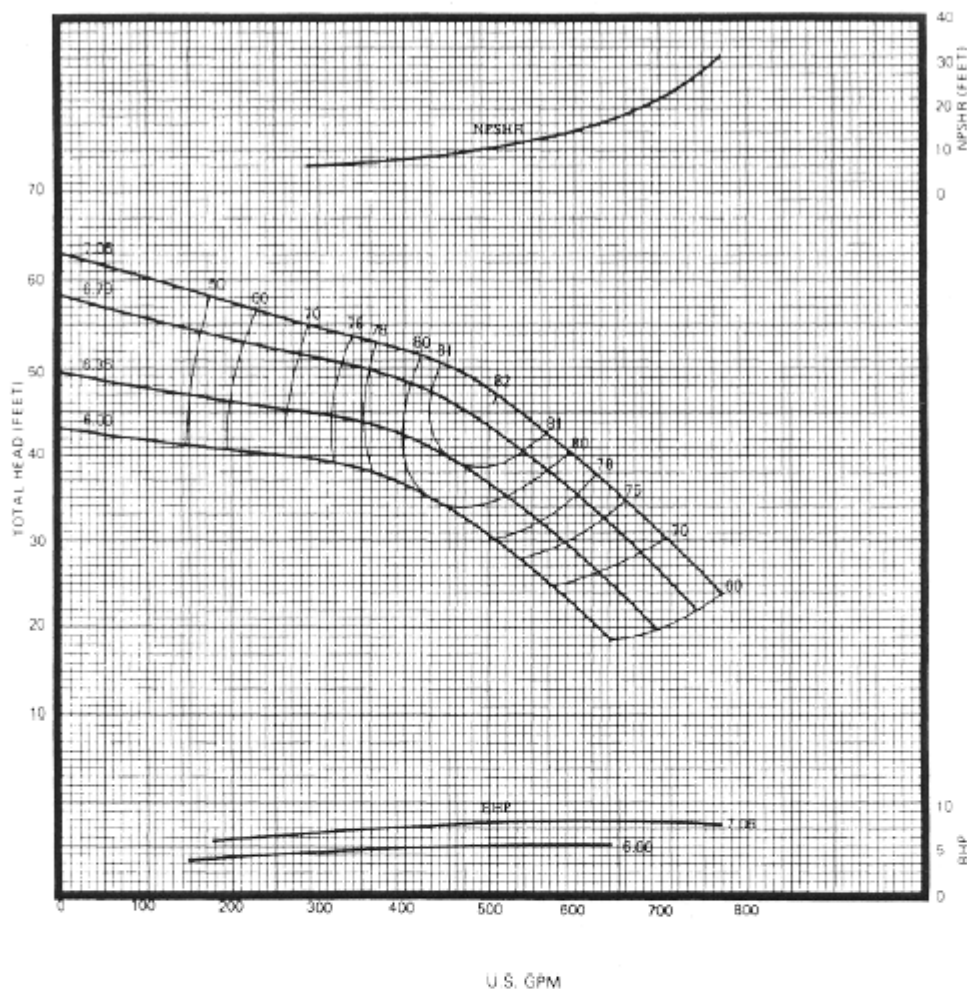


VERTICAL TURBINE PUMPS SINGLE STAGE PERFORMANCE

10M
7000

1770
RPM

ENCLOSED
IMPELLER
T7DA92



EFFICIENCY CORRECTIONS⁽¹⁾

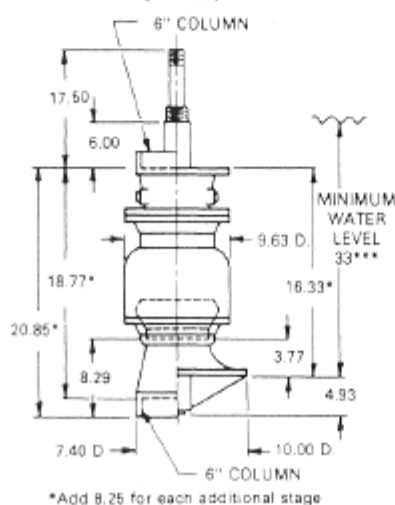
NUMBER OF STAGES	EFFICIENCY CHANGE
1	-3.0 POINTS
2	-2.0 POINTS
3	-1.0 POINTS
4	NO CHANGE
5	NO CHANGE
6 OR MORE	NO CHANGE

BOWL MATERIAL	EFFICIENCY CHANGE
CAST IRON	-2.5 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	3000 RPM
MAXIMUM NUMBER OF STAGES	18**
PUMP SHAFT DIAMETER	1 1/4 IN.
IMPELLER EYE AREA	11.19 SQ. IN.
MAXIMUM SPHERE SIZE	68 IN.
K _t (THRUST FACTOR)	3.80 LBS./FT.
K _r (ROTOR WT. PER STAGE)	15.75 LBS.
BOWL WT. (FIRST STAGE)	180 LBS.
BOWL WT. (EACH ADD'L. STAGE)	49 LBS.
ALLOWABLE SHAFT STRETCH	63 IN. **
WK ² (FIRST STAGE)	52 LBS.-FT. ²
WK ² (EACH ADD'L. STAGE)	50 LBS.-FT. ²
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.