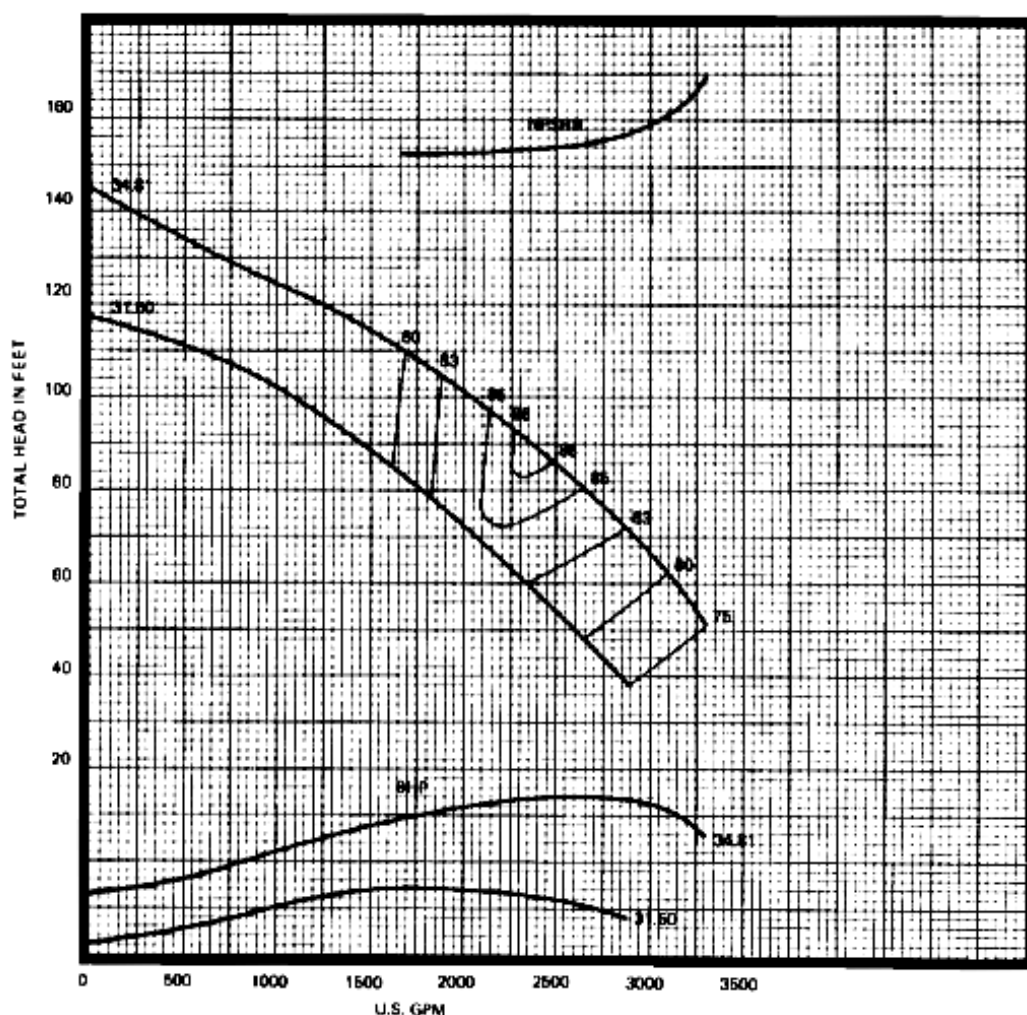


VERTICAL TURBINE PUMPS SINGLE STAGE PERFORMANCE

**48HC
6920**

**580
RPM**

IMPELLER
YT5WA99



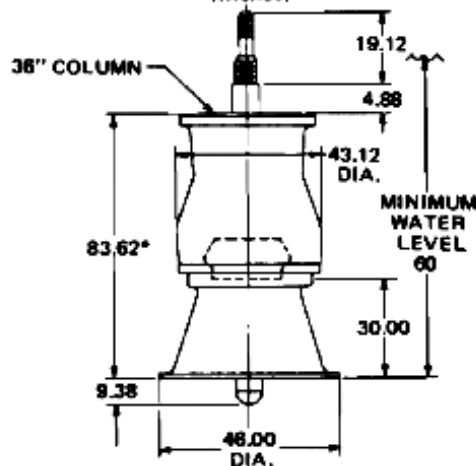
EFFICIENCY CORRECTIONS (1)

NUMBER OF STAGES	EFFICIENCY CHANGE
1	- 2.0 POINTS
2	- 1.0 POINTS
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.	NO CHANGE

DIMENSIONS (Inches)



TECHNICAL DATA

DATA	VALUE
MAXIMUM OPERATING SPEED	600 RPM
MAXIMUM NUMBER OF STAGES	4**
PUMP SHAFT DIAMETER	5 1/2 IN.
IMPELLER EYE AREA	396.2 SQ. IN.
MAXIMUM SPHERE SIZE	2.75 IN.
K ₁ (THRUST FACTOR)	152 LBS./FT.
K ₂ (ROTOR WT. PER STAGE)	980 LBS.
BOWL WT. (FIRST STAGE)	7300 LBS.
BOWL WT. (EACH ADD'L. STAGE)	3840 LBS.
ALLOWABLE SHAFT STRETCH	1.82 IN.**
WK ² (FIRST STAGE)	1040 LBS.-FT. ²
WK ² (EACH ADD'L. STAGE)	1025 LBS.-FT. ²
BOWL RING CLEARANCE	.028/.033 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 36.25 for each additional stage.