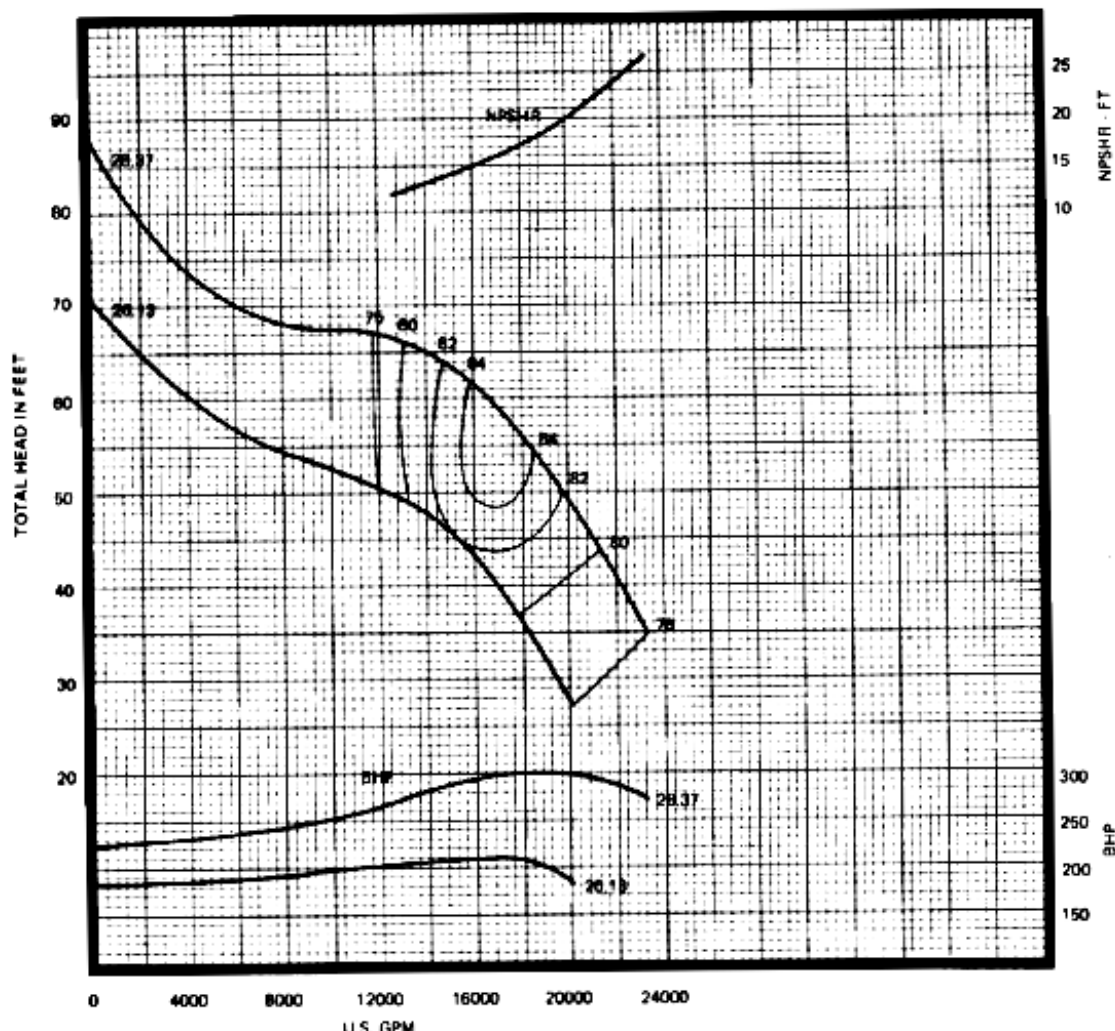


VERTICAL TURBINE PUMPS SINGLE STAGE PERFORMANCE

173

36XHC 6920

580 RPM

IMPELLER
TST A268T


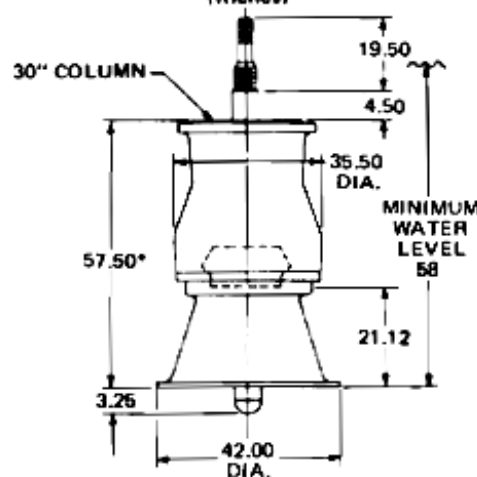
EFFICIENCY CORRECTIONS (1)

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

BOWL MATERIAL	EFFICIENCY CHANGE
CAST IRON	NO CHANGE
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	900 RPM
MAXIMUM NUMBER OF STAGES	5**
PUMP SHAFT DIAMETER	5 IN.
IMPELLER EYE AREA	343.4 SQ. IN.
MAXIMUM SPHERE SIZE	2.51 IN.
K ₁ (THRUST FACTOR)	131 LBS./FT.
K ₂ (ROTOR WT. PER STAGE)	420 LBS./FT.
BOWL WT. (FIRST STAGE)	4180 LBS.
BOWL WT. (EACH ADD'L. STAGE)	2200 LBS.
ALLOWABLE SHAFT STRETCH	1.38 IN.
WK ² (FIRST STAGE)	365.90 LBS.-FT. ²
WK ² (EACH ADD'L. STAGE)	358.96 LBS.-FT. ²
BOWL RING CLEARANCE	.019/.022 IN.

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

(1) Refer to selection data for head correction.

*Add 35.50 for each additional stage.

FAIRBANKS MORSE PUMPS