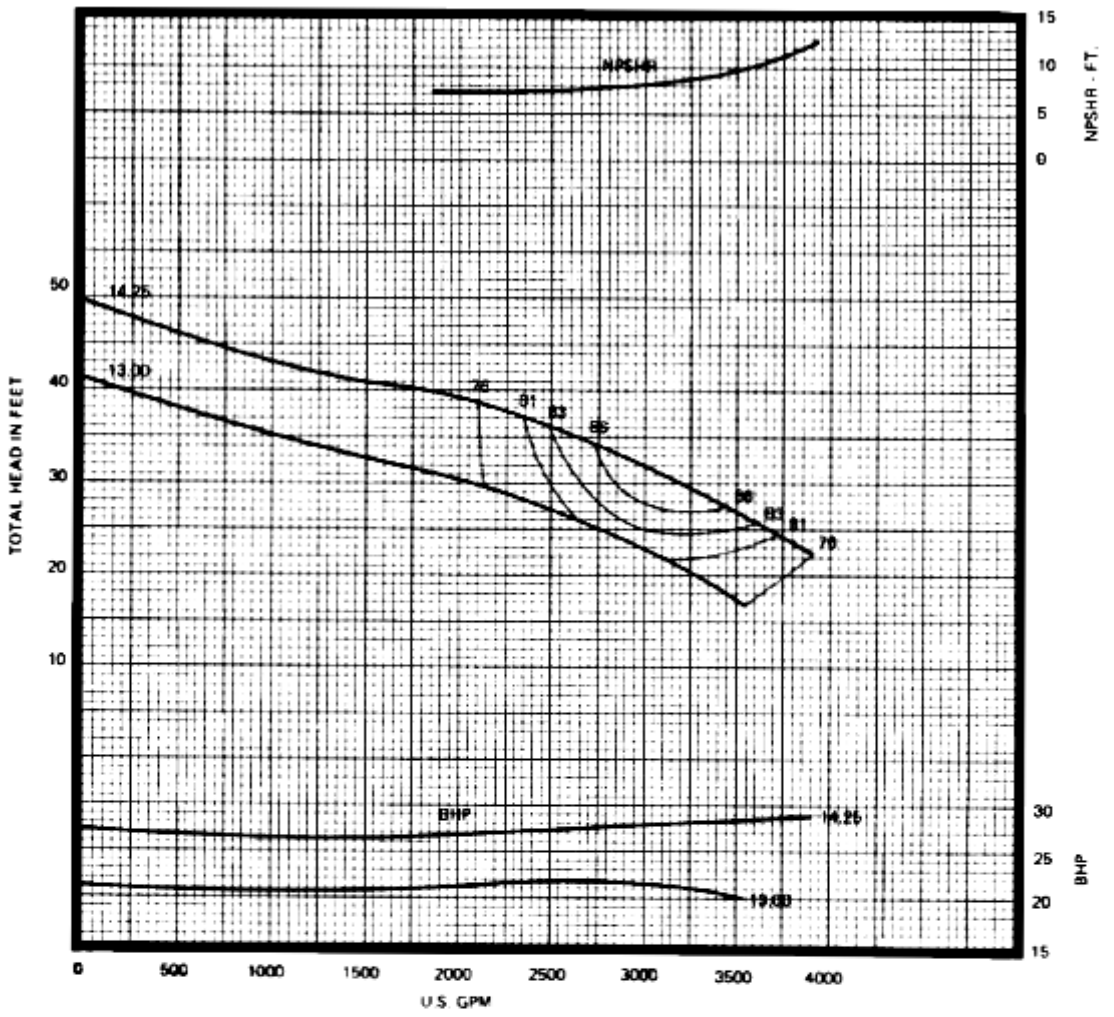
VERTICAL TURBINE PUMPS
SINGLE STAGE PERFORMANCE



18XH
1 STAGE
6920

880 RPM

IMPELLER
T5KA268

EFFICIENCY CORRECTIONS (1)

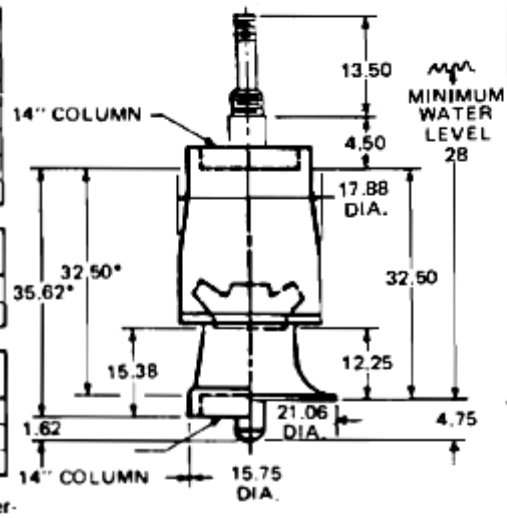
NUMBER OF STAGES	EFFICIENCY CHANGE
1	0 POINTS
2	NO CHANGE
3	NO CHANGE
4	NO CHANGE
5	NO CHANGE
6 OR MORE	NO CHANGE

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)



*Add 16.38 for each additional stage.

TECHNICAL DATA

DATA	VALUE
MAXIMUM OPERATING SPEED	1800 RPM
MAXIMUM NUMBER OF STAGES	12**
PUMP SHAFT DIAMETER	$2\frac{7}{16}$ IN.
IMPELLER EYE AREA	86.10 SQ. IN.
MAXIMUM SPHERE SIZE	1.25 IN.
K_1 (THRUST FACTOR)	33 LBS./FT.
K_2 (ROTOR WT. PER STAGE)	50 LBS.
BOWL WT. (FIRST STAGE)	750 LBS.
BOWL WT. (EACH ADD'L. STAGE)	350 LBS.
ALLOWABLE SHAFT STRETCH	.94 IN.**
WK^2 (FIRST STAGE)	15.56 LBS.-FT.^{2}
WK^2 (EACH ADD'L. STAGE)	15.27 LBS.-FT.^{2}
BOWL RING CLEARANCE	.014/.020 IN.

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