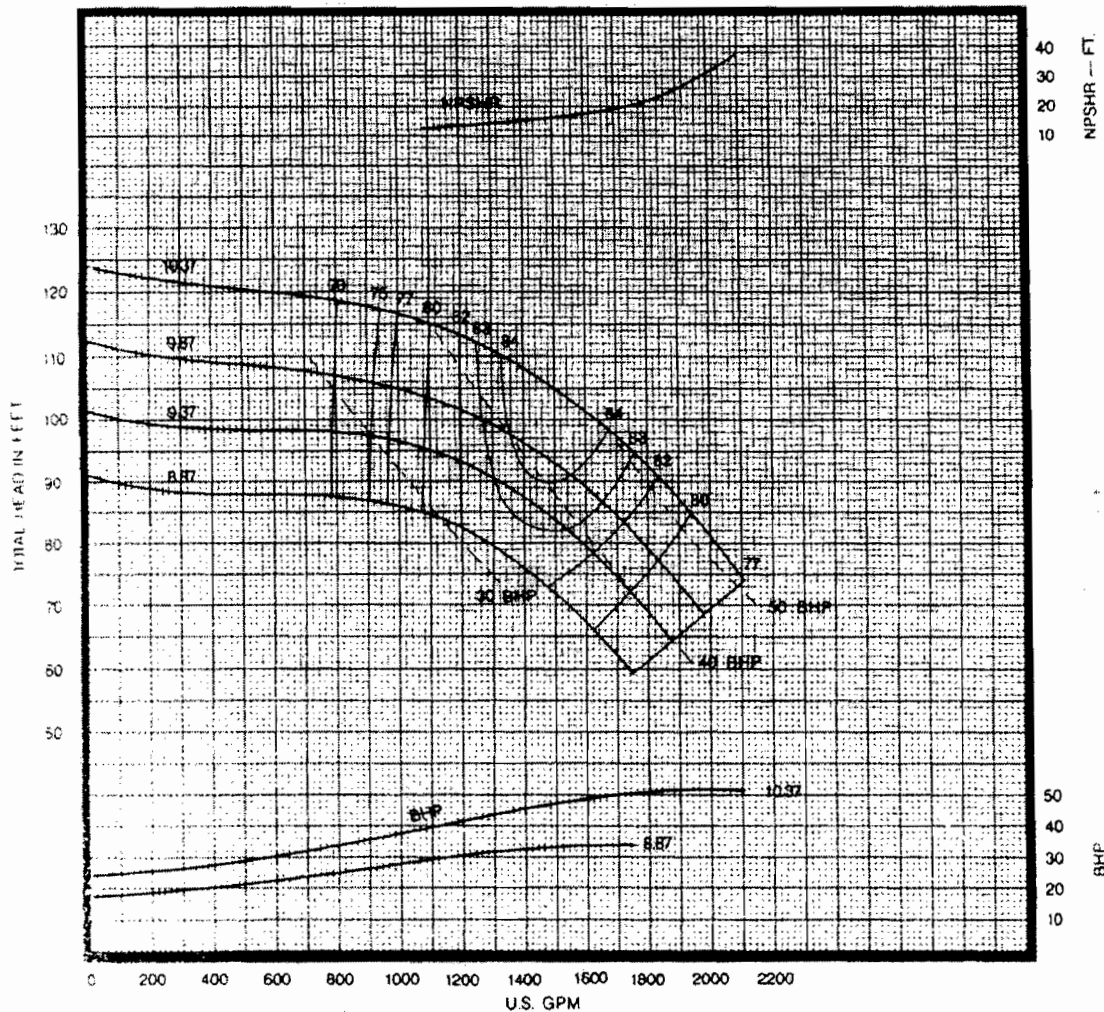


VERTICAL TURBINE PUMPS SINGLE STAGE PERFORMANCE



**14M
7000
1770
RPM**

**ENCLOSED
IMPELLER
T7FA92**

EFFICIENCY CORRECTIONS⁽¹⁾

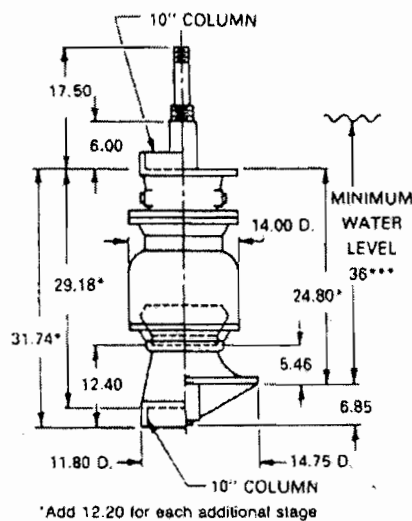
NUMBER OF STAGES	EFFICIENCY CHANGE
1	-2.0 POINTS
2	-1.0 POINTS
3	NO CHANGE
4	NO CHANGE
5	NO CHANGE
6 OR MORE	NO CHANGE

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)



TECHNICAL DATA

DATA	VALUE
MAXIMUM OPERATING SPEED	2000 RPM
MAXIMUM NUMBER OF STAGES	8**
PUMP SHAFT DIAMETER	1.5 IN.
IMPELLER EYE AREA	24.80 SQ. IN.
MAXIMUM SPHERE SIZE	1.00 IN.
K _t (THRUST FACTOR)	8.41 LBS. FT.
K _s (ROTOR WT. PER STAGE)	37.50 LBS.
BOWL WT. (FIRST STAGE)	376 LBS.
BOWL WT. (EACH ADD'L. STAGE)	138 LBS.
ALLOWABLE SHAFT STRETCH	93 IN.**
WK ₁ (FIRST STAGE)	3.55 LBS.-FT.
WK ₂ (EACH ADD'L. STAGE)	3.33 LBS.-FT.
BOWL RING CLEARANCE	0.014-0.018 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