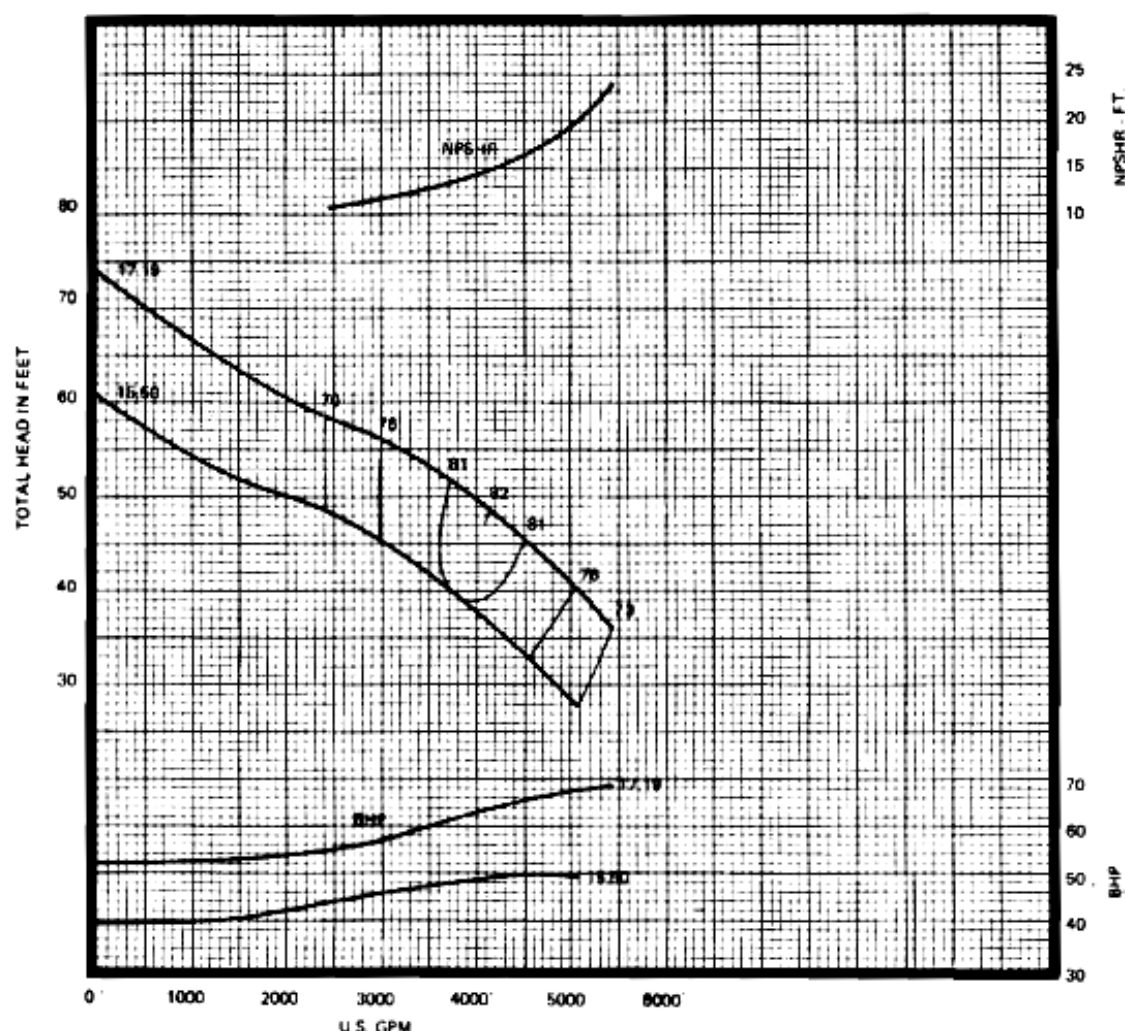


VERTICAL TURBINE PUMPS SINGLE STAGE PERFORMANCE

**24H
6920**

**880
RPM**

IMPELLER
T5MA99



EFFICIENCY CORRECTIONS (1)

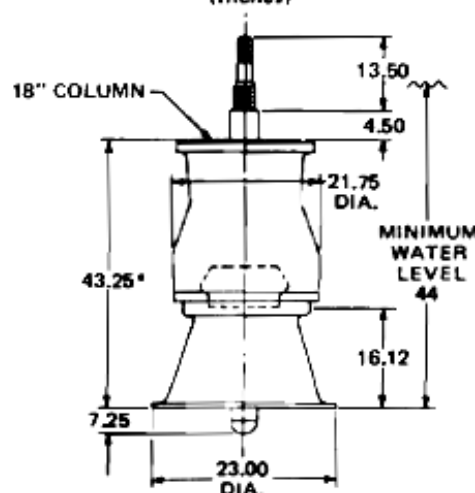
NUMBER OF STAGES	EFFICIENCY CHANGE
1	- 1.0 POINTS
2	NO CHANGE
3	NO CHANGE
4	NO CHANGE
5	NO CHANGE
6 OR MORE	NO CHANGE

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)



*Add 18.00 for each additional stage.

TECHNICAL DATA

DATA	VALUE
MAXIMUM OPERATING SPEED	1500 RPM
MAXIMUM NUMBER OF STAGES	10**
PUMP SHAFT DIAMETER	4 IN.
IMPELLER EYE AREA	91.30 SQ. IN.
MAXIMUM SPHERE SIZE	1.38 IN.
K ₁ (THRUST FACTOR)	39 LBS./FT
K ₂ (ROTOR WT. PER STAGE)	126 LBS
BOWL WT. (FIRST STAGE)	1600 LBS
BOWL WT. (EACH ADD'L STAGE)	800 LBS
ALLOWABLE SHAFT STRETCH	1.06 IN. **
WK ² (FIRST STAGE)	34.27 LBS.-FT. ²
WK ² (EACH ADD'L STAGE)	31.76 LBS.-FT. ²
BOWL RING CLEARANCE	.017-.022 IN.

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