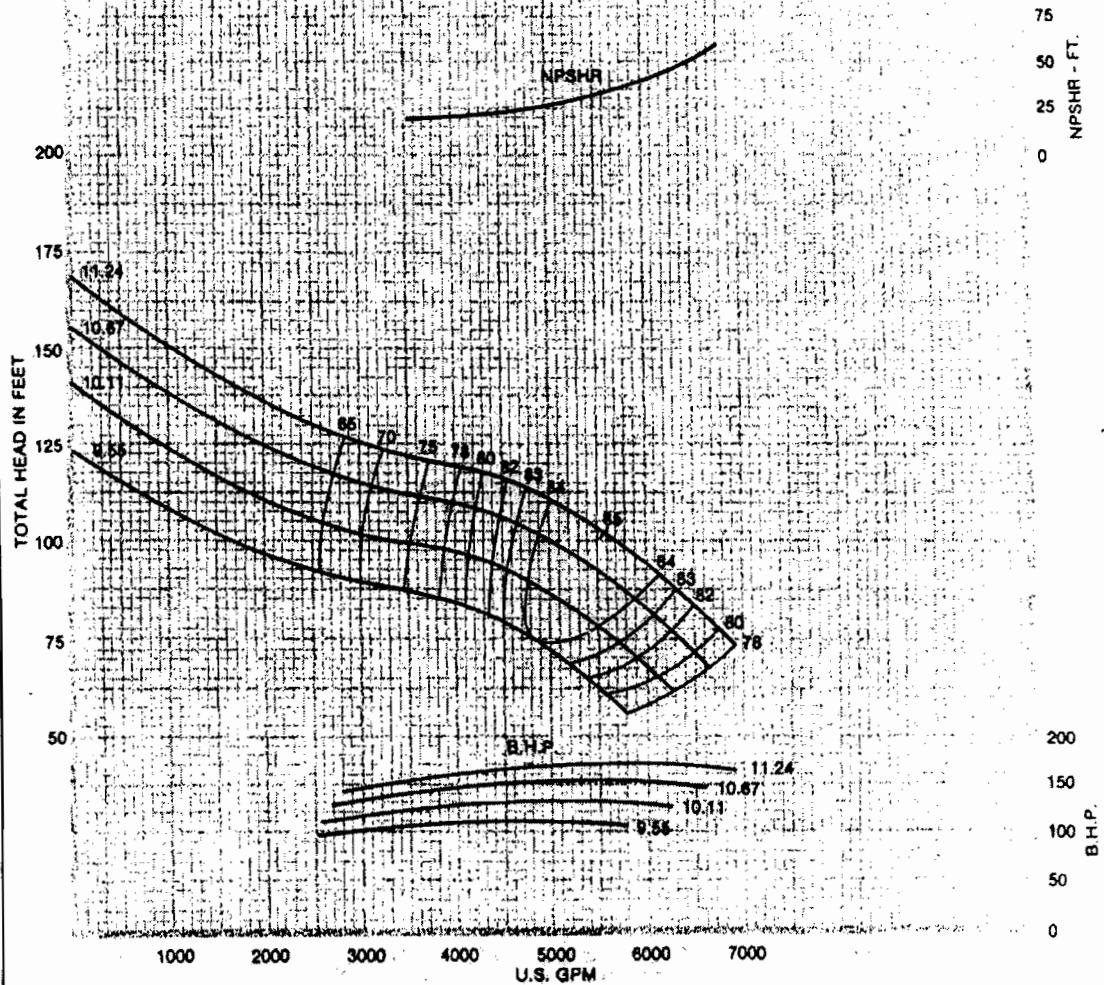


VERTICAL TURBINE PUMPS SINGLE STAGE PERFORMANCE

17H
7000

1770
RPM

ENCLOSED
IMPELLER
T7HKA99



EFFICIENCY CORRECTIONS⁽¹⁾

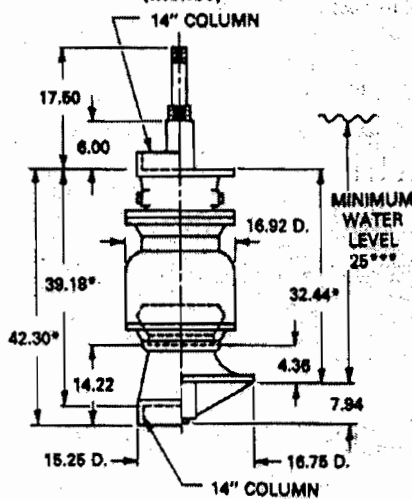
NUMBER OF STAGES	EFFICIENCY CHANGE
1	-2.0 POINTS
2	-1.0 POINTS
3	NO CHANGE
4	NO CHANGE
5	NO CHANGE
6	NO CHANGE

BOWL MATERIAL	EFFICIENCY CHANGE
CAST IRON	-1.0 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	1800 RPM
MAXIMUM NUMBER OF STAGES	6**
IMPELLER SHAFT DIAMETER	2 3/8 IN.
IMPELLER EYE AREA	50.47 SQ. IN.
MAXIMUM SPHERE SIZE	1.48 IN.
K _t (THRUST FACTOR)	18.54 LBS./FT.
K _r (ROTOR WT. PER STAGE)	70.1 LBS.
BOWL WT. (FIRST STAGE)	684 LBS.
BOWL WT. (EACH ADD'L. STAGE)	274 LBS.
ALLOWABLE SHAFT STRETCH	.81 IN. **
WK ² (FIRST STAGE)	7.62 LBS.-FT. ²
WK ² (EACH ADD'L. STAGE)	7.44 LBS.-FT. ²
BOWL RING CLEARANCE	.022/.028 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