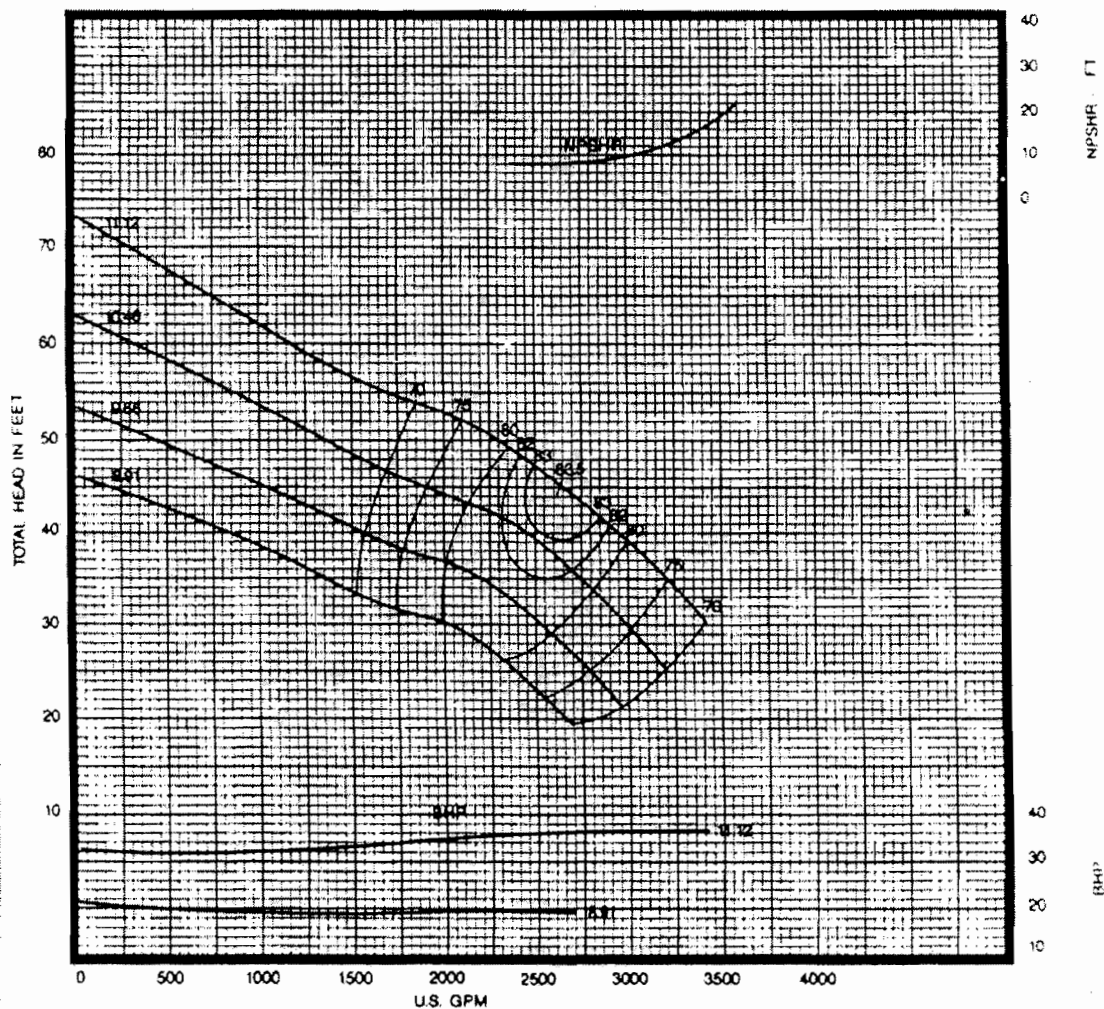


VERTICAL TURBINE PUMPS SINGLE STAGE PERFORMANCE

17M
7000

1170
RPM

ENCLOSED
IMPELLER
77HKA92



EFFICIENCY CORRECTIONS⁽¹⁾

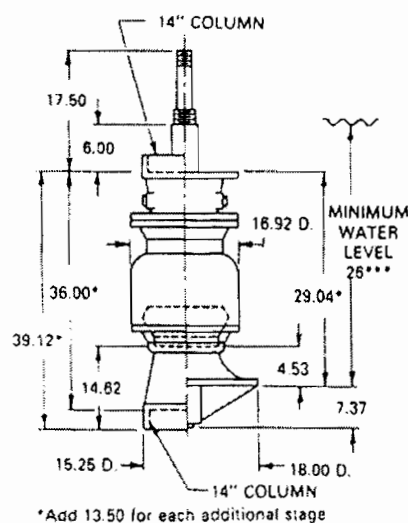
NUMBER OF STAGES	EFFICIENCY CHANGE
1	-2.0 POINTS
2	-1.0 POINTS
3	NO CHANGE
4	NO CHANGE
5	NO CHANGE
6 OR MORE	NO CHANGE

BOWL MATERIAL	EFFICIENCY CHANGE
CAST IRON	-1.0 POINTS
EPROXED C.	NO CHANGE

IMPELLER MATERIAL	EFFICIENCY CHANGE
CAST IRON	-1.0 POINTS
BRONZE	NO CHANGE
POKED C.	NO CHANGE

Refer to "Application and Reference Data" for head correction

DIMENSIONS (Inches)



*Add 13.50 for each additional stage

TECHNICAL DATA

DATA	VALUE
MAXIMUM OPERATING SPEED	1800 RPM
MAXIMUM NUMBER OF STAGES	7**
PUMP SHAFT DIAMETER	2 1/4 IN.
IMPELLER EYE AREA	56.95 SQ. IN.
MAXIMUM SPHERE SIZE	1.38 IN.
K _t (THRUST FACTOR)	21.08 LBS. FT.
K _r (ROTOR WT. PER STAGE)	65 LBS.
BOWL WT. (FIRST STAGE)	500 LBS.
BOWL WT. (EACH ADD'L. STAGE)	250 LBS.
ALLOWABLE SHAFT STRETCH	88 IN.**
WK _t (FIRST STAGE)	7.50 LBS. FT.
WK _t (EACH ADD'L. STAGE)	7.40 LBS. FT.
BOWL RING CLEARANCE	.022-.026 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