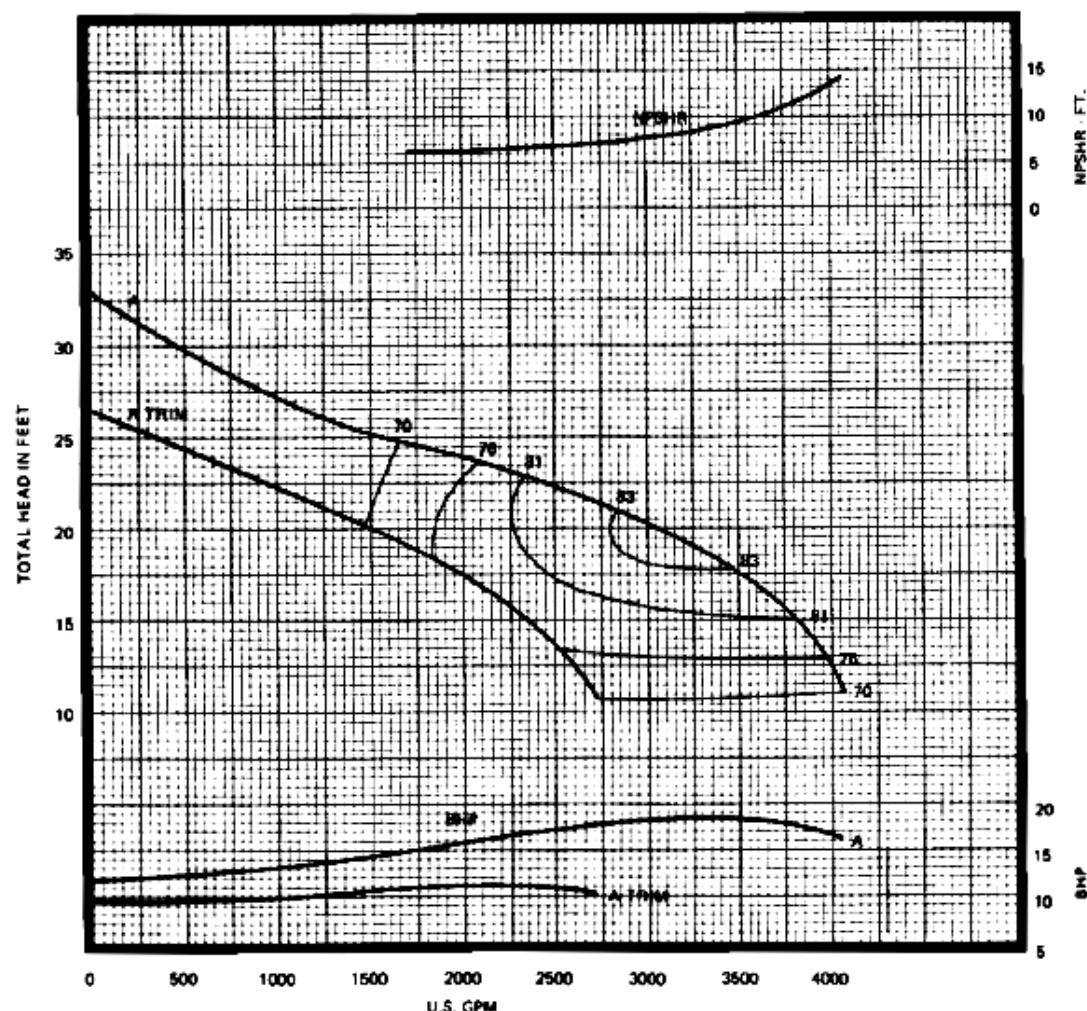


VERTICAL TURBINE PUMPS SINGLE STAGE PERFORMANCE



**24MC
6970**

**580
RPM**

**IMPELLER
T4MA92**

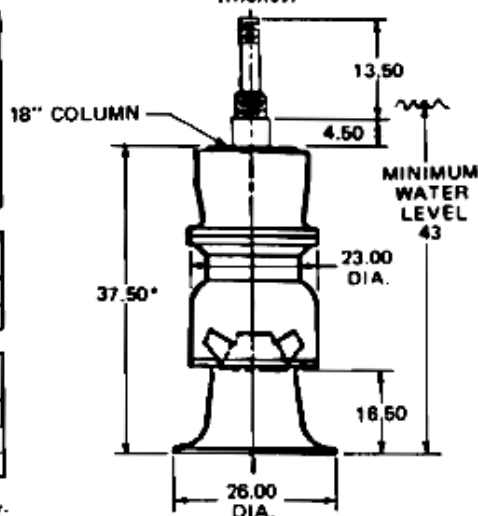
EFFICIENCY CORRECTIONS (1)

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	- 1.0 POINTS
EPOXIED C.I.	NO CHANGE

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

DIMENSIONS (Inches)



*Add 16.50 for each additional stage.

TECHNICAL DATA

DATA	VALUE
MAXIMUM OPERATING SPEED	1200 RPM
MAXIMUM NUMBER OF STAGES	12**
PUMP SHAFT DIAMETER	3 7/16 IN.
IMPELLER EYE AREA	110.9 SQ. IN.
MAXIMUM SPHERE SIZE	1.38 IN.
K ₁ (THRUST FACTOR)	66 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	.44 IN.**
WK ₂ (FIRST STAGE)	49.60 LBS.-FT. ²
WK ₂ (EACH ADD'L STAGE)	31.30 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.

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