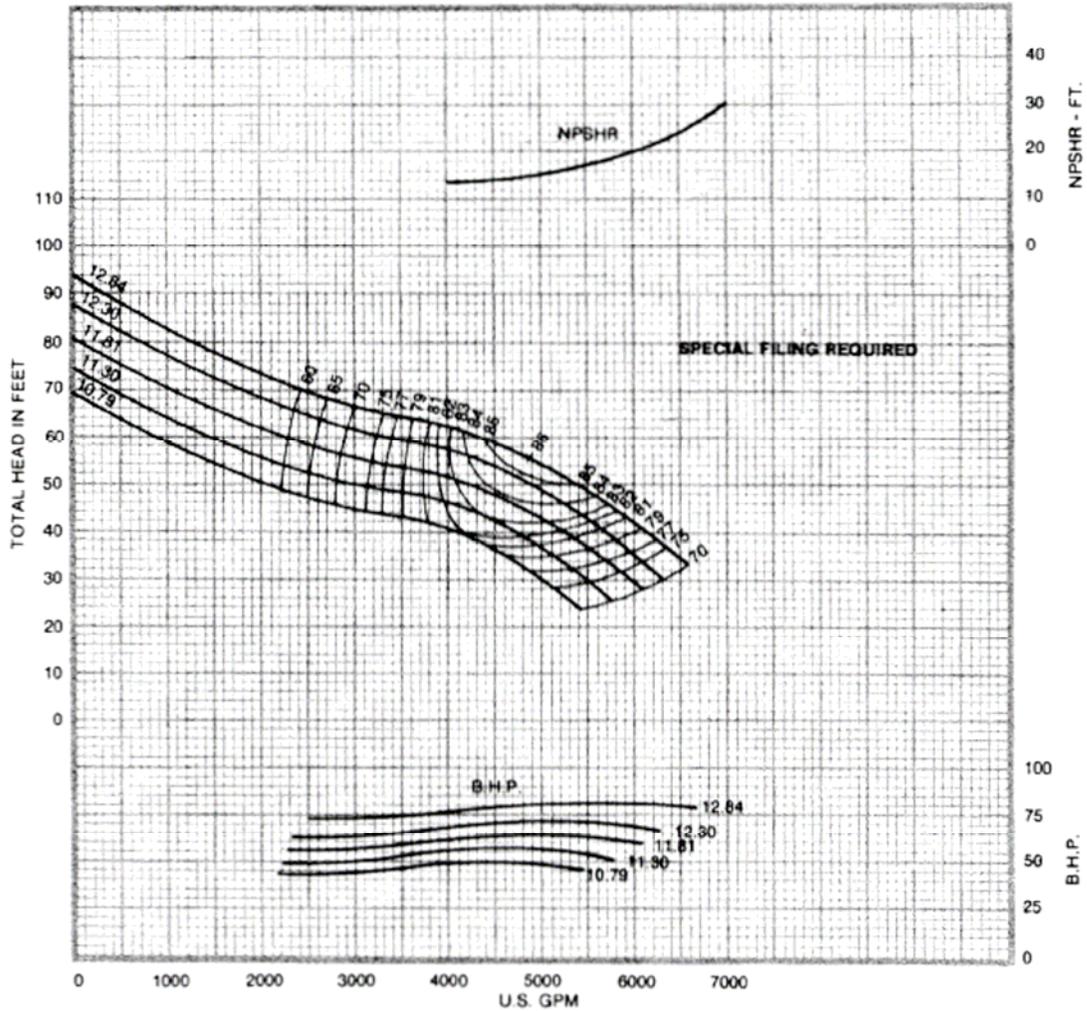


## VERTICAL TURBINE PUMPS PERFORMANCE 21H @ 1170 RPM



### EFFICIENCY CORRECTIONS (1)

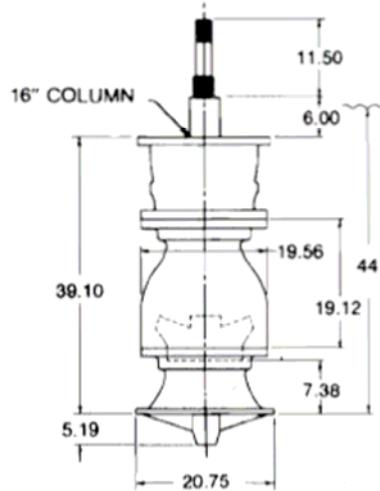
NUMBER OF STAGES	EFFICIENCY CHANGE
1	-2.5 POINTS
2	-1.5 POINTS
3	-0.5 POINTS
4	NO CHANGE
5	NO CHANGE
6	NO CHANGE

BOWL MATERIAL	EFFICIENCY CHANGE
CAST IRON	-2.0 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 selection data for head correction.

### DIMENSIONS (Inches)



Add 19.12 for each additional stage.

### TECHNICAL DATA

DATA	VALUE
MAXIMUM OPERATING SPEED	1800 RPM
MAXIMUM NUMBER OF STAGES	5
IMPELLER SHAFT DIAMETER	2.4375 IN.
IMPELLER EYE AREA	77.5 SQ. IN.
MAXIMUM SPHERE SIZE	1.62 IN.
$K_1$ (THRUST FACTOR)	42.92 LBS./FT.
$K_2$ (ROTOR WT. PER STAGE)	88 LBS.
BOWL WT. (FIRST STAGE)	900 LBS.
BOWL WT. (EACH ADD'L. STAGE)	435 LBS.
ALLOWABLE SHAFT STRETCH	.94 IN.
WK <sup>2</sup> (FIRST STAGE)	16.53 LBS. - FT. <sup>2</sup>
WK <sup>2</sup> (EACH ADD'L. STAGE)	16.76 LBS. - FT. <sup>2</sup>
BOWL RING CLEARANCE	.022/.028 IN.

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