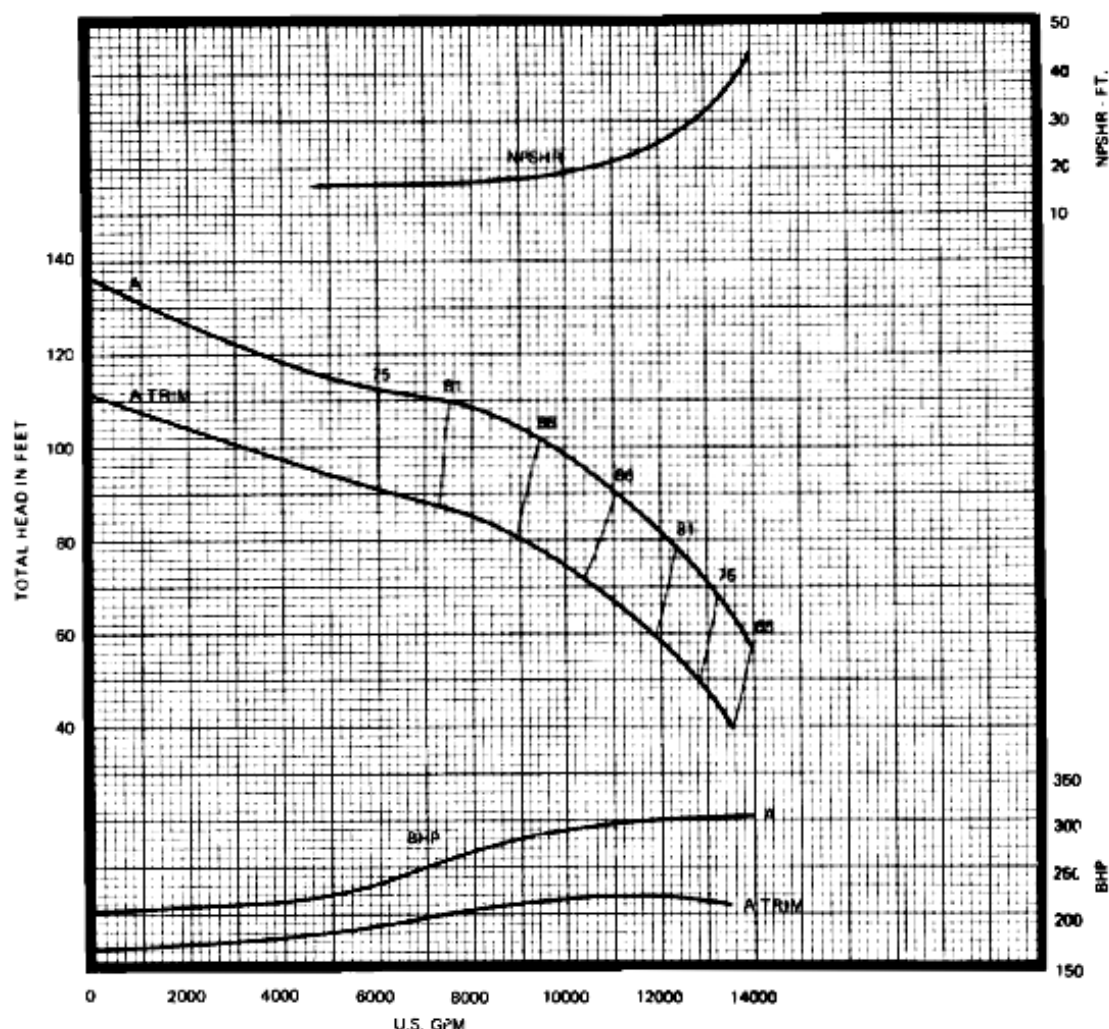


VERTICAL TURBINE PUMPS SINGLE STAGE PERFORMANCE



**32MC
6970
880
RPM**

IMPELLER
YT6P92

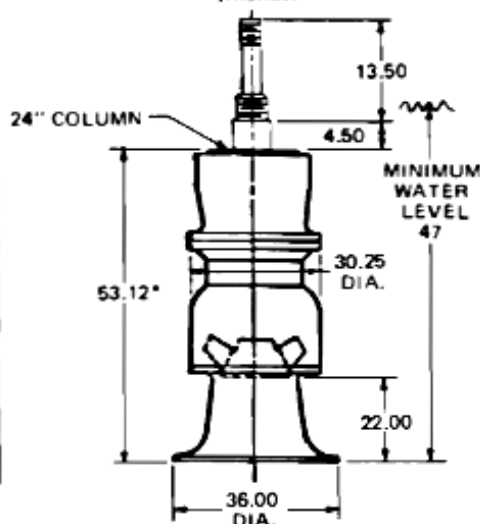
EFFICIENCY CORRECTIONS (1)

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	-1.0 POINTS
EPOXYED C.I.	NO CHANGE

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

DIMENSIONS (Inches)



TECHNICAL DATA

DATA	VALUE
MAXIMUM OPERATING SPEED	900 RPM
MAXIMUM NUMBER OF STAGES	8**
PUMP SHAFT DIAMETER	4 IN.
IMPELLER EYE AREA	169 SQ. IN.
MAXIMUM SPHERE SIZE	2.13 IN.
K ₁ (THRUST FACTOR)	105 LBS./FT.
K ₂ (ROTOR WT. PER STAGE)	234 LBS.
BOWL WT. (FIRST STAGE)	2500 LBS.
BOWL WT. (EACH ADD'L STAGE)	1400 LBS.
ALLOWABLE SHAFT STRETCH	.75 IN.**
WK ² (FIRST STAGE)	178.30 LBS.-FT. ²
WK ² (EACH ADD'L STAGE)	110.60 LBS.-FT. ²
BOWL RING CLEARANCE	NA

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

(1) Refer to selection data for head correction.

*Add 23.50 for each additional stage.