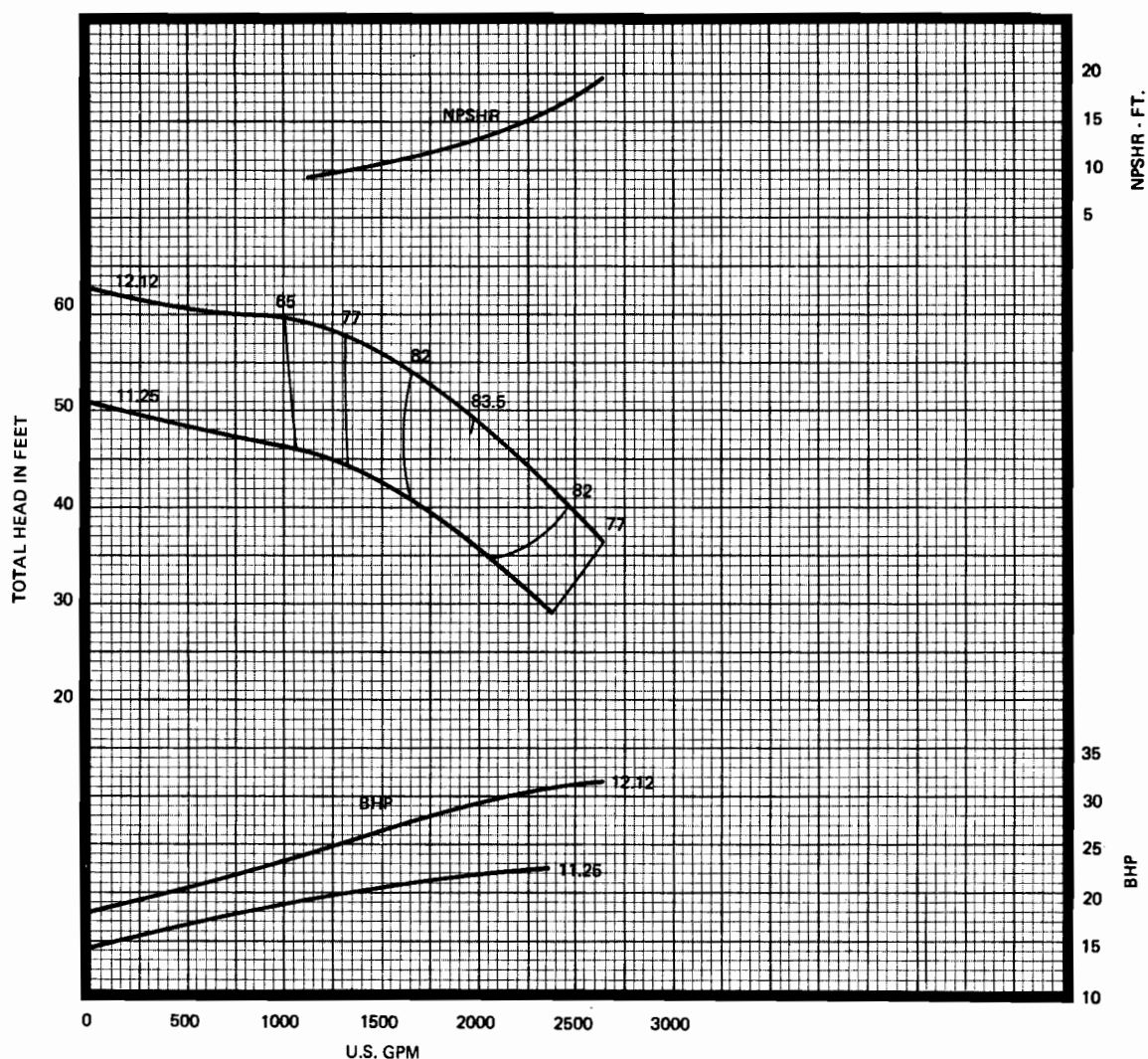


VERTICAL TURBINE PUMPS SINGLE STAGE PERFORMANCE

**16H
6920**

**1170
RPM**

IMPELLER
T5HC99



EFFICIENCY CORRECTIONS (1)

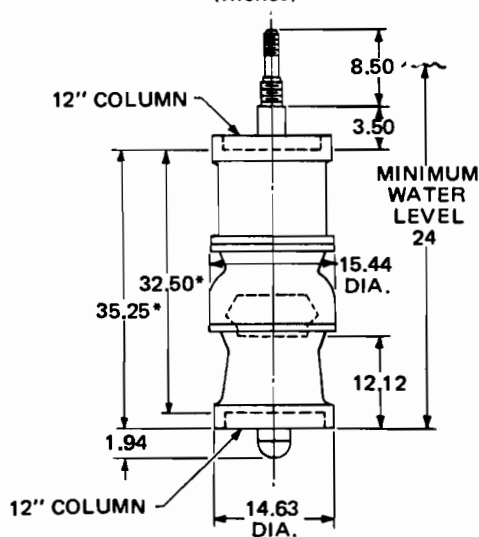
NUMBER OF STAGES	EFFICIENCY CHANGE
1	- 2.0 POINTS
2	- 1.0 POINTS
3	NO CHANGE
4	NO CHANGE
5	NO CHANGE
6 OR MORE	NO CHANGE

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

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

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

DIMENSIONS (Inches)



*Add 12.75 for each additional stage.

TECHNICAL DATA

DATA	VALUE
MAXIMUM OPERATING SPEED	2250 RPM
MAXIMUM NUMBER OF STAGES	15**
PUMP SHAFT DIAMETER	2 ³ / ₁₆ IN.
IMPELLER EYE AREA	47.7 SQ. IN.
MAXIMUM SPHERE SIZE	1.00 IN.
K _t (THRUST FACTOR)	17 LBS./FT.
K _a (ROTOR WT. PER STAGE)	37.3 LBS.
BOWL WT. (FIRST STAGE)	600 LBS.
BOWL WT. (EACH ADD'L. STAGE)	300 LBS.
ALLOWABLE SHAFT STRETCH	.81 IN.**
WK ² (FIRST STAGE)	7.26 LBS. - FT. ²
WK ² (EACH ADD'L. STAGE)	7.10 LBS. - FT. ²
BOWL RING CLEARANCE	.012/.017 IN.

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