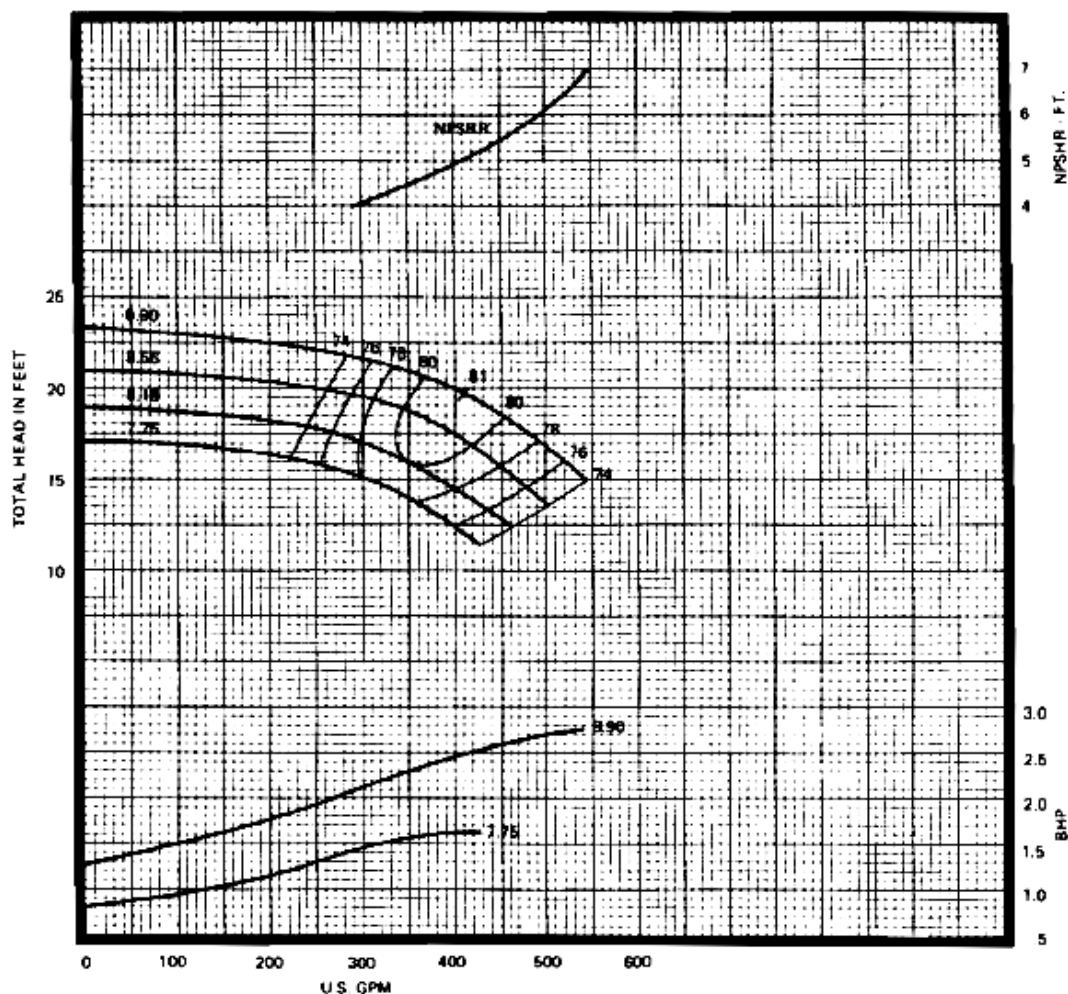


VERTICAL TURBINE PUMPS SINGLE STAGE PERFORMANCE

**12L
7000
880
RPM**

IMPELLER
T7EA100A



EFFICIENCY CORRECTIONS (1)

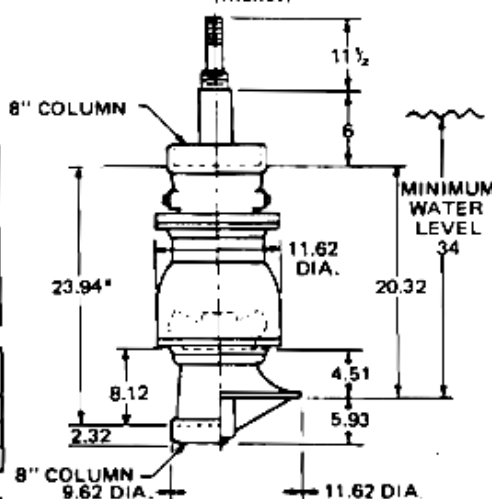
NUMBER OF STAGES	EFFICIENCY CHANGE
1	- 3.0 POINTS
2	- 2.0 POINTS
3	- 1.0 POINTS
4	NO CHANGE
5	NO CHANGE
6 OR MORE	NO CHANGE

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

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

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

DIMENSIONS (Inches)



*Add 9.62 for each additional stage.

TECHNICAL DATA

DATA	VALUE
MAXIMUM OPERATING SPEED	2300 RPM
MAXIMUM NUMBER OF STAGES	20**
PUMP SHAFT DIAMETER	1 1/8 IN.
IMPELLER EYE AREA	16.76 SQ. IN.
MAXIMUM SPHERE SIZE	.69 IN.
K ₁ (THRUST FACTOR)	9.12 LBS./FT.
K ₂ (ROTOR WT. PER STAGE)	26 LBS.
BOWL WT. (FIRST STAGE)	233 LBS.
BOWL WT. (EACH ADD'L. STAGE)	93 LBS.
ALLOWABLE SHAFT STRETCH	.88 IN.**
WK ² (FIRST STAGE)	1.88 LBS. - FT. ²
WK ² (EACH ADD'L. STAGE)	1.82 LBS. - FT. ²
BOWL RING CLEARANCE	.014/.018 IN.

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