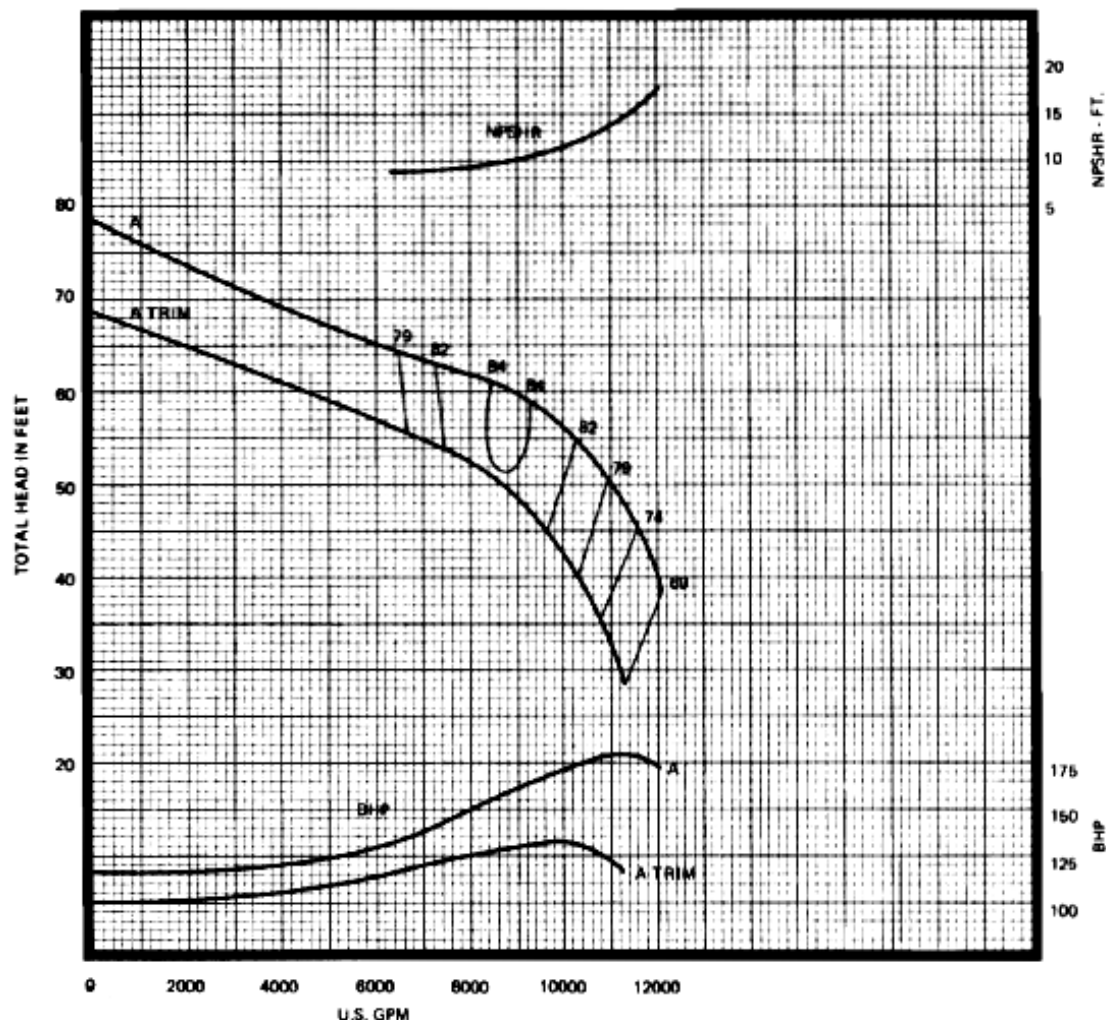


VERTICAL TURBINE PUMPS SINGLE STAGE PERFORMANCE



**36MC
6970**

**580
RPM**

IMPELLER
YT6T92

EFFICIENCY CORRECTIONS (1)

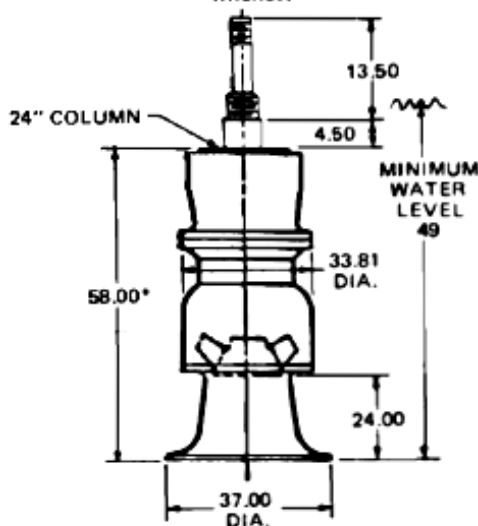
NUMBER OF STAGES	EFFICIENCY CHANGE
1	- 1.0 POINTS
2	NO CHANGE
3	NO CHANGE
4	NO CHANGE
5	NO CHANGE
6	NO CHANGE

BOWL MATERIAL	EFFICIENCY CHANGE
CAST IRON	NO CHANGE
EPOXIED C.I.	NO CHANGE

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

(1) Refer to selection data for head correction.

DIMENSIONS (Inches)



*Add 26.25 for each additional stage.

TECHNICAL DATA

DATA	VALUE
MAXIMUM OPERATING SPEED	900 RPM
MAXIMUM NUMBER OF STAGES	7**
PUMP SHAFT DIAMETER	4 1/2 IN.
IMPELLER EYE AREA	215 SQ. IN.
MAXIMUM SPHERE SIZE	2.63 IN.
K ₁ (THRUST FACTOR)	145 LBS./FT.
K ₂ (ROTOR WT. PER STAGE)	307 LBS.
BOWL WT. (FIRST STAGE)	3000 LBS.
BOWL WT. (EACH ADD'L STAGE)	1750 LBS.
ALLOWABLE SHAFT STRETCH	.88 IN.**
WK ² (FIRST STAGE)	306.00 LBS.-FT. ²
WK ² (EACH ADD'L STAGE)	195.90 LBS.-FT. ²
BOWL RING CLEARANCE	NA

**These are nominal values. Refer to selection data for information further limiting or extending these values.