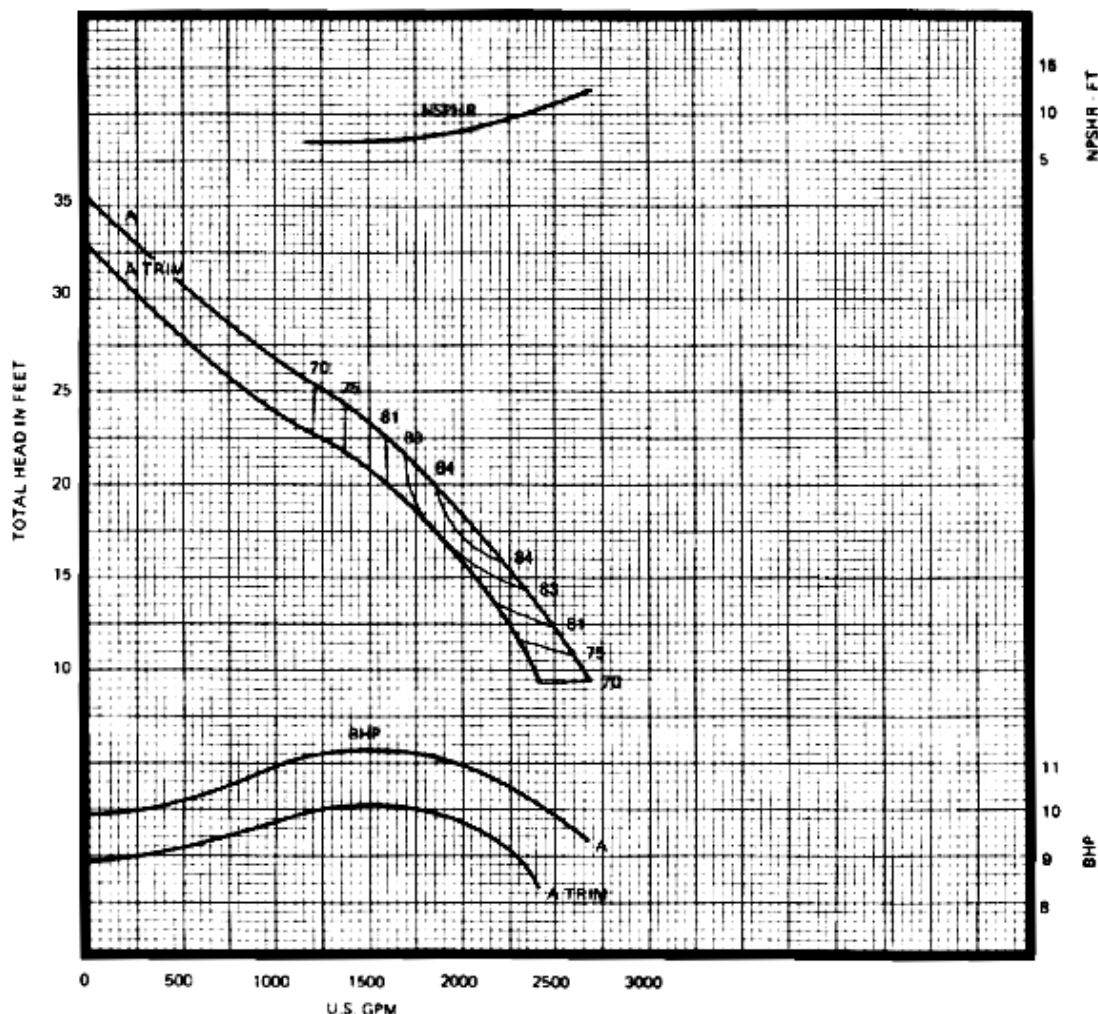


VERTICAL TURBINE PUMPS SINGLE STAGE PERFORMANCE

**20MC
6970**

**705
RPM**

IMPELLER
T3LA92



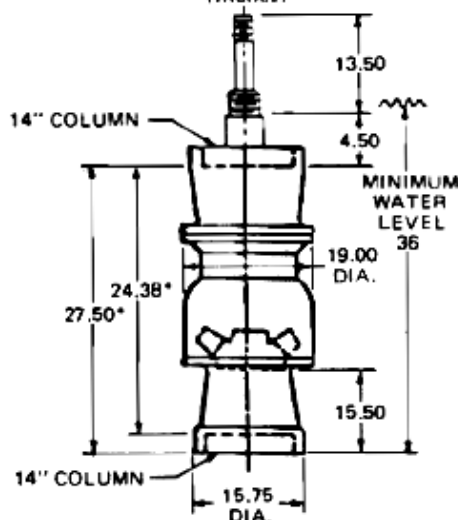
EFFICIENCY CORRECTIONS (1)

NUMBER OF STAGES	EFFICIENCY CHANGE
1	-4.0 POINTS
2	-2.0 POINTS
3	-1.0 POINTS
4	NO CHANGE
5	NO CHANGE
6 OR MORE	NO CHANGE

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

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

DIMENSIONS (Inches)



*Add 13.00 for each additional stage.

TECHNICAL DATA

DATA	VALUE
MAXIMUM OPERATING SPEED	1200 RPM
MAXIMUM NUMBER OF STAGES	16**
PUMP SHAFT DIAMETER	2 1/2 IN.
IMPELLER EYE AREA	73.9 SQ. IN.
MAXIMUM SPHERE SIZE	1.25 IN.
K ₁ (THRUST FACTOR)	39 LBS./FT.
K ₂ (ROTOR WT. PER STAGE)	55 LBS.
BOWL WT. (FIRST STAGE)	835 LBS.
BOWL WT. (EACH ADD'L STAGE)	500 LBS.
ALLOWABLE SHAFT STRETCH	.44 IN.**
WK ² (FIRST STAGE)	14.70 LBS.-FT. ²
WK ² (EACH ADD'L STAGE)	9.20 LBS.-FT. ²
BOWL RING CLEARANCE	NA

**These are nominal values. Refer to selection data for information further limiting or extending these values.

(1) Refer to selection data for head correction.