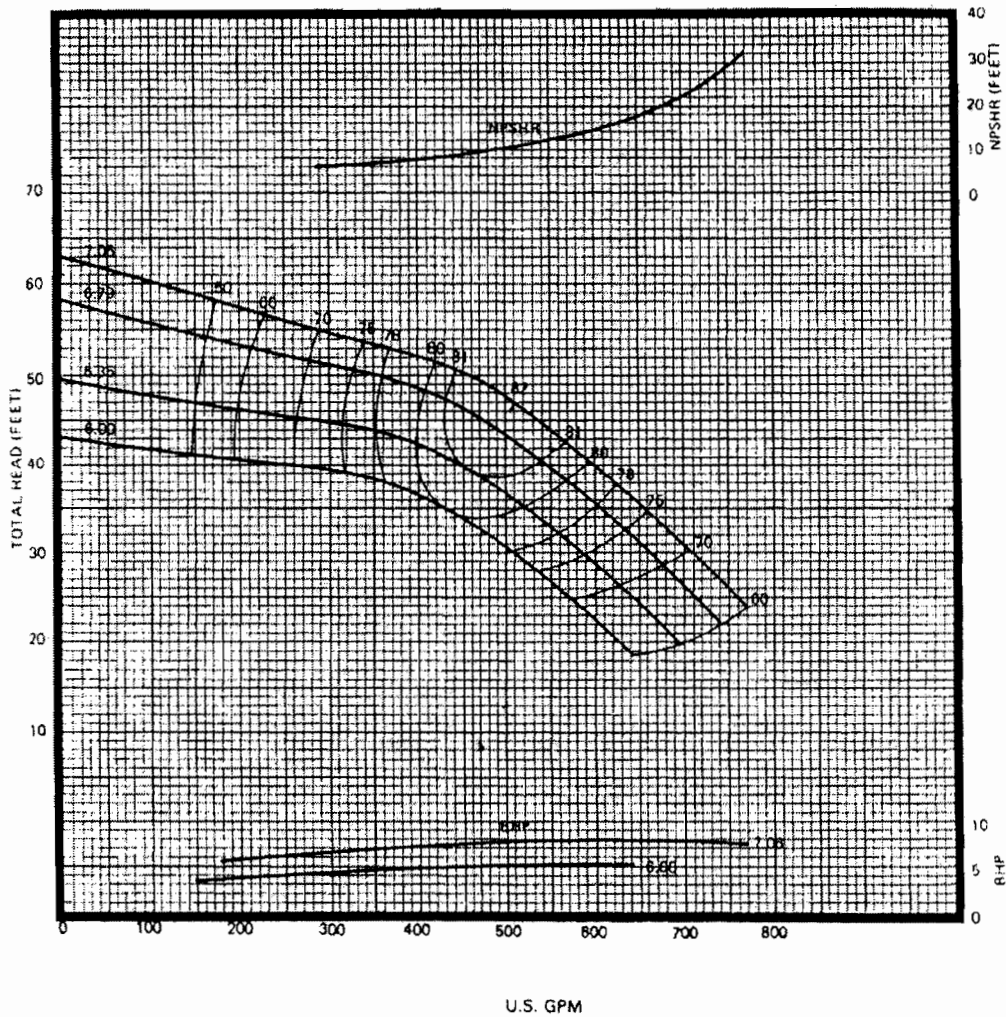


VERTICAL TURBINE PUMPS SINGLE STAGE PERFORMANCE

10M
7000

1770
RPM

ENCLOSED
IMPELLER
T7DA92



EFFICIENCY CORRECTIONS⁽¹⁾

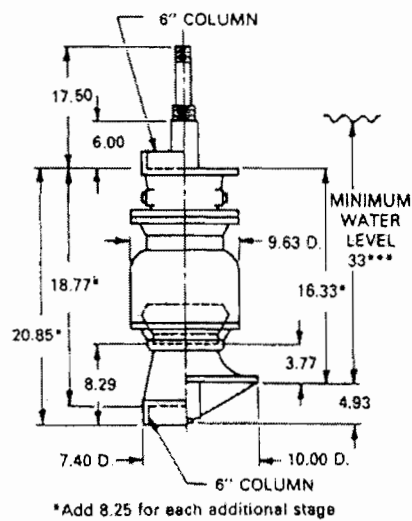
NUMBER OF STAGES	EFFICIENCY CHANGE
1	-3.0 POINTS
2	-2.0 POINTS
3	-1.0 POINTS
4	NO CHANGE
5	NO CHANGE
6 OR MORE	NO CHANGE

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)



*Add 8.25 for each additional stage

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	.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.