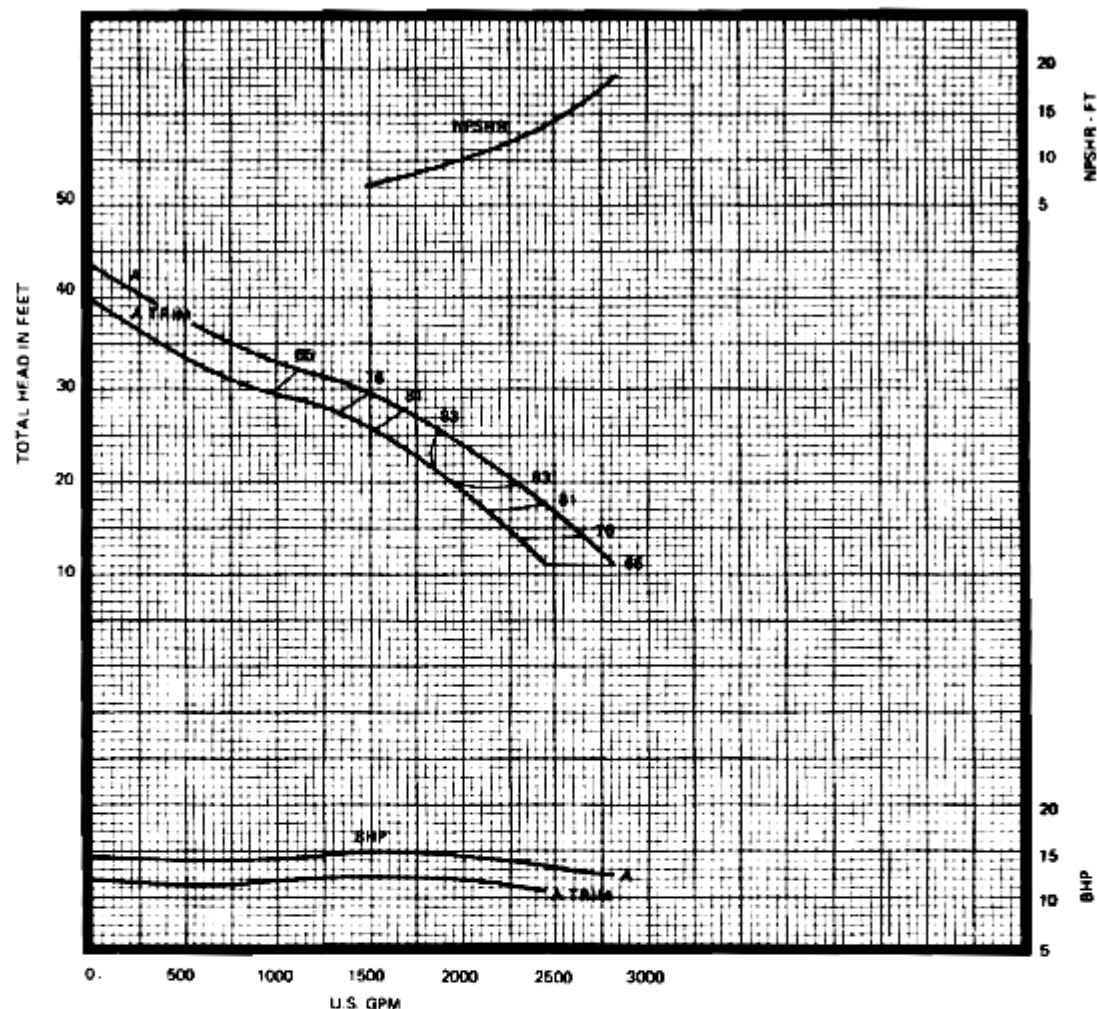


VERTICAL TURBINE PUMPS SINGLE STAGE PERFORMANCE

**18MC
6970**

**880
RPM**

IMPELLER
T3KA92



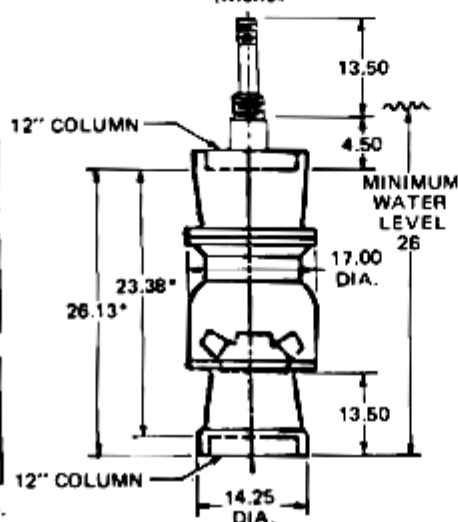
EFFICIENCY CORRECTIONS (1)

NUMBER OF STAGES	EFFICIENCY CHANGE
1	- 4.0 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)



TECHNICAL DATA

DATA	VALUE
MAXIMUM OPERATING SPEED	1200 RPM
MAXIMUM NUMBER OF STAGES	18**
PUMP SHAFT DIAMETER	2 1/2 IN.
IMPELLER EYE AREA	55.6 SQ. IN.
MAXIMUM SPHERE SIZE	1.25 IN.
K ₁ (THRUST FACTOR)	35 LBS./FT.
K ₂ (ROTOR WT. PER STAGE)	46 LBS.
BOWL WT. (FIRST STAGE)	735 LBS.
BOWL WT. (EACH ADD'L. STAGE)	340 LBS.
ALLOWABLE SHAFT STRETCH	44 IN.**
WK ² (FIRST STAGE)	9.60 LBS. - FT. ²
WK ² (EACH ADD'L. STAGE)	5.00 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.

*Add 11.75 for each additional stage.

FAIRBANKS MORSE PUMPS