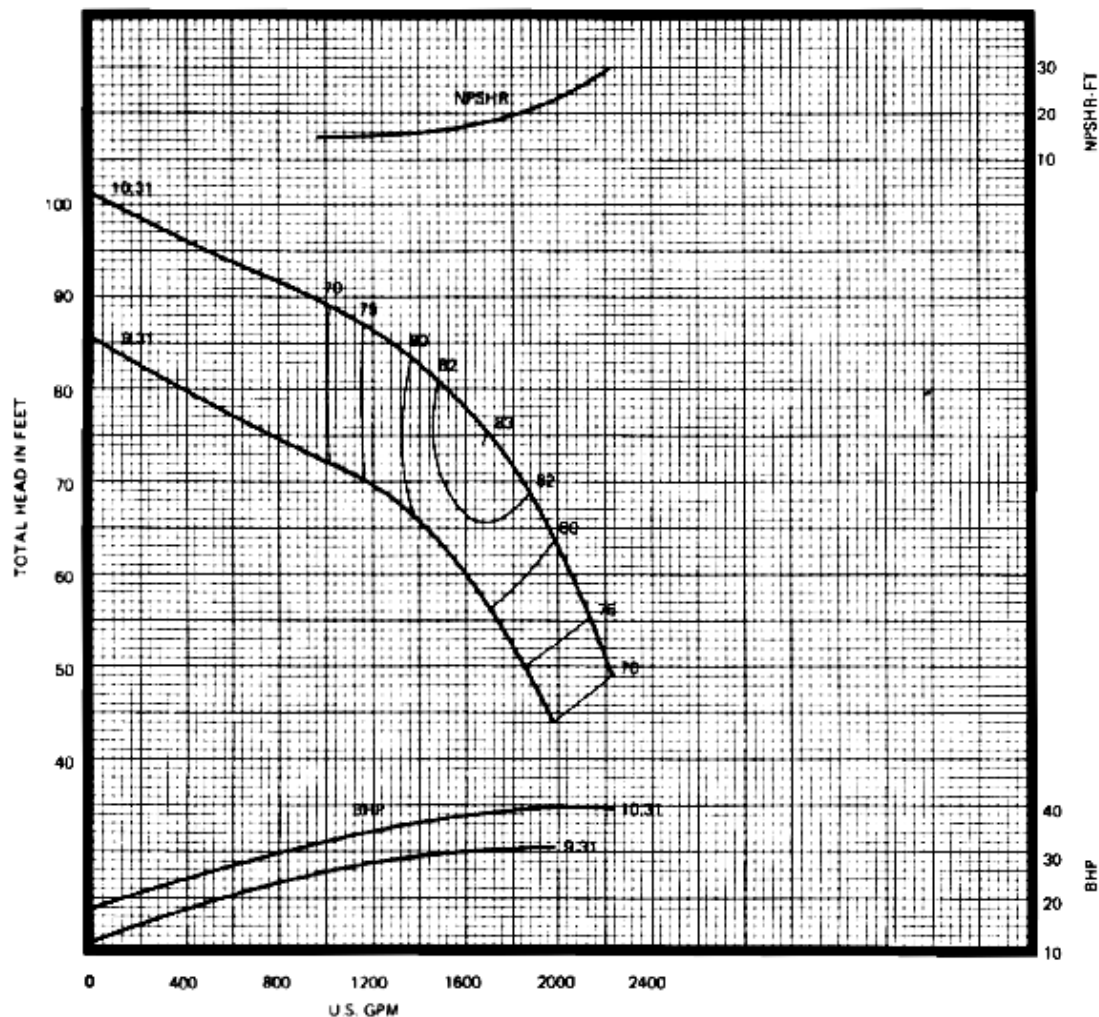


VERTICAL TURBINE PUMPS SINGLE STAGE PERFORMANCE

**14MC
7000
1770
RPM**

IMPELLER
T5FA92



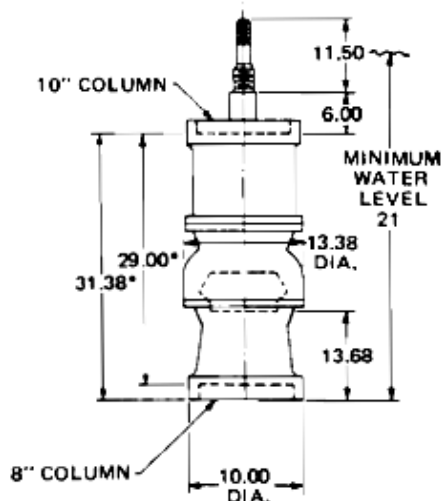
EFFICIENCY CORRECTIONS (1)

NUMBER OF STAGES	EFFICIENCY CHANGE
1	- 4.0 POINTS
2	- 3.0 POINTS
3	- 2.0 POINTS
4	- 1.0 POINTS
5	NO CHANGE
6 OR MORE	NO CHANGE

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

IMPELLER MATERIAL	EFFICIENCY CHANGE
CAST IRON	- 2.0 POINTS
BRONZE	NO CHANGE
ENAMELED C.I.	NO CHANGE

DIMENSIONS (Inches)



TECHNICAL DATA

DATA	VALUE
MAXIMUM OPERATING SPEED	2000 RPM
MAXIMUM NUMBER OF STAGES	16**
PUMP SHAFT DIAMETER	1 1/8 IN.
IMPELLER EYE AREA	28.72 SQ. IN.
MAXIMUM SPHERE SIZE	.68 IN.
K ₁ (THRUST FACTOR)	10.10 LBS./FT.
K ₂ (ROTOR WT. PER STAGE)	23.50 LBS.
BOWL WT. (FIRST STAGE)	420 LBS.
BOWL WT. (EACH ADD'L STAGE)	150 LBS.
ALLOWABLE SHAFT STRETCH	.88 IN.**
WK ² (FIRST STAGE)	3.62 LBS.-FT. ²
WK ² (EACH ADD'L STAGE)	3.54 LBS.-FT. ²
BOWL RING CLEARANCE	.006/.011 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 10.50 for each additional stage.