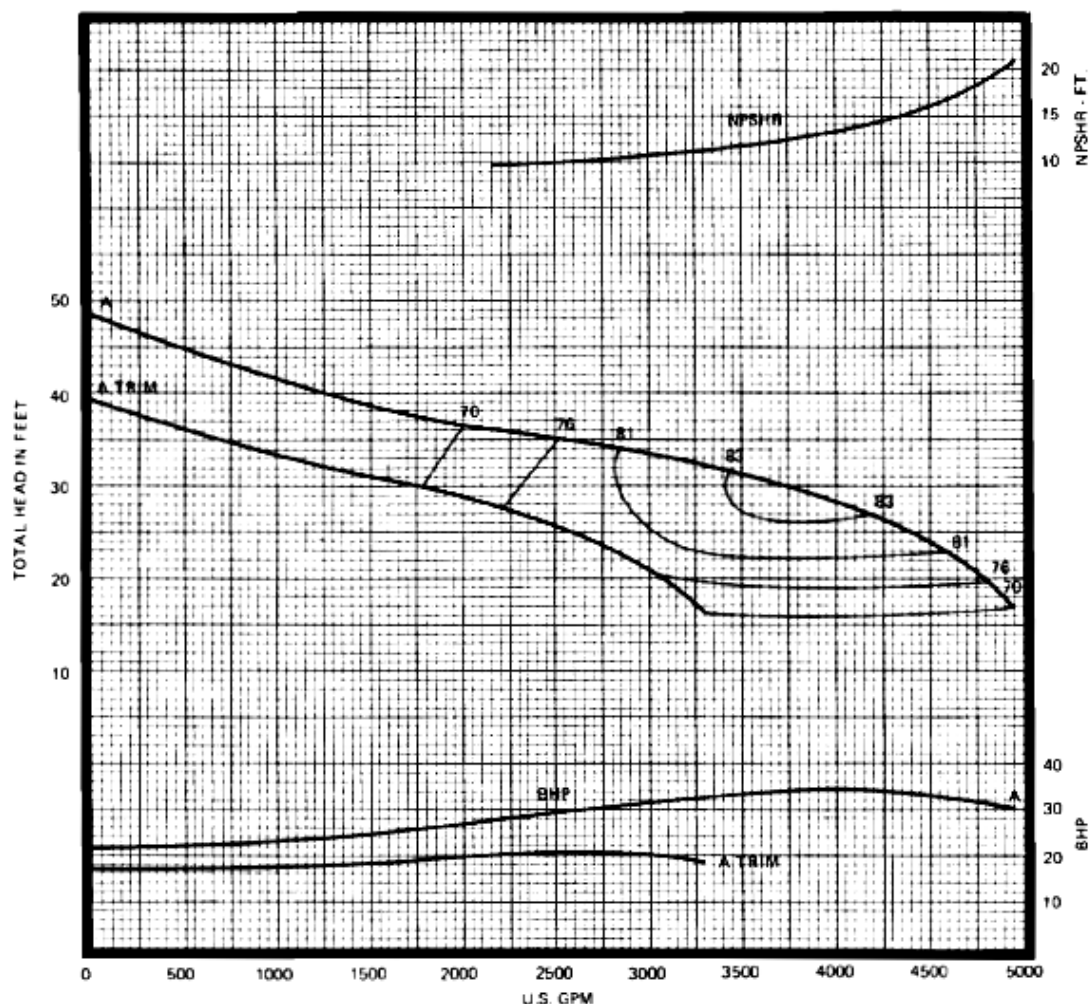


VERTICAL TURBINE PUMPS SINGLE STAGE PERFORMANCE

**24MC
6970**

**705
RPM**

IMPELLER
T4MA92



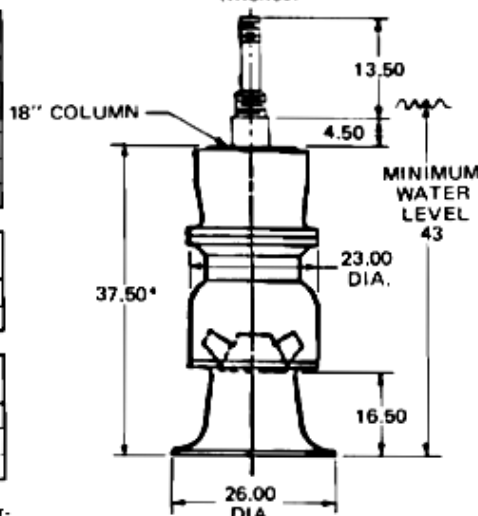
EFFICIENCY CORRECTIONS (1)

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 7/8 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.

FAIRBANKS MORSE PUMPS