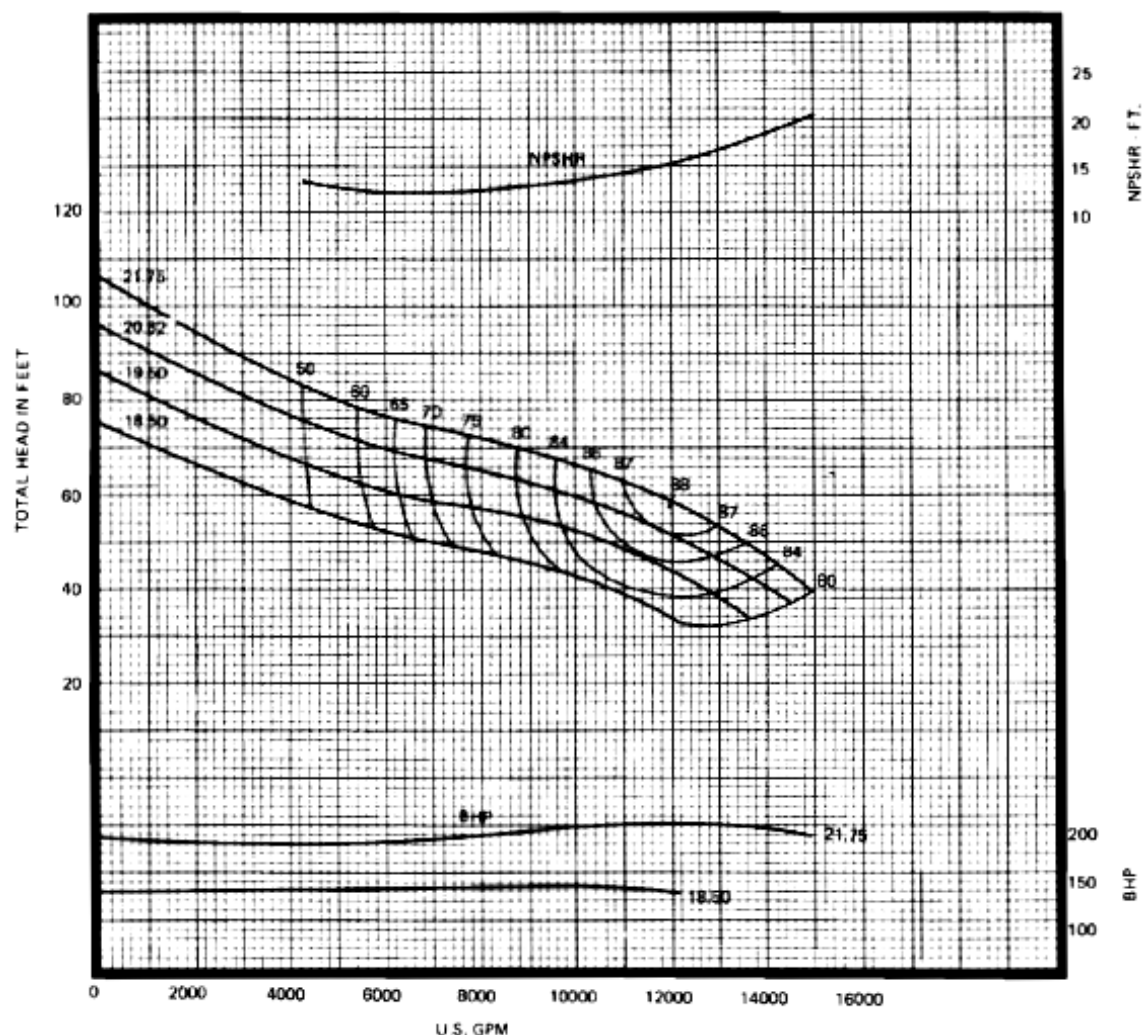


VERTICAL TURBINE PUMPS SINGLE STAGE PERFORMANCE

**34H
7000**

**705
RPM**

IMPELLER
T7SA92



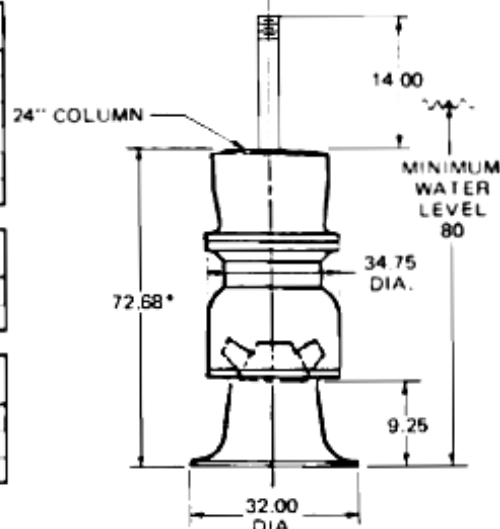
EFFICIENCY CORRECTIONS (1)

NUMBER OF STAGES	EFFICIENCY CHANGE
1	0 POINTS
2	0 POINTS
3	-1.0 POINTS
4	-1.0 POINTS
5	-1.0 POINTS
6	-

BOWL MATERIAL	EFFICIENCY CHANGE
CAST IRON	NO CHANGE
ENAMELED C.I.	NO CHANGE

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

DIMENSIONS (Inches)



TECHNICAL DATA

DATA	VALUE
MAXIMUM OPERATING SPEED	900 RPM
MAXIMUM NUMBER OF STAGES	5**
PUMP SHAFT DIAMETER	3 1/16 IN.
IMPELLER EYE AREA	227 SQ. IN.
MAXIMUM SPHERE SIZE	3.25 IN.
K _t (THRUST FACTOR)	111 LBS./FT.
K _a (ROTOR WT. PER STAGE)	305 LBS.
BOWL WT. (FIRST STAGE)	3500 LBS.
BOWL WT. (EACH ADD'L. STAGE)	1400 LBS.
ALLOWABLE SHAFT STRETCH	.38 IN.**
WK ² (FIRST STAGE)	171 LBS.-FT. ²
WK ² (EACH ADD'L. STAGE)	170 LBS.-FT. ²
BOWL RING CLEARANCE	.028/.032 IN.

**These are nominal values. Refer to selection data for information further limiting or extending these values.

(1) Refer to selection data for head correction.

*Add 32.88 for each additional stage.