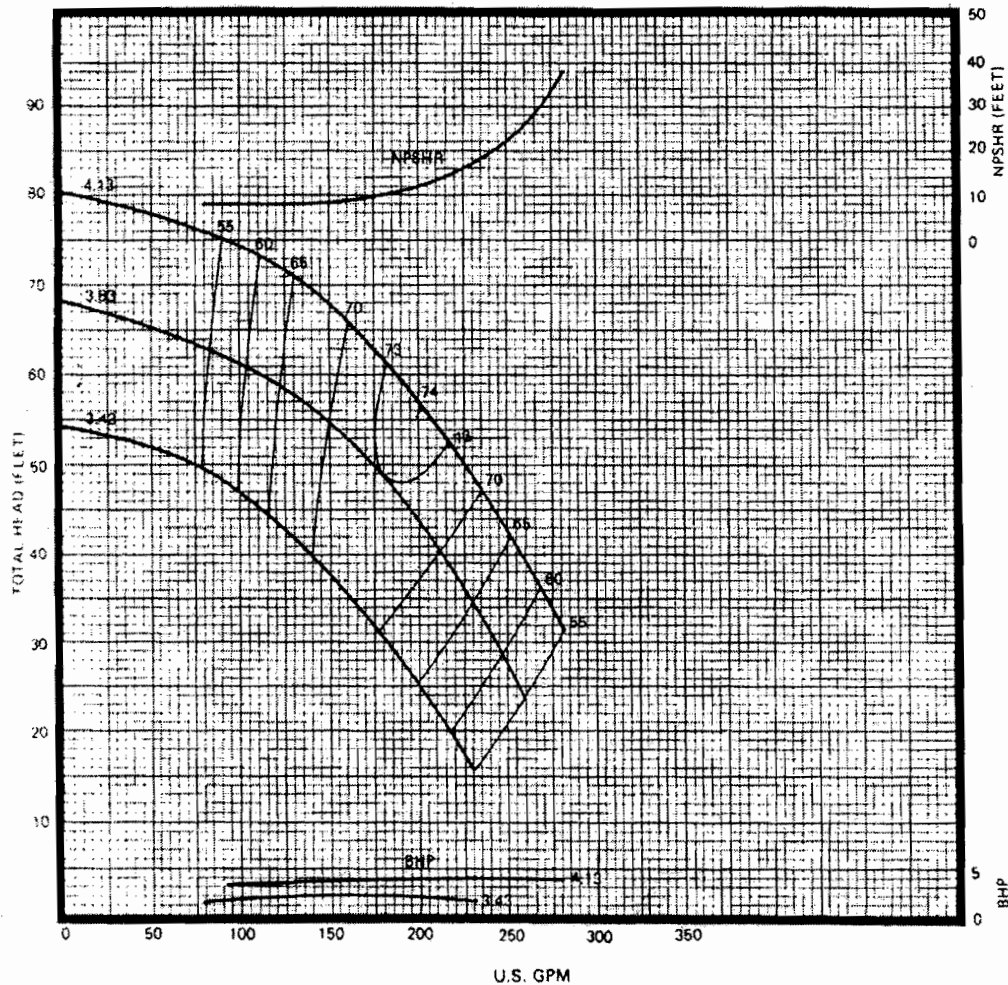


VERTICAL TURBINE PUMPS SINGLE STAGE PERFORMANCE



**6M
7000
3550
RPM**

ENCLOSED
IMPELLER
T7AA92

EFFICIENCY CORRECTIONS⁽¹⁾

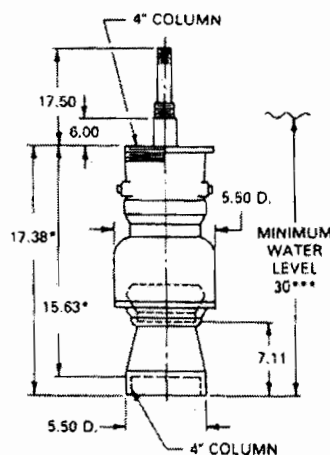
NUMBER OF STAGES	EFFICIENCY CHANGE
1	-7.0 POINTS
2	-3.5 POINTS
3	-2.0 POINTS
4	-1.5 POINTS
5	-1.0 POINTS
6 OR MORE	NO CHANGE

BOWL MATERIAL	EFFICIENCY CHANGE
CAST IRON	-5.0 POINTS
EPOXIED C.I.	NO CHANGE

IMPELLER MATERIAL	EFFICIENCY CHANGE
CAST IRON	-1.0 POINTS
BRONZE	NO CHANGE
EPOXIED C.I.	+2.0 POINTS

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

DIMENSIONS (Inches)



*Add 4.43 for each additional stage.

TECHNICAL DATA

DATA	VALUE
MAXIMUM OPERATING SPEED	3600 RPM
MAXIMUM NUMBER OF STAGES	25**
PUMP SHAFT DIAMETER	1 IN.
IMPELLER EYE AREA	4.10 SQ. IN.
MAXIMUM SPHERE SIZE	.43 IN.
K _t (THRUST FACTOR)	1.74 LBS.-FT.
K _r (ROTOR WT. PER STAGE)	4 LBS.
BOWL WT. (FIRST STAGE)	50 LBS.
BOWL WT. (EACH ADD'L. STAGE)	16 LBS.
ALLOWABLE SHAFT STRETCH	.27 IN.
WK ² (FIRST STAGE)	.05 LBS.-FT. ²
WK ² (EACH ADD'L. STAGE)	.05 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.

*** This value is the minimum submergence required to prevent vortexing only. This value may need to be increased to provide adequate NPSHA.

FAIRBANKS MORSE PUMPS