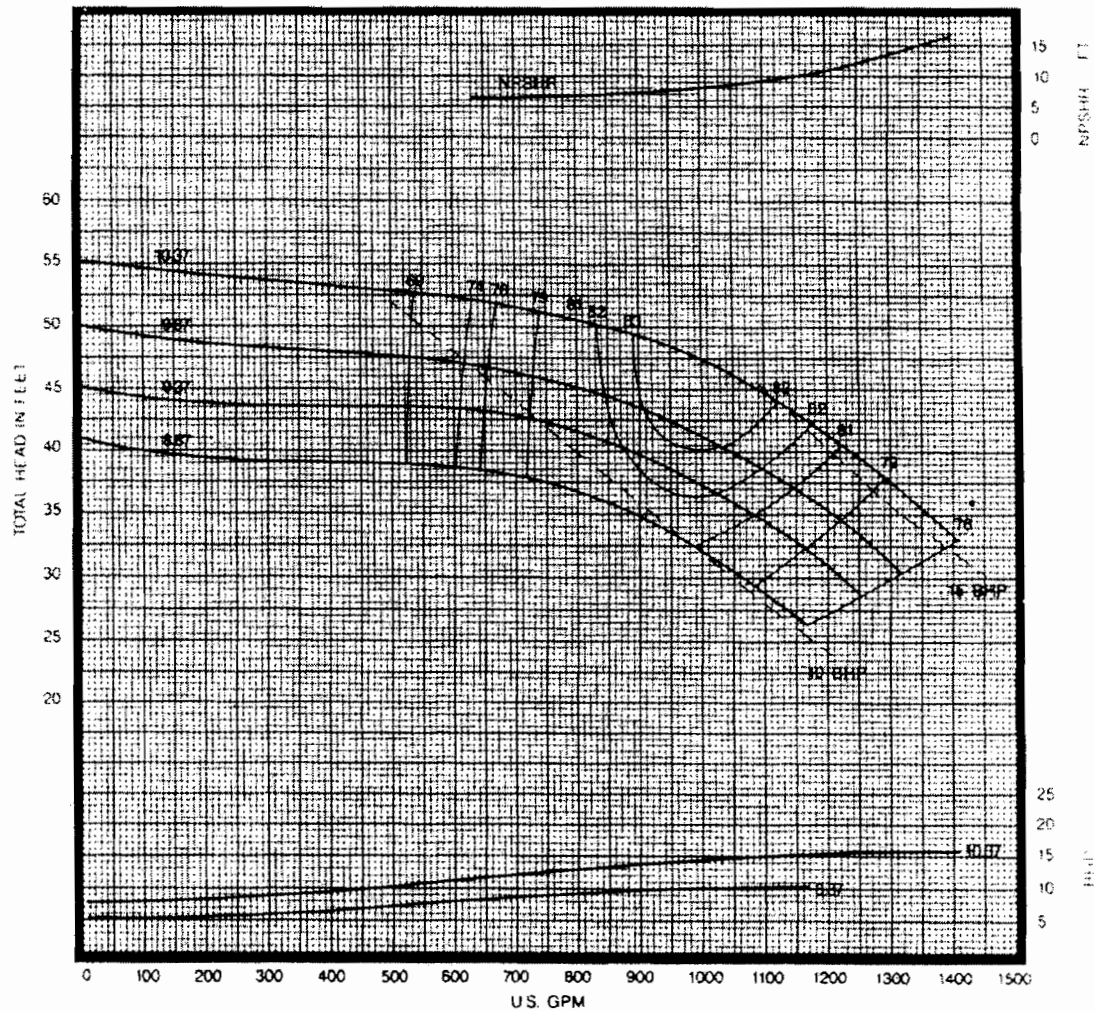


VERTICAL TURBINE PUMPS SINGLE STAGE PERFORMANCE

14M
7000

1180
RPM

ENCLOSED
IMPELLER
T7FA92



EFFICIENCY CORRECTIONS⁽¹⁾

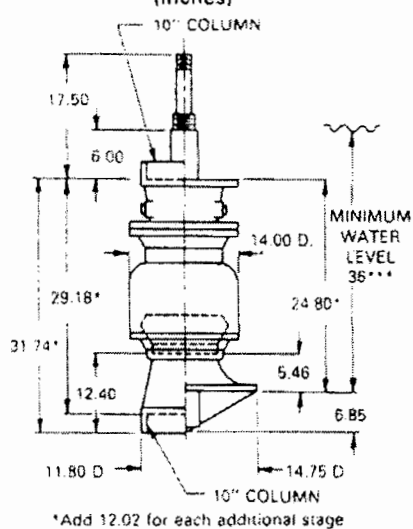
NUMBER OF STAGES	EFFICIENCY CHANGE
1	-2.0 POINTS
2	-1.0 POINTS
3	NO CHANGE
4	NO CHANGE
5	NO CHANGE
6 OR MORE	NO CHANGE

BOWL MATERIAL	EFFICIENCY CHANGE
CAST IRON	-2.0 POINTS
STAINLESS	NO CHANGE

IMPELLER MATERIAL	EFFICIENCY CHANGE
CAST IRON	-1.0 POINTS
BRONZE	NO CHANGE
STAINLESS	NO CHANGE

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

DIMENSIONS (Inches)



*Add 12.02 for each additional stage

TECHNICAL DATA

DATA	VALUE
MAXIMUM OPERATING SPEED	2000 RPM
MAXIMUM NUMBER OF STAGES	10**
PUMP SHAFT DIAMETER	1.315
IMPELLER EYE AREA	24.86 SQ. IN.
MAXIMUM SPHERE SIZE	1.25
K ₁ (THRUST FACTOR)	6.41 LBS./IN.
K ₂ (ROTOR WT. PER STAGE)	37.5 LBS.
BOWL WT. (FIRST STAGE)	37.5 LBS.
BOWL WT. (EACH ADD'L. STAGE)	138 LBS.
ALLOWABLE SHAFT STRETCH	93 IN.
WK ² (FIRST STAGE)	355 LBS.-IN.
WK ² (EACH ADD'L. STAGE)	593 LBS.-IN.
BOWL RING CLEARANCE	0.14 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