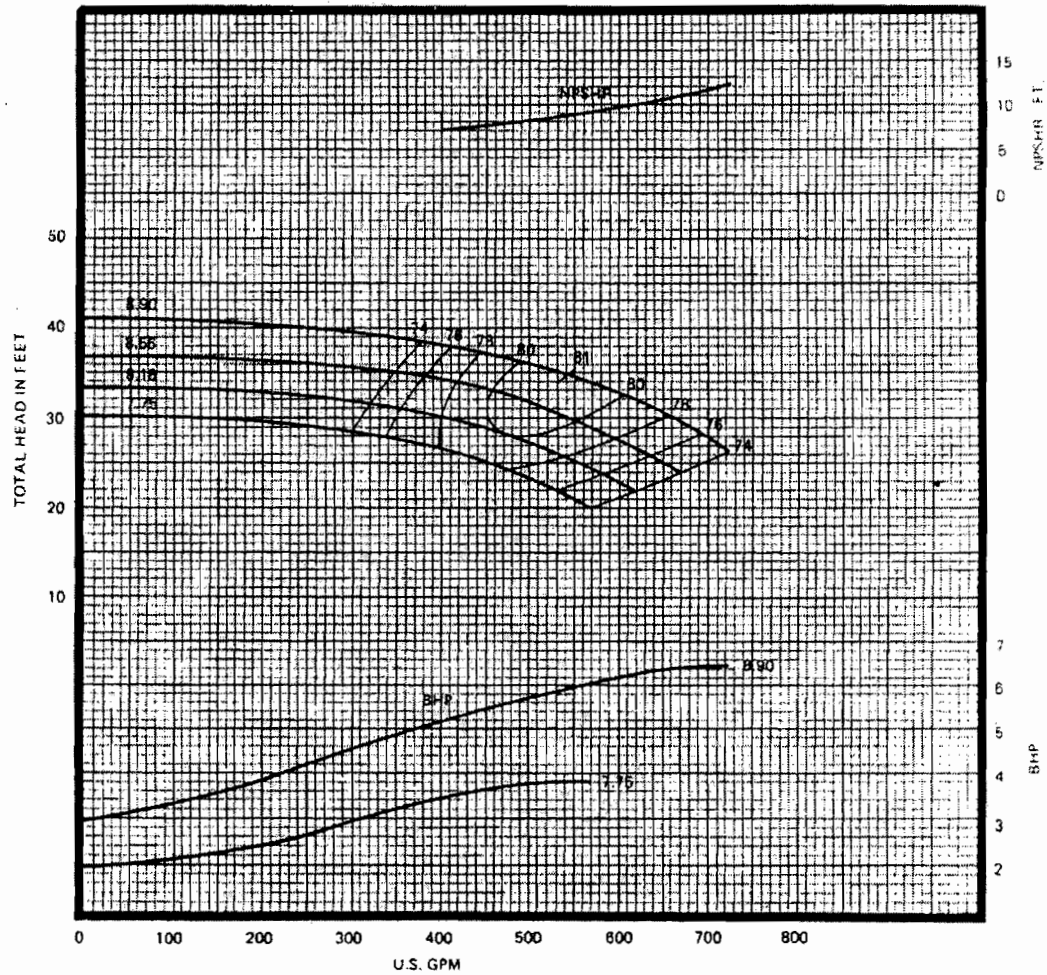


VERTICAL TURBINE PUMPS SINGLE STAGE PERFORMANCE

12L
7000

1170
RPM

ENCLOSED
IMPELLER
T7EA100A



EFFICIENCY CORRECTIONS₍₁₎

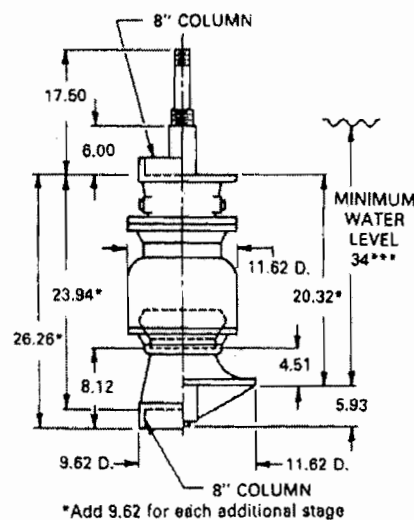
NUMBER OF STAGES	EFFICIENCY CHANGE
1	-3.0 POINTS
2	-2.0 POINTS
3	-1.0 POINTS
4	NO CHANGE
5	NO CHANGE
6 OR MORE	NO CHANGE

BOWL MATERIAL	EFFICIENCY CHANGE
CAST IRON	-2.0 POINTS
EPOXIED C.I.	NO CHANGE

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

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

DIMENSIONS (Inches)



TECHNICAL DATA

DATA	VALUE
MAXIMUM OPERATING SPEED	2300 RPM
MAXIMUM NUMBER OF STAGES	20**
PUMP SHAFT DIAMETER	1 1/8 IN.
IMPELLER EYE AREA	16.76 SQ. IN.
MAXIMUM SPHERE SIZE	69 IN.
K _t (THRUST FACTOR)	6.06 LBS.-FT.
K _r (ROTOR WT. PER STAGE)	26 LBS.
BOWL WT. (FIRST STAGE)	233 LBS.
BOWL WT. (EACH ADD'L. STAGE)	93 LBS.
ALLOWABLE SHAFT STRETCH	1.07 IN.**
WK ¹ (FIRST STAGE)	1.88 LBS.-FT.
WK ² (EACH ADD'L. STAGE)	1.82 LBS.-FT.
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.