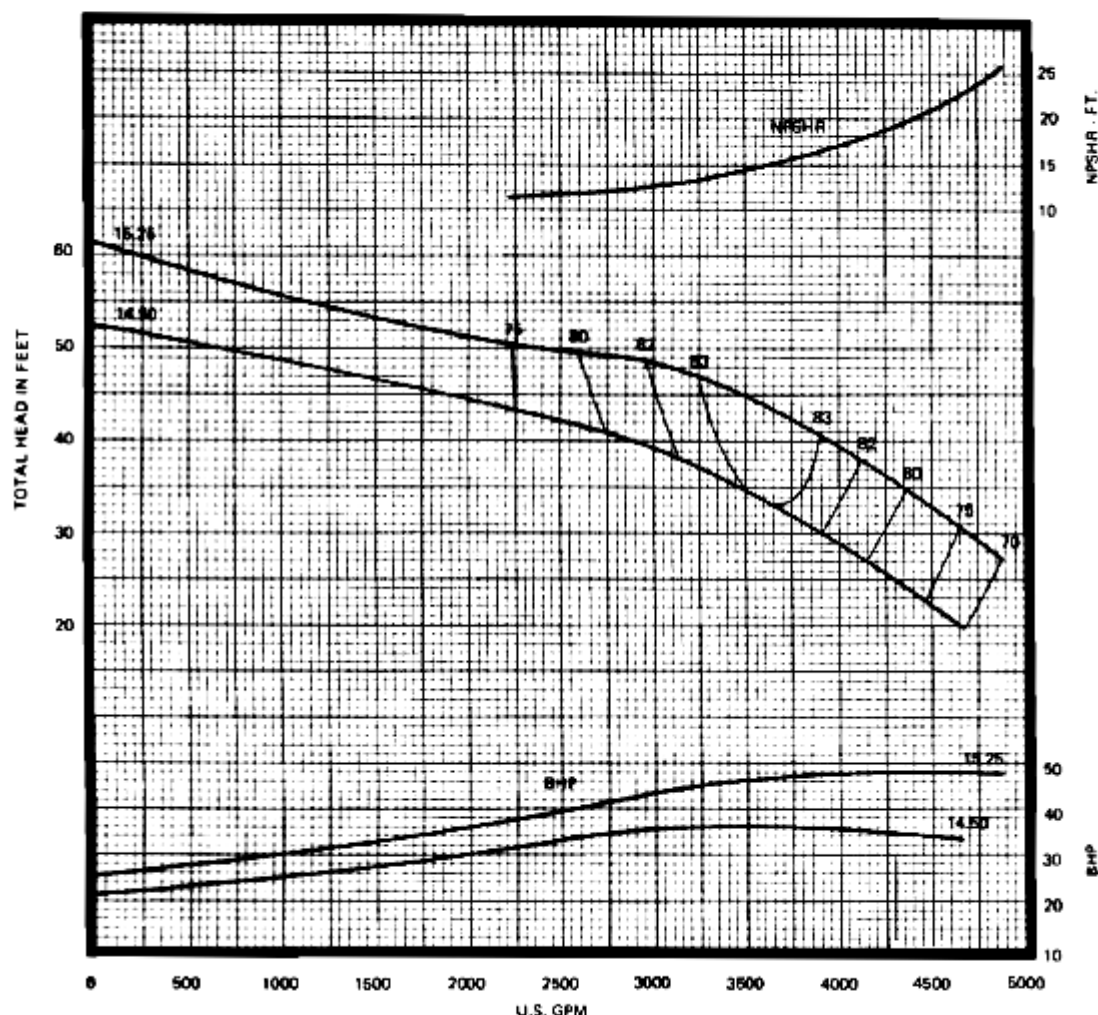


VERTICAL TURBINE PUMPS SINGLE STAGE PERFORMANCE

123



20H
6920

880
RPM

IMPELLER
T5LB99

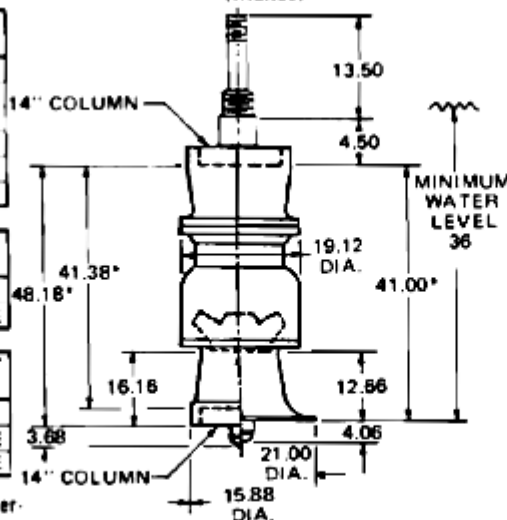
EFFICIENCY CORRECTIONS (1)

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

BOWL MATERIAL	EFFICIENCY CHANGE
CAST IRON	- 1.0 POINTS
EPOXIED C.I.	NO CHANGE

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

DIMENSIONS (Inches)



TECHNICAL DATA

DATA	VALUE
MAXIMUM OPERATING SPEED	1500 RPM
MAXIMUM NUMBER OF STAGES	12**
PUMP SHAFT DIAMETER	2 1/8 IN.
IMPELLER EYE AREA	74.80 SQ. IN.
MAXIMUM SPHERE SIZE	1.25 IN.
K _t (THRUST FACTOR)	28 LBS./FT.
K _a (ROTOR WT. PER STAGE)	87 LBS.
BOWL WT. (FIRST STAGE)	1000 LBS.
BOWL WT. (EACH ADD'L STAGE)	475 LBS.
ALLOWABLE SHAFT STRETCH	.94 IN.**
WK ₂ (FIRST STAGE)	17.65 LBS.-FT. 2
WK ₂ (EACH ADD'L STAGE)	17.04 LBS.-FT. 2
BOWL RING CLEARANCE	.015/.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.

*Add 15.88 for each additional stage.

FAIRBANKS MORSE PUMPS