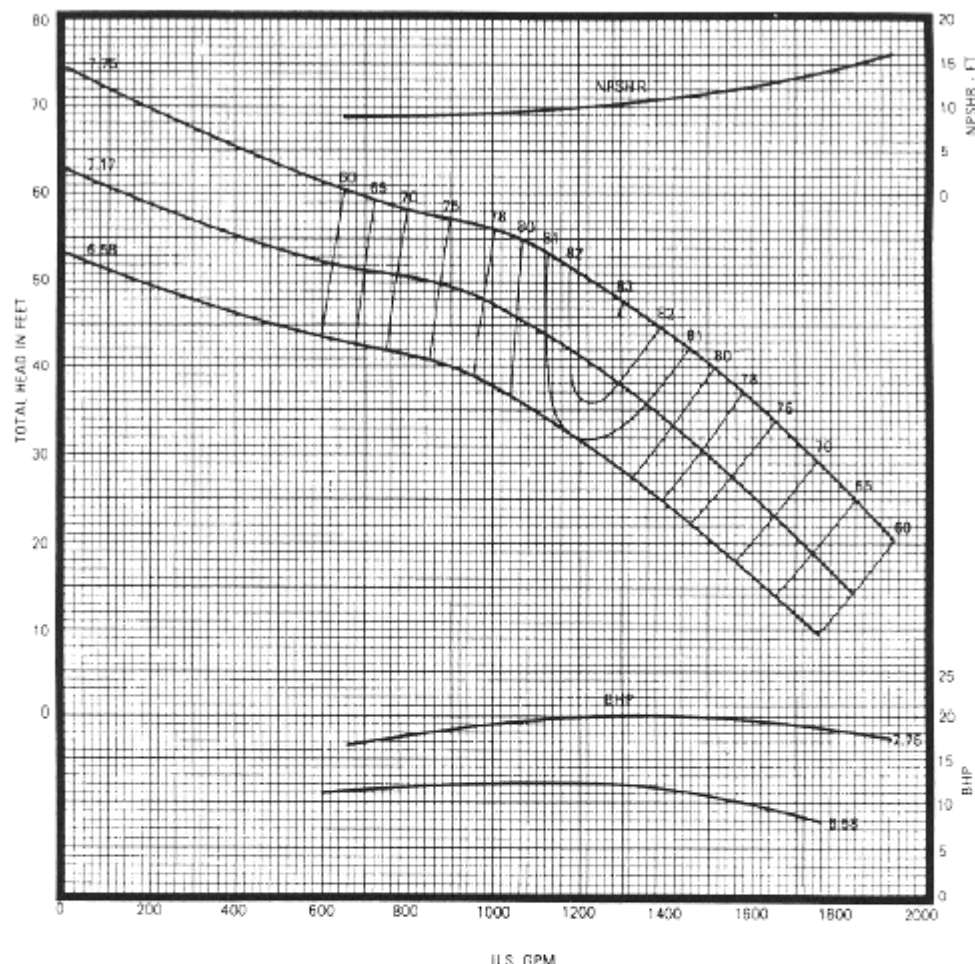


VERTICAL TURBINE PUMPS SINGLE STAGE PERFORMANCE

11H
7000

1770
RPM

ENCLOSED
IMPELLER
T7DKA99



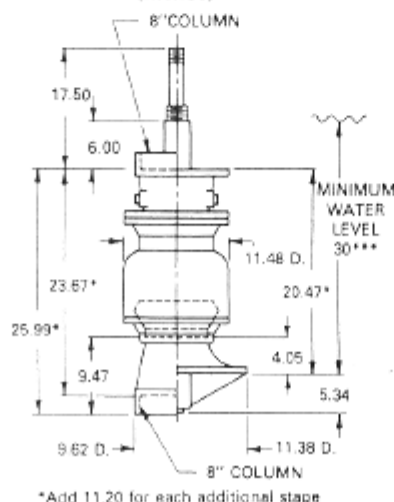
EFFICIENCY CORRECTIONS⁽¹⁾

NUMBER OF STAGES	EFFICIENCY CHANGE
1	-2.5 POINTS
2	-1.5 POINTS
3	-0.5 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

DIMENSIONS (Inches)



TECHNICAL DATA

DATA	VALUE
MAXIMUM OPERATING SPEED	2700 RPM
MAXIMUM NUMBER OF STAGES	10**
PUMP SHAFT DIAMETER	1 1/4 IN.
IMPELLER EYE AREA	22.40 SQ. IN.
MAXIMUM SPHERE SIZE	88 IN.
K _t (THRUST FACTOR)	8.71 LBS./FT.
K _r (ROTOR WT. PER STAGE)	33 LBS.
BOWL WT. (FIRST STAGE)	236 LBS.
BOWL WT. (EACH ADD'L. STAGE)	115 LBS.
ALLOWABLE SHAFT STRETCH	80 IN.**
WK ² (FIRST STAGE)	1.90 LBS.-FT. ²
WK ² (EACH ADD'L. STAGE)	1.87 LBS.-FT. ²
BOWL RING CLEARANCE	0.14/0.18 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.

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