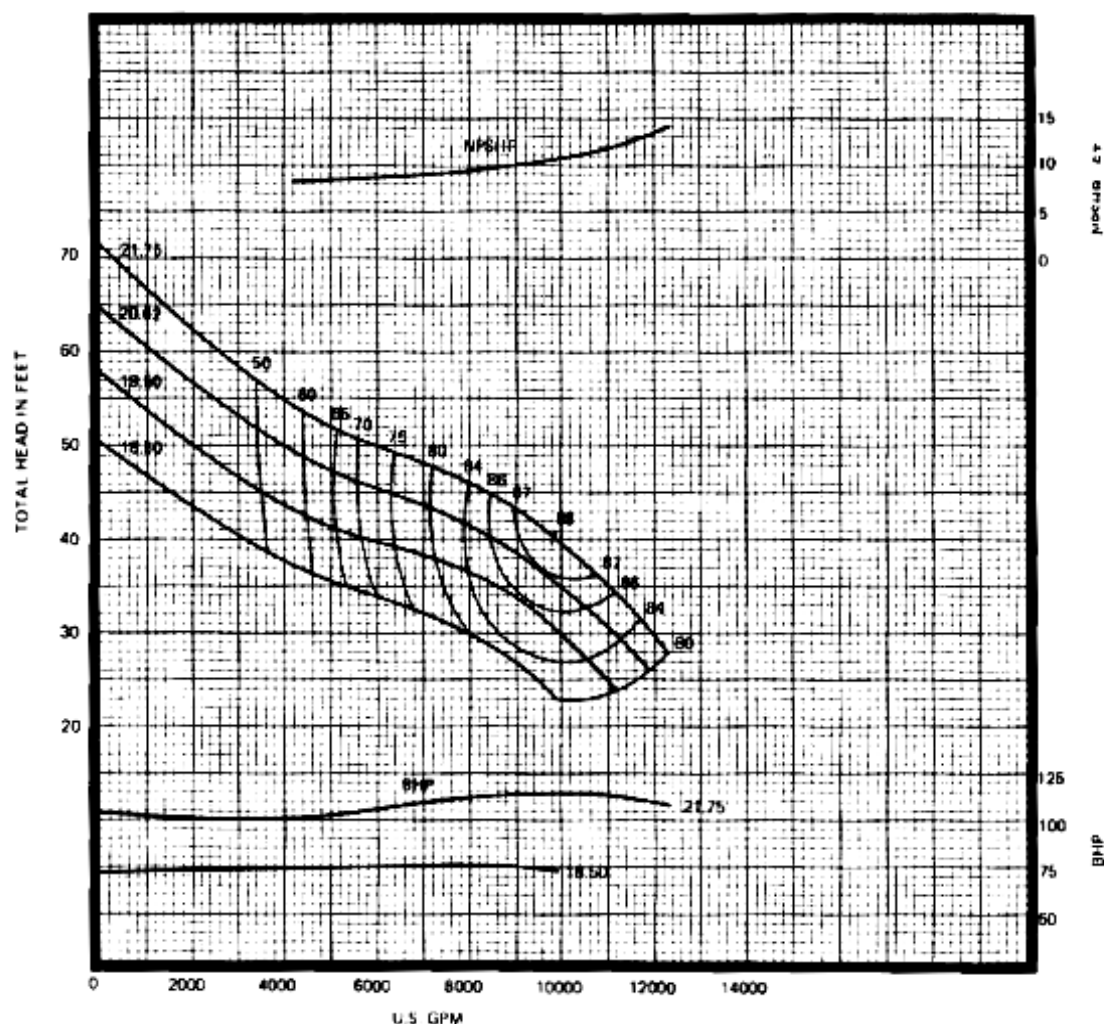


VERTICAL TURBINE PUMPS SINGLE STAGE PERFORMANCE

**34H
7000**

**580
RPM**

IMPELLER
T7SA92



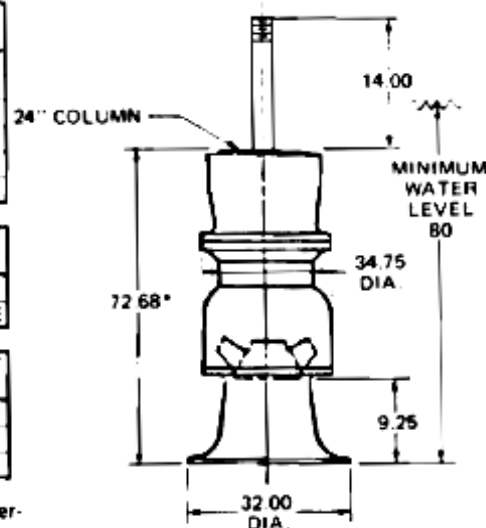
EFFICIENCY CORRECTIONS (1)

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)



*Add 32.88 for each additional stage.

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 ₁ (THRUST FACTOR)	111 LBS./FT.
K ₂ (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 "Application and Reference Data" for information further limiting or extending these values.

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

FAIRBANKS MORSE PUMPS