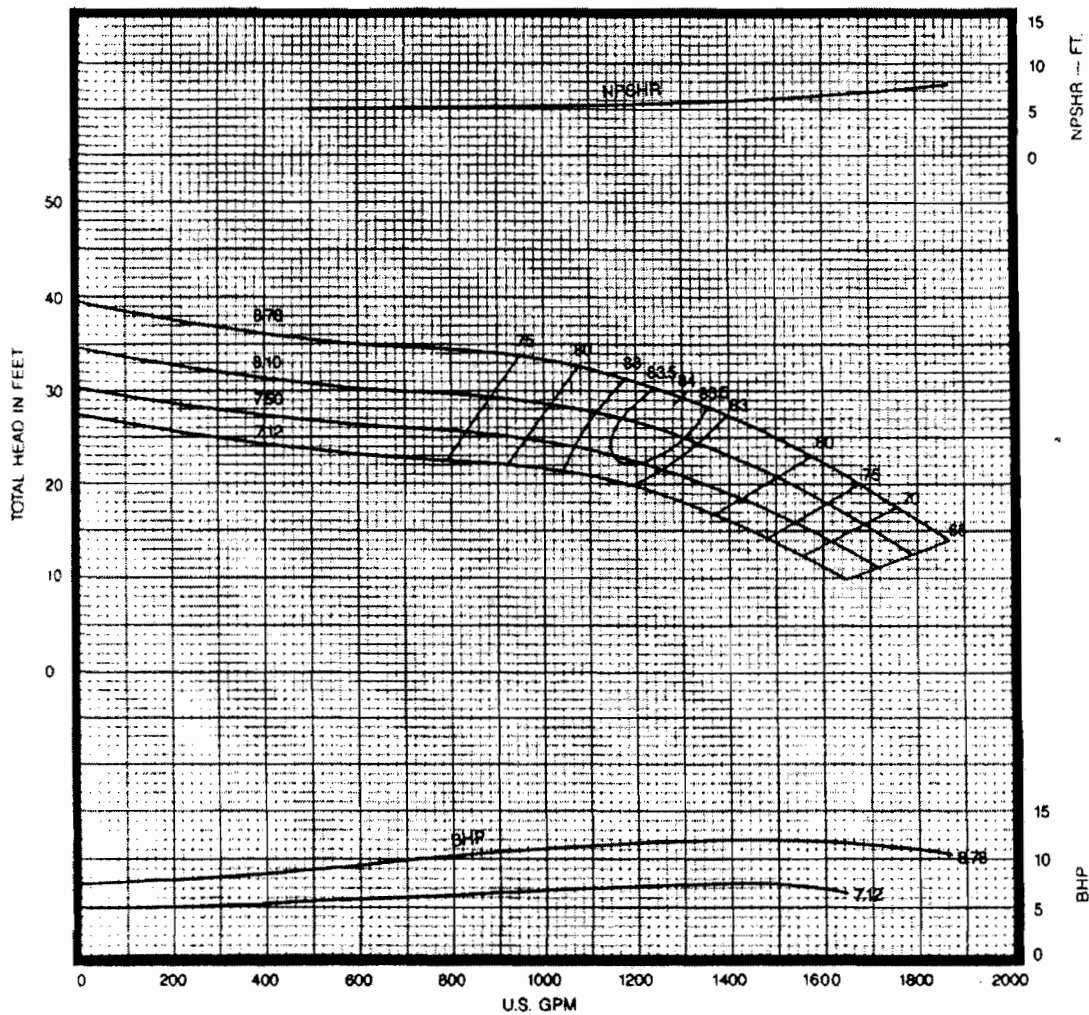


VERTICAL TURBINE PUMPS SINGLE STAGE PERFORMANCE



**13H
7000
1170
RPM**

ENCLOSED
IMPELLER
T7EKA99

EFFICIENCY CORRECTIONS⁽¹⁾

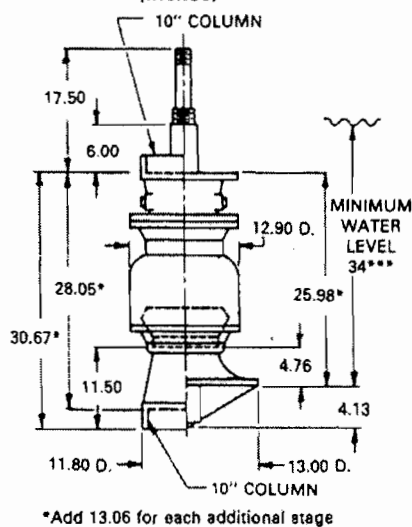
NUMBER OF STAGES	EFFICIENCY CHANGE
1	-3.0 POINTS
2	-2.0 POINTS
3	-1.0 POINTS
4	NO CHANGE
5	NO CHANGE
6 OR MORE	NO CHANGE

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.	+1.0 POINTS

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

DIMENSIONS (Inches)



TECHNICAL DATA

DATA	VALUE
MAXIMUM OPERATING SPEED	2300 RPM
MAXIMUM NUMBER OF STAGES	15**
PUMP SHAFT DIAMETER	1.315 IN.
IMPELLER EYE AREA	28.40 SQ. IN.
MAXIMUM SPHERE SIZE	1.00 IN.
K _t (THRUST FACTOR)	12.02 LBS./FT.
K _r (ROTOR WT. PER STAGE)	43.30 LBS.
BOWL WT. (FIRST STAGE)	327 LBS.
BOWL WT. (EACH ADD'L. STAGE)	157 LBS.
ALLOWABLE SHAFT STRETCH	.80 IN. **
WK ² (FIRST STAGE)	3.11 LBS.-FT. ²
WK ² (EACH ADD'L. STAGE)	3.05 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