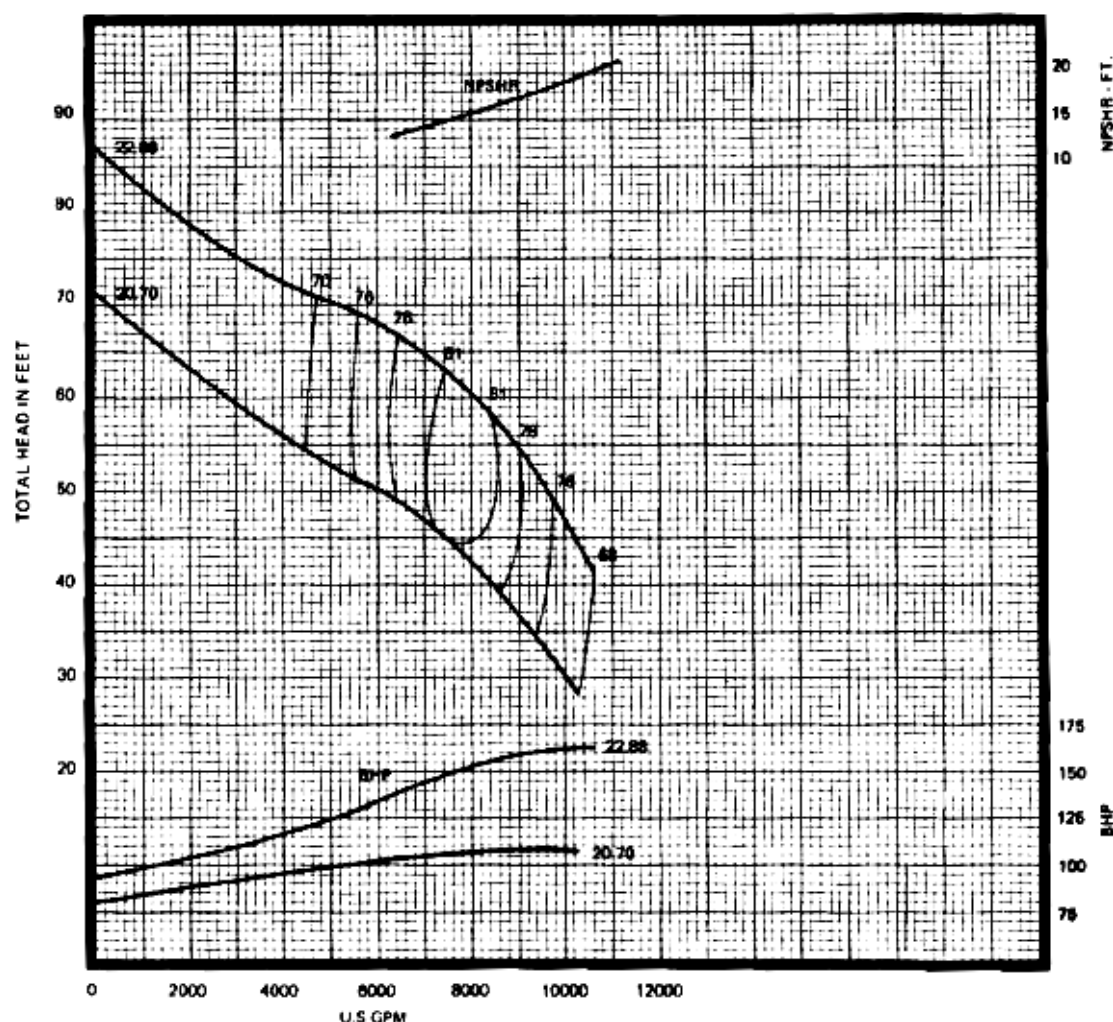


VERTICAL TURBINE PUMPS SINGLE STAGE PERFORMANCE

**32HC
6920**

**705
RPM**

IMPELLER
YT6PA99



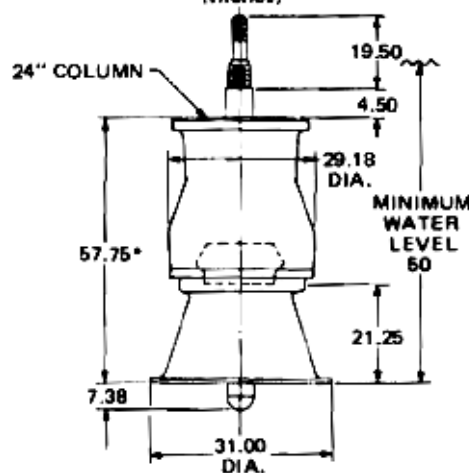
EFFICIENCY CORRECTIONS (1)

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	7**
PUMP SHAFT DIAMETER	5 IN.
IMPELLER EYE AREA	166.8 SQ. IN.
MAXIMUM SPHERE SIZE	1.63 IN.
K ₁ (THRUST FACTOR)	67 LBS./FT.
K ₂ (ROTOR WT. PER STAGE)	292 LBS.
BOWL WT. (FIRST STAGE)	3300 LBS.
BOWL WT. (EACH ADD'L. STAGE)	1650 LBS.
ALLOWABLE SHAFT STRETCH	1.06 IN.
WK ² (FIRST STAGE)	149.80 LBS.-FT. ²
WK ² (EACH ADD'L. STAGE)	141.38 LBS.-FT. ²
BOWL RING CLEARANCE	.019/.025 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 24.25 for each additional stage.