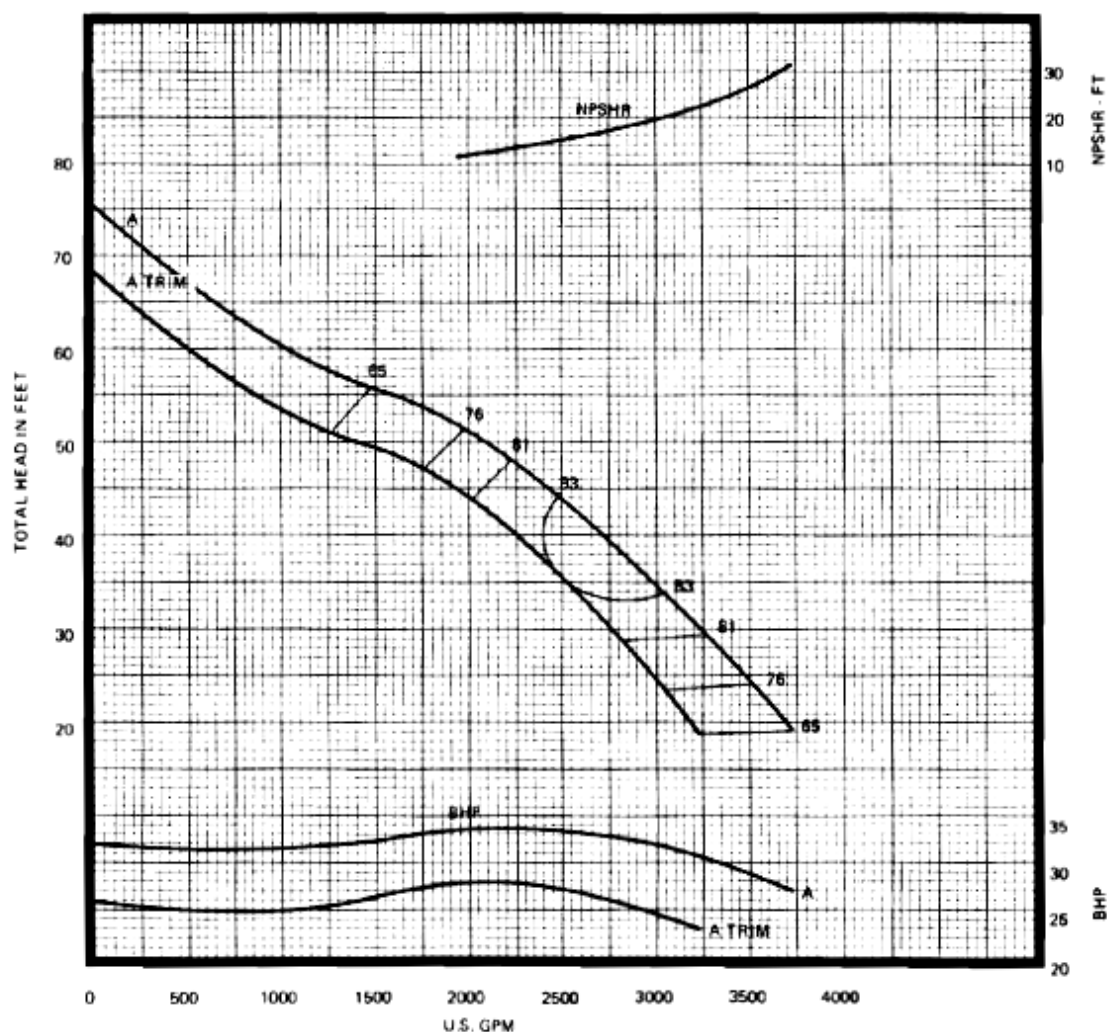


VERTICAL TURBINE PUMPS SINGLE STAGE PERFORMANCE

18M
6920
1170
RPM

IMPELLER
T5KC92



EFFICIENCY CORRECTIONS (1)

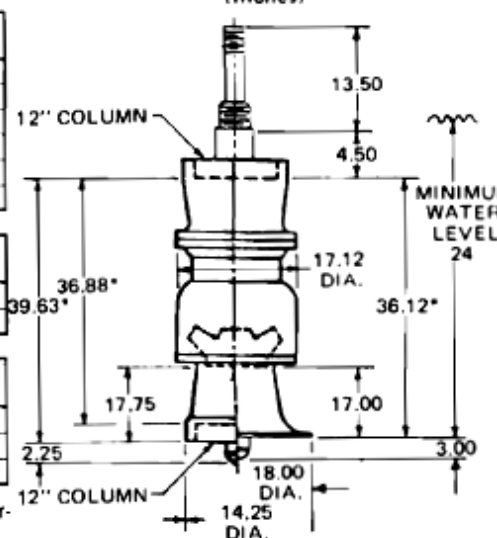
NUMBER OF STAGES	EFFICIENCY CHANGE
1	- 2.0 POINTS
2	- 1.0 POINTS
3	NO CHANGE
4	NO CHANGE
5	NO CHANGE
6 OR MORE	NO CHANGE

BOWL MATERIAL	EFFICIENCY CHANGE
CAST IRON	- 1.0 POINTS
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	2200 RPM
MAXIMUM NUMBER OF STAGES	14**
IMPELLER SHAFT DIAMETER	2 7/16 IN.
IMPELLER EYE AREA	44.0 SQ. IN.
MAXIMUM SPHERE SIZE	1.00 IN.
K ₁ (THRUST FACTOR)	18 LBS./FT.
K ₂ (ROTOR WT. PER STAGE)	40 LBS.
BOWL WT. (FIRST STAGE)	735 LBS.
BOWL WT. (EACH ADD'L STAGE)	340 LBS.
ALLOWABLE SHAFT STRETCH	.94 IN.**
WK ² (FIRST STAGE)	8.57 LBS. - FT. ²
WK ² (EACH ADD'L STAGE)	8.23 LBS. - FT. ²
BOWL RING CLEARANCE	.015/.020 IN.

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

* Add 13.38 for each additional stage.