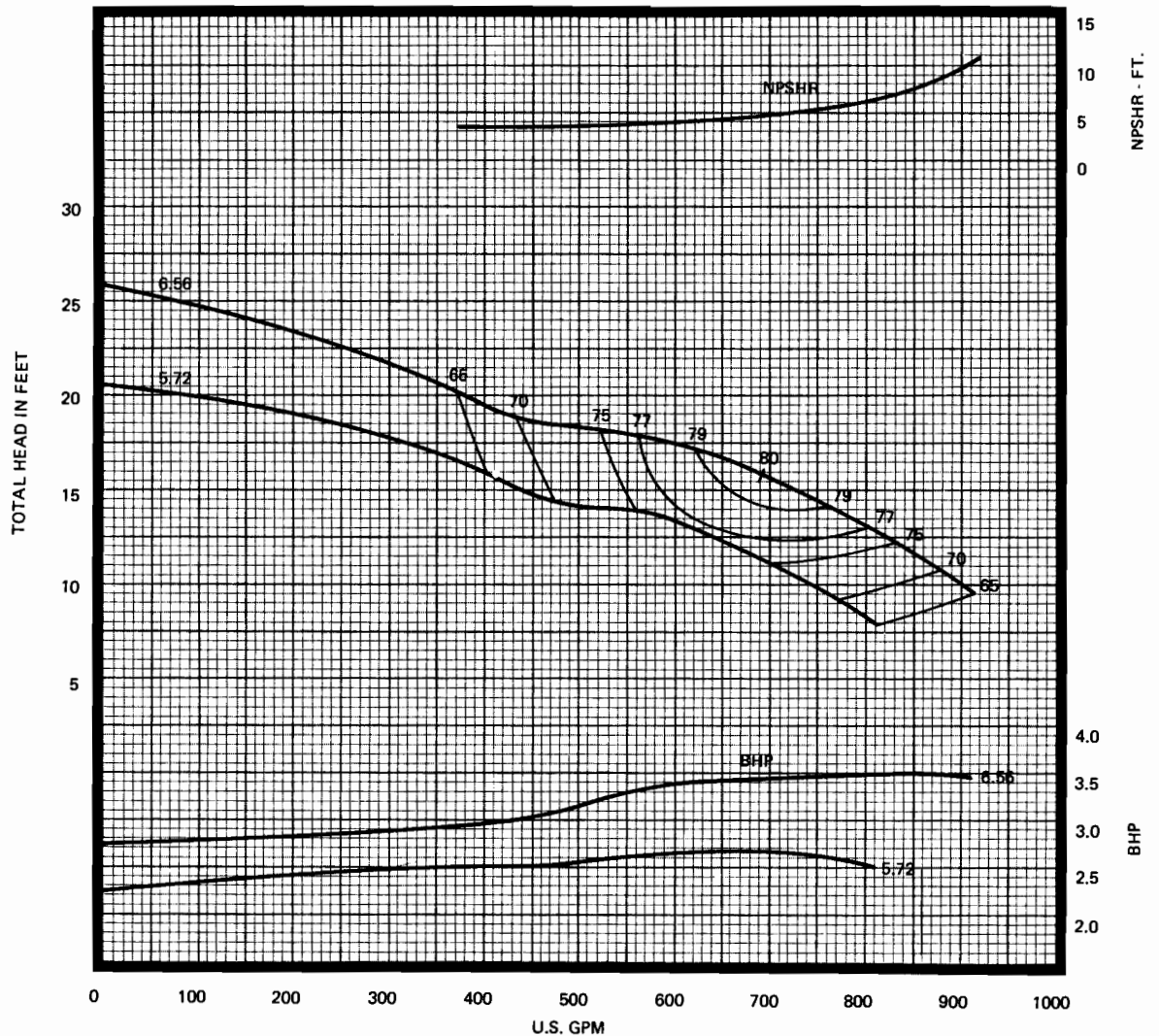


VERTICAL TURBINE PUMPS SINGLE STAGE PERFORMANCE

**10XH
7000**

**1170
RPM**

IMPELLER
T5DA268



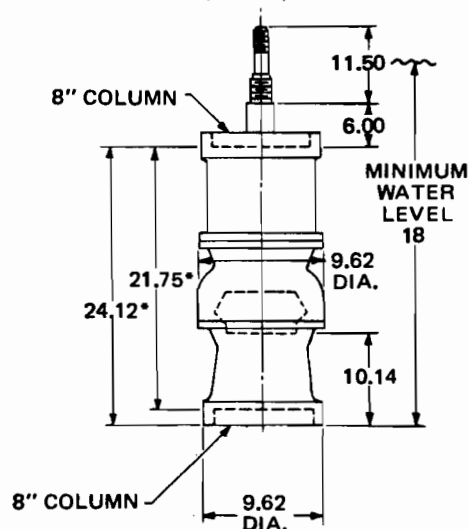
EFFICIENCY CORRECTIONS (1)

NUMBER OF STAGES	EFFICIENCY CHANGE
1	- 4.0 POINTS
2	- 3.0 POINTS
3	- 2.0 POINTS
4	- 1.0 POINTS
5	NO CHANGE
6 OR MORE	NO CHANGE

BOWL MATERIAL	EFFICIENCY CHANGE
CAST IRON	- 2.0 POINTS
ENAMELED C.I.	NO CHANGE

IMPELLER MATERIAL	EFFICIENCY CHANGE
CAST IRON	- 2.0 POINTS
BRONZE	NO CHANGE
ENAMELED C.I.	NO CHANGE

DIMENSIONS (Inches)



*Add 10.00 for each additional stage.

TECHNICAL DATA

DATA	VALUE
MAXIMUM OPERATING SPEED	2700 RPM
MAXIMUM NUMBER OF STAGES	21**
PUMP SHAFT DIAMETER	1 ⁷ / ₁₆ IN.
IMPELLER EYE AREA	22.42 SQ. IN.
MAXIMUM SPHERE SIZE	.68 IN.
K _t (THRUST FACTOR)	7.50 LBS./FT.
K _a (ROTOR WT. PER STAGE)	10.00 LBS.
BOWL WT. (FIRST STAGE)	200 LBS.
BOWL WT. (EACH ADD'L. STAGE)	65 LBS.
ALLOWABLE SHAFT STRETCH	.75 IN.**
WK ² (FIRST STAGE)	1.32 LBS.-FT. ²
WK ² (EACH ADD'L. STAGE)	1.30 LBS.-FT. ²
BOWL RING CLEARANCE	.014/.020 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.