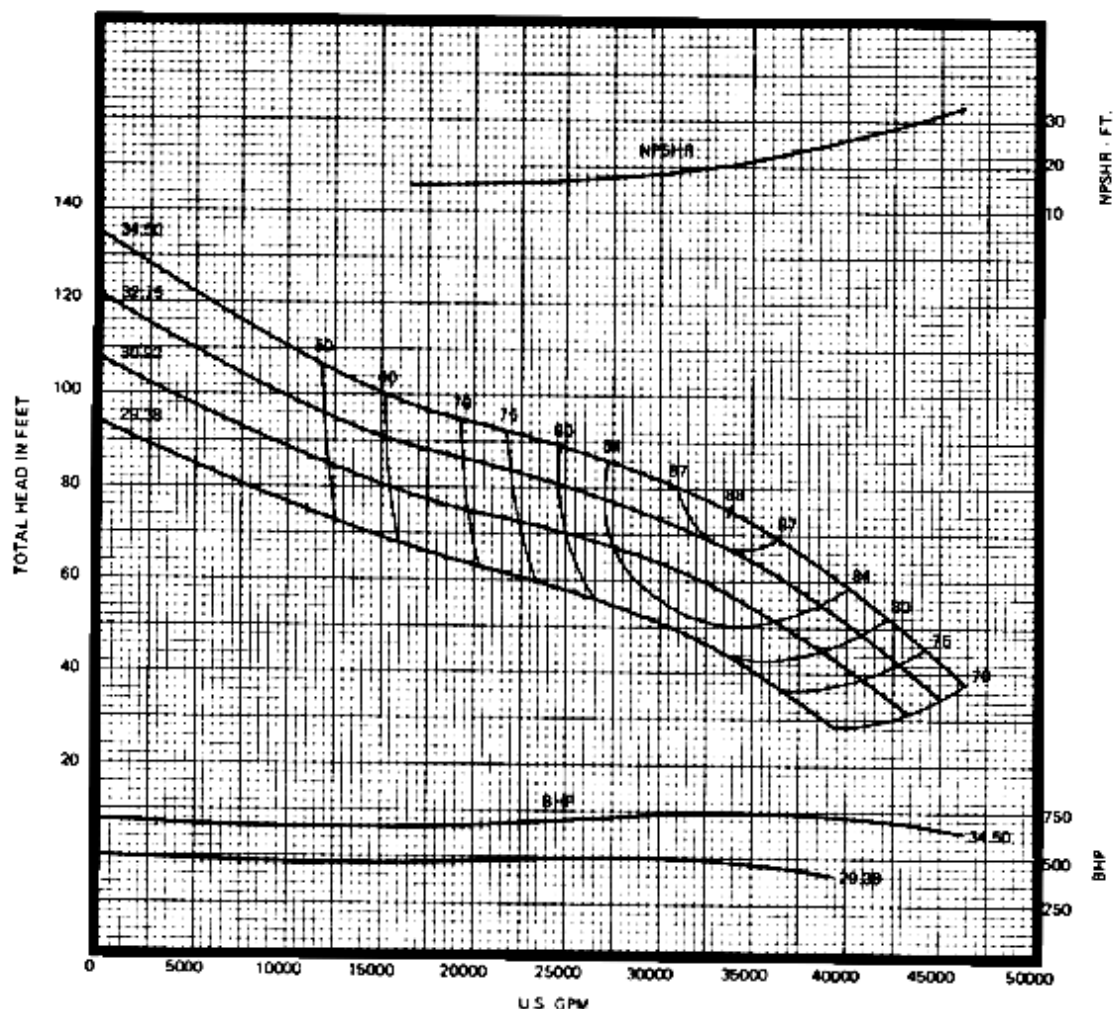


VERTICAL TURBINE PUMPS SINGLE STAGE PERFORMANCE

**57H
7000**

**500
RPM**

IMPELLER
T7AWA99



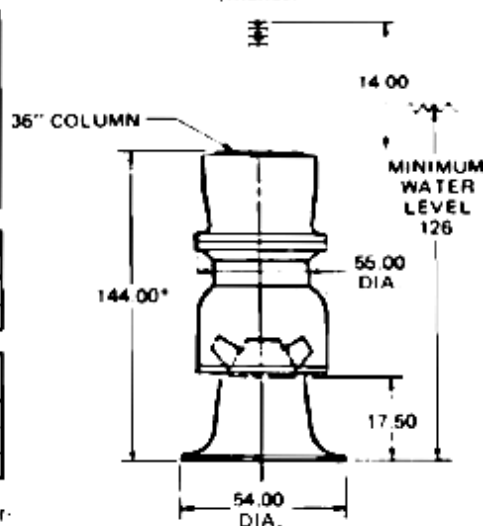
EFFICIENCY CORRECTIONS (1)

NUMBER OF STAGES	EFFICIENCY CHANGE
1	0 POINTS
2	0 POINTS
3	-1.0 POINTS
4	
5	
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	600 RPM
MAXIMUM NUMBER OF STAGES	1**
PUMP SHAFT DIAMETER	5 1/2 IN.
IMPELLER EYE AREA	571 SQ. IN.
MAXIMUM SPHERE SIZE	5.25 IN.
K _t (THRUST FACTOR)	280 LBS./FT.
K _r (ROTOR WT. PER STAGE)	975 LBS.
BOWL WT. (FIRST STAGE)	8000 LBS.
BOWL WT. (EACH ADD'L STAGE)	4500 LBS.
ALLOWABLE SHAFT STRETCH	.62 IN.**
WK ₁ (FIRST STAGE)	1580 LBS.-FT. ²
WK ₂ (EACH ADD'L STAGE)	1560 LBS.-FT. ²
BOWL RING CLEARANCE	.045/.048 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