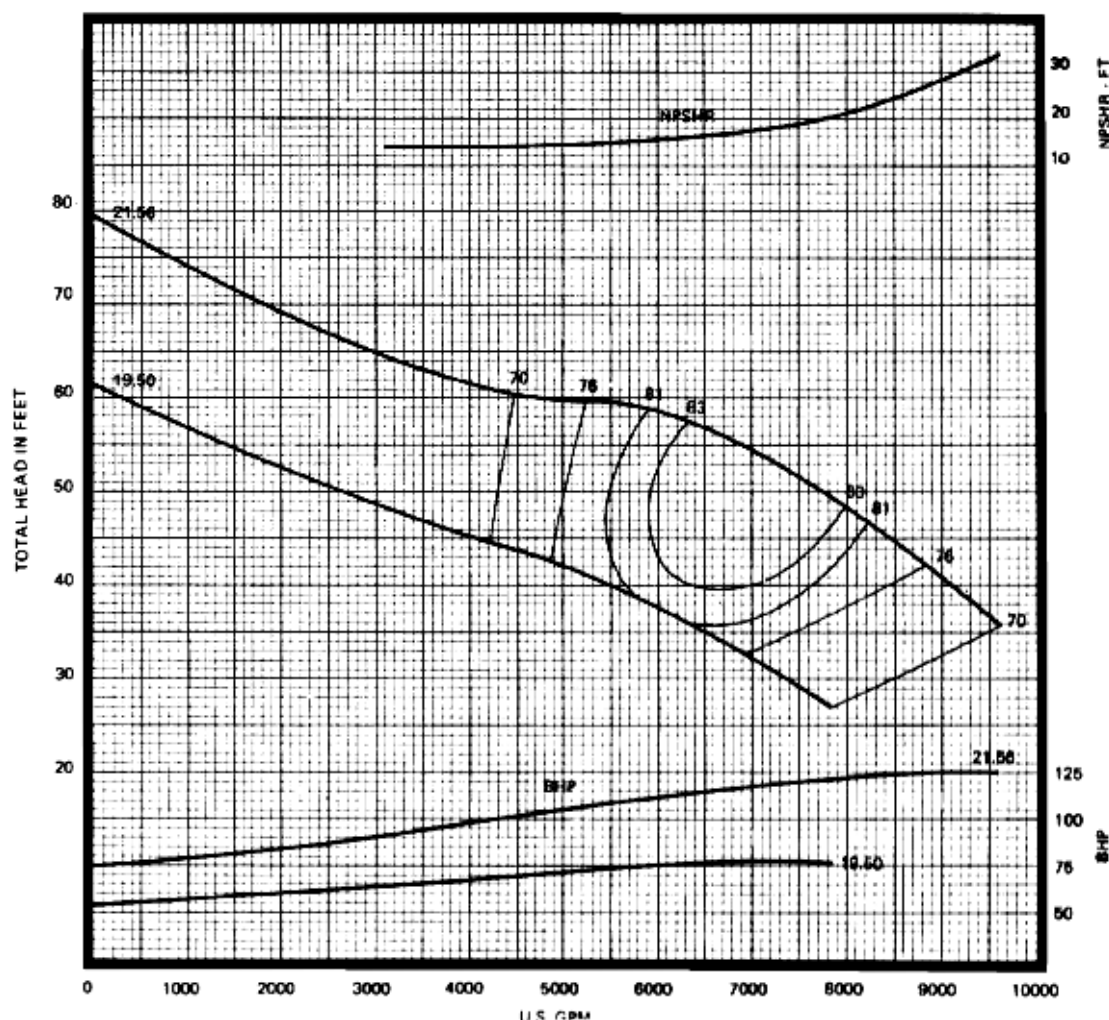


VERTICAL TURBINE PUMPS SINGLE STAGE PERFORMANCE

**30HC
6920**

**705
RPM**

IMPELLER
T52A99



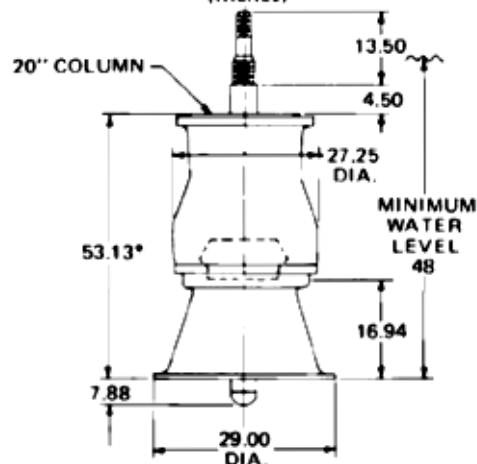
EFFICIENCY CORRECTIONS (1)

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
EPOXIED C.I.	NO CHANGE

IMPELLER MATERIAL	EFFICIENCY CHANGE
CAST IRON	- 1.0 POINTS
BRONZE	NO CHANGE
EPOXIED 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	149.7 SQ. IN.
MAXIMUM SPHERE SIZE	1.75 IN.
K ₁ (THRUST FACTOR)	58 LBS./FT.
K ₂ (ROTOR WT. PER STAGE)	227 LBS.
BOWL WT. (FIRST STAGE)	2700 LBS.
BOWL WT. (EACH ADD'L STAGE)	1350 LBS.
ALLOWABLE SHAFT STRETCH	1.06 IN.**
WK ² (FIRST STAGE)	82.85 LBS.-FT. ²
WK ² (EACH ADD'L STAGE)	80.00 LBS.-FT. ²
BOWL RING CLEARANCE	.015/.019 IN.

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

(1) Refer to selection data for head correction.

*Add 22.62 for each additional stage.