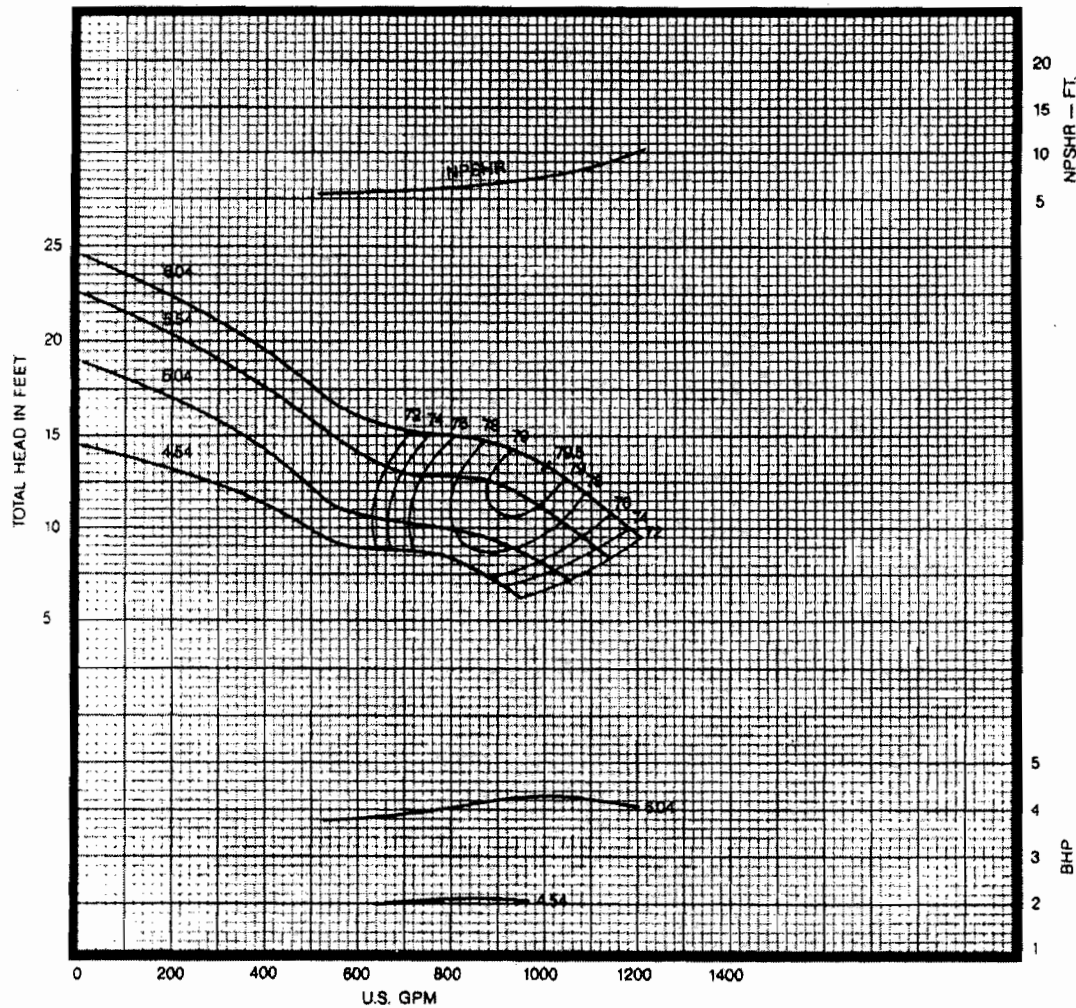


VERTICAL TURBINE PUMPS SINGLE STAGE PERFORMANCE



**10XHH
7000
1180
RPM**

ENCLOSED
IMPELLER
T7DA468A

EFFICIENCY CORRECTIONS⁽¹⁾

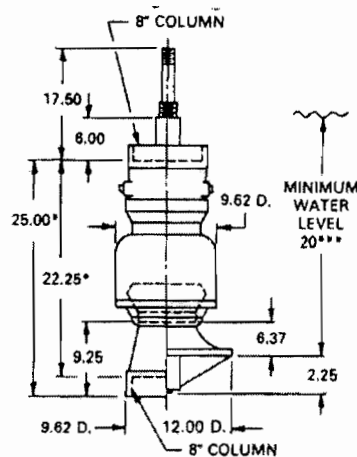
NUMBER OF STAGES	EFFICIENCY CHANGE
1	-3.0 POINTS
2	-2.0 POINTS
3	-1.0 POINTS
4	NO CHANGE
5	NO CHANGE
6	NO CHANGE

BOWL MATERIAL	EFFICIENCY CHANGE
CAST IRON	-2.0 POINTS
ENAMELED C.I.	NO CHANGE

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

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

DIMENSIONS (Inches)



*Add 9.75 for each additional stage.

TECHNICAL DATA

DATA	VALUE
MAXIMUM OPERATING SPEED	1800 RPM
MAXIMUM NUMBER OF STAGES	22**
PUMP SHAFT DIAMETER	1 1/4" DIA
IMPELLER EYE AREA	25.4 SQ. IN
MAXIMUM SPHERE SIZE	1.25 IN.
K _t (THRUST FACTOR)	10 16 LBS./FT.
K _r (ROTOR WT. PER STAGE)	17.6 LBS.
BOWL WT. (FIRST STAGE)	200 LBS.
BOWL WT. (EACH ADD'L. STAGE)	69 LBS.
ALLOWABLE SHAFT STRETCH	.87 IN.**
WK ² (FIRST STAGE)	1.05 LBS.-FT. ²
WK ² (EACH ADD'L. STAGE)	1.03 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