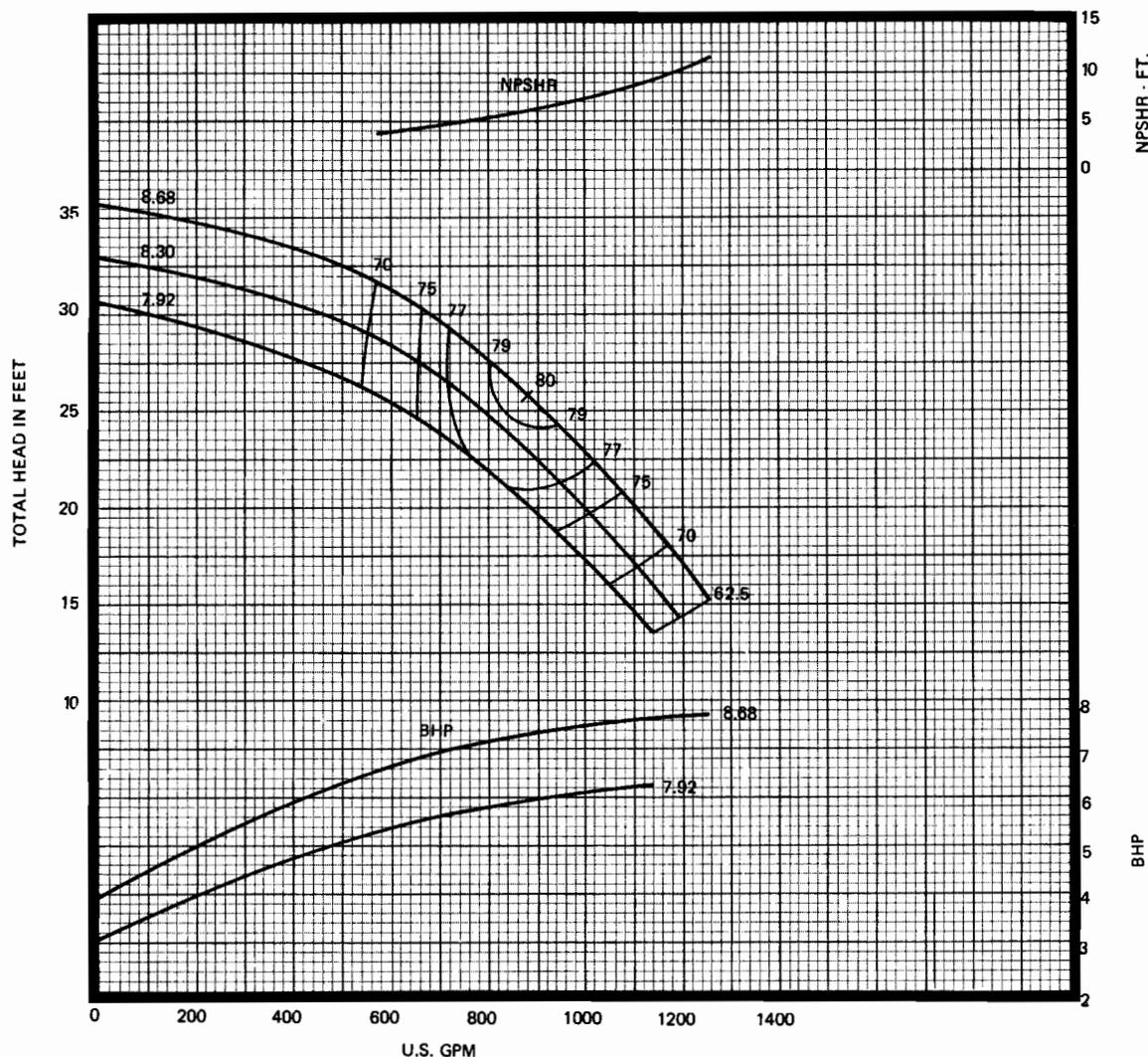


VERTICAL TURBINE PUMPS SINGLE STAGE PERFORMANCE



12H
7000
1170
RPM

IMPELLER
T5EB99X

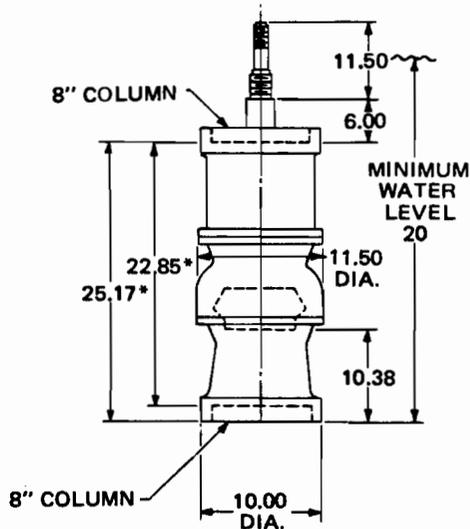
EFFICIENCY CORRECTIONS (1)

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	- 1.0 POINTS
EPOXIED C.I.	NO CHANGE

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

DIMENSIONS (Inches)



TECHNICAL DATA

DATA	VALUE
MAXIMUM OPERATING SPEED	2250 RPM
MAXIMUM NUMBER OF STAGES	21**
PUMP SHAFT DIAMETER	1 1/16 IN.
IMPELLER EYE AREA	26.63 SQ. IN.
MAXIMUM SPHERE SIZE	.68 IN.
K _t (THRUST FACTOR)	9 LBS./FT.
K _a (ROTOR WT. PER STAGE)	16.1 LBS.
BOWL WT. (FIRST STAGE)	310 LBS.
BOWL WT. (EACH ADD'L. STAGE)	130 LBS.
ALLOWABLE SHAFT STRETCH	.88 IN.**
WK ² (FIRST STAGE)	1.77 LBS.-FT. ²
WK ² (EACH ADD'L. STAGE)	1.75 LBS.-FT. ²
BOWL RING CLEARANCE	.009/.014 IN.

**These are nominal values. Refer to "Application and Reference Data" for information further limiting or extending these values.

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

*Add 9.75 for each additional stage