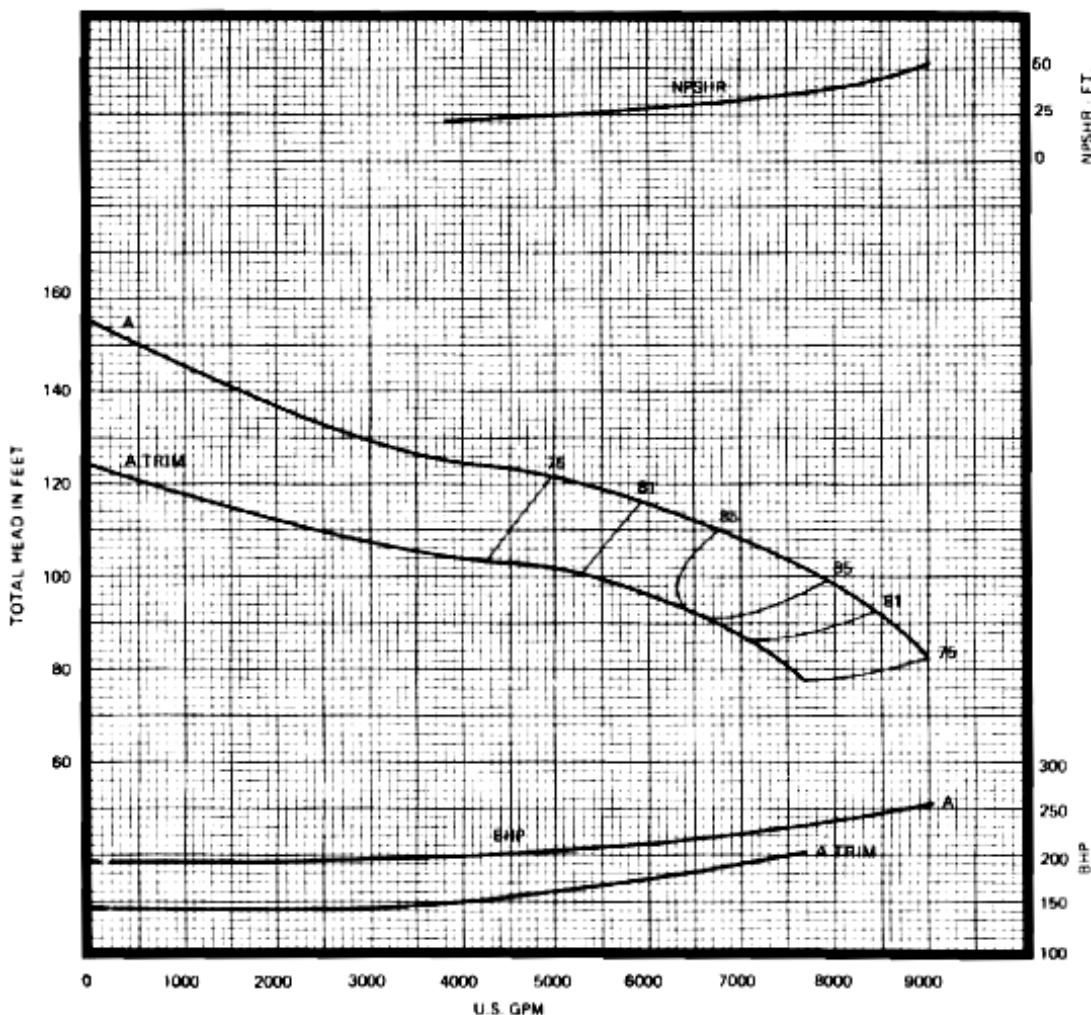


VERTICAL TURBINE PUMPS SINGLE STAGE PERFORMANCE

24MC
6970

1170
RPM

IMPELLER
T6MA92



EFFICIENCY CORRECTIONS (1)

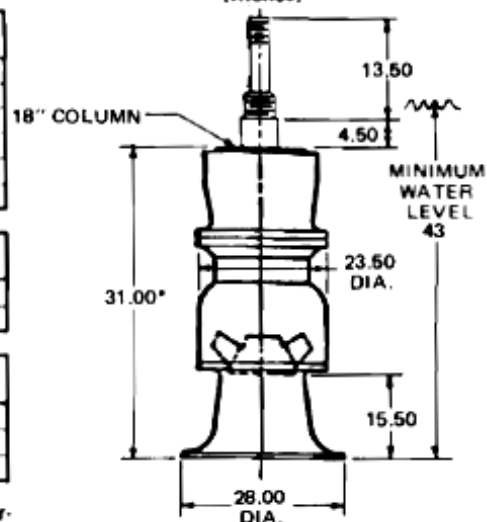
NUMBER OF STAGES	EFFICIENCY CHANGE
1	- 2.0 POINTS
2	- 1.0 POINTS
3	NO CHANGE
4	NO CHANGE
5	NO CHANGE
6 OR MORE	NO CHANGE

BOWL MATERIAL	EFFICIENCY CHANGE
CAST IRON	- 1.0 POINTS
EPOXIED C.I.	NO CHANGE

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

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

DIMENSIONS (Inches)



* Add 15.50 for each additional stage.

TECHNICAL DATA

DATA	VALUE
MAXIMUM OPERATING SPEED	1200 RPM
MAXIMUM NUMBER OF STAGES	8**
PUMP SHAFT DIAMETER	3 1/4 IN.
IMPELLER EYE AREA	107 SQ. IN.
MAXIMUM SPHERE SIZE	1.38 IN.
K ₁ (THRUST FACTOR)	68 LBS./FT.
K ₂ (ROTOR WT. PER STAGE)	108 LBS.
BOWL WT. (FIRST STAGE)	1600 LBS.
BOWL WT. (EACH ADD'L. STAGE)	700 LBS.
ALLOWABLE SHAFT STRETCH	.50 IN.**
WK ² (FIRST STAGE)	56.80 LBS.-FT. ²
WK ² (EACH ADD'L. STAGE)	35.30 LBS.-FT. ²
BOWL RING CLEARANCE	NA

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