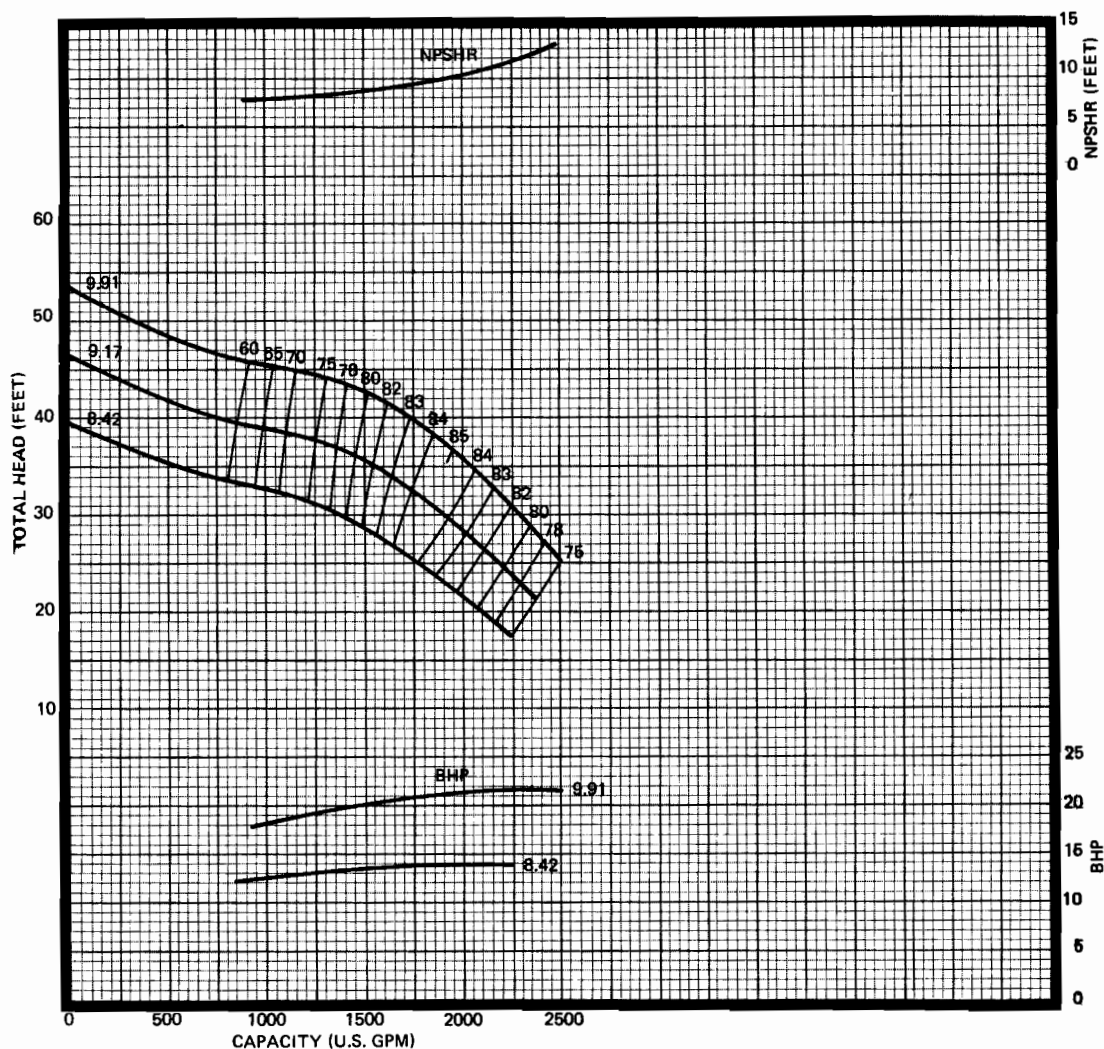


VERTICAL TURBINE PUMPS SINGLE STAGE PERFORMANCE



**15H
7000**

**1170
RPM**

**IMPELLER
T7FKA99**

EFFICIENCY CORRECTIONS (1)

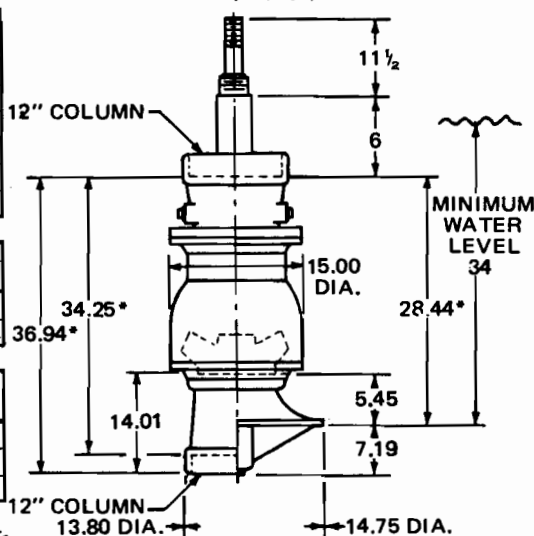
NUMBER OF STAGES	EFFICIENCY CHANGE
1	-2.5 POINTS
2	-1.5 POINTS
3	-0.5 POINTS
4	NO CHANGE
5	NO CHANGE
6 OR MORE	NO CHANGE

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

IMPELLER MATERIAL	EFFICIENCY CHANGE
CAST IRON	-1.0 POINTS
BRONZE	NO CHANGE
ENAMELED C.I.	+1.0 POINTS

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

DIMENSIONS (Inches)



*Add 14.50 for each additional stage.

TECHNICAL DATA

DATA	VALUE
MAXIMUM OPERATING SPEED	2100 RPM
MAXIMUM NUMBER OF STAGES	14**
PUMP SHAFT DIAMETER	1 ¹⁵ / ₁₆ IN.
IMPELLER EYE AREA	37.80 SQ. IN.
MAXIMUM SPHERE SIZE	1.31 IN.
K _t (THRUST FACTOR)	25.40 LBS./FT.
K _a (ROTOR WT. PER STAGE)	53.40 LBS.
BOWL WT. (FIRST STAGE)	469 LBS.
BOWL WT. (EACH ADD'L. STAGE)	200 LBS.
ALLOWABLE SHAFT STRETCH	.78 IN.**
WK ² (FIRST STAGE)	4.91 LBS.-FT. ²
WK ² (EACH ADD'L. STAGE)	4.69 LBS.-FT. ²
BOWL RING CLEARANCE	.014/.018 IN.

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