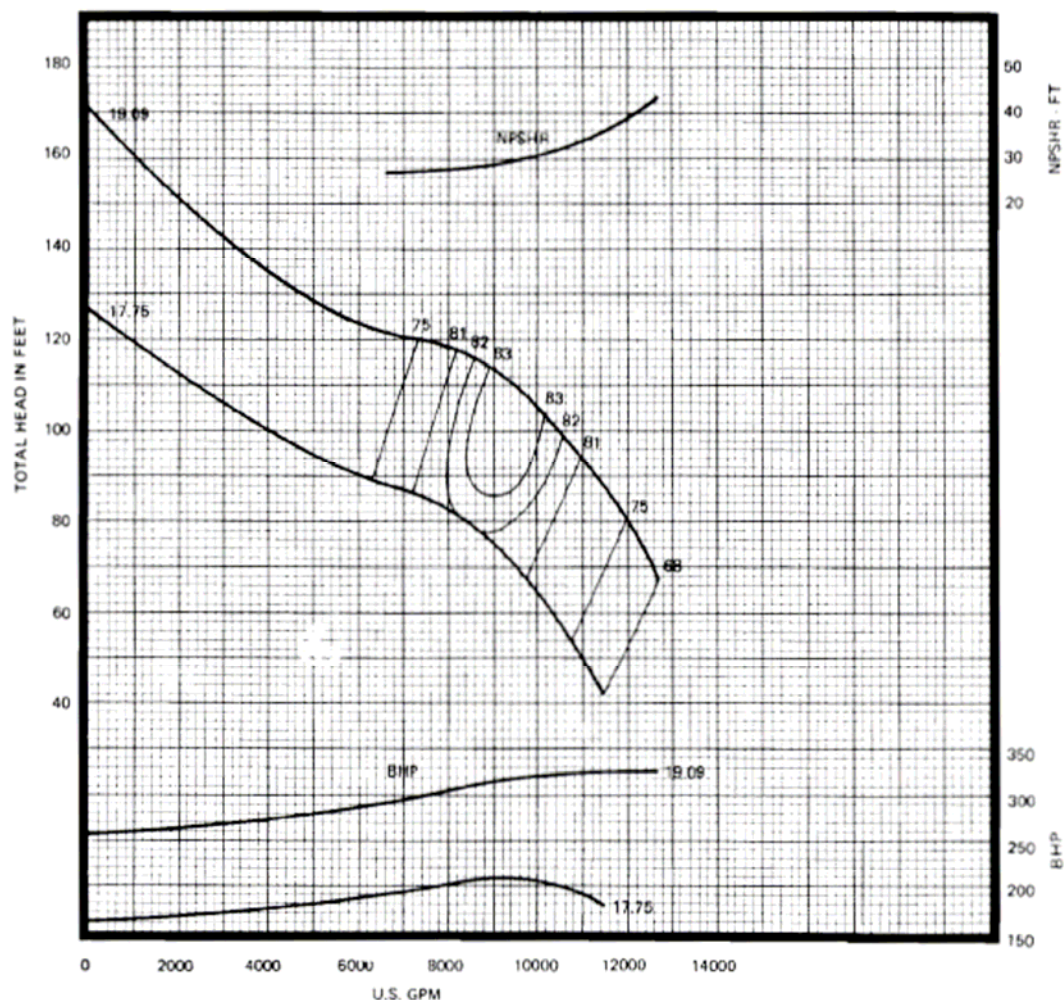


VERTICAL TURBINE PUMPS SINGLE STAGE PERFORMANCE

**24XHC
6920**

**1170
RPM**

IMPELLER
T5MA268



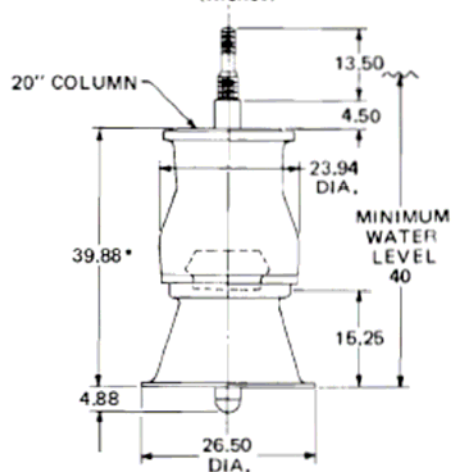
EFFICIENCY CORRECTIONS (1)

NUMBER OF STAGES	EFFICIENCY CHANGE
1	2.0 POINTS
2	1.0 POINTS
3	NO CHANGE
4	NO CHANGE
5	NO CHANGE
6 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

DIMENSIONS (Inches)



TECHNICAL DATA

DATA	VALUE
MAXIMUM OPERATING SPEED	1300 RPM
MAXIMUM NUMBER OF STAGES	9**
PUMP SHAFT DIAMETER	3 7/16 IN.
IMPELLER EYE AREA	153.7 SQ. IN.
MAXIMUM SPHERE SIZE	1.68 IN.
K ₁ (THRUST FACTOR)	59 LBS./FT.
K ₂ (ROTOR WT. PER STAGE)	140 LBS.
BOWL WT. (FIRST STAGE)	1760 LBS.
BOWL WT. (EACH ADD'L. STAGE)	880 LBS.
ALLOWABLE SHAFT STRETCH	1.06 IN.**
WK ² (FIRST STAGE)	51.08 LBS.-FT. ²
WK ² (EACH ADD'L. STAGE)	49.83 LBS.-FT. ²
BOWL RING CLEARANCE	.015/.021 IN.

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

(1) Refer to "Application and Reference Data" for head correction.

*Add 21.88 for each additional stage.