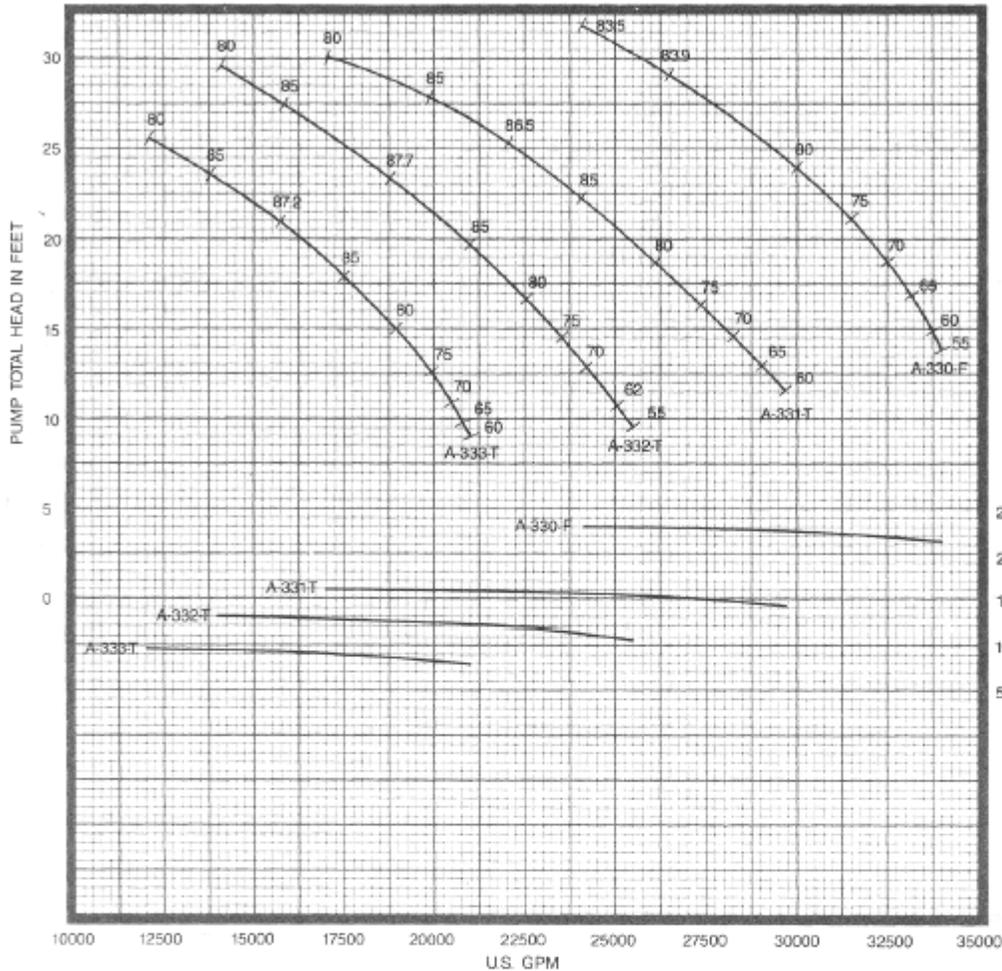


8000 PROPELLER PUMPS  
PUMP PERFORMANCE



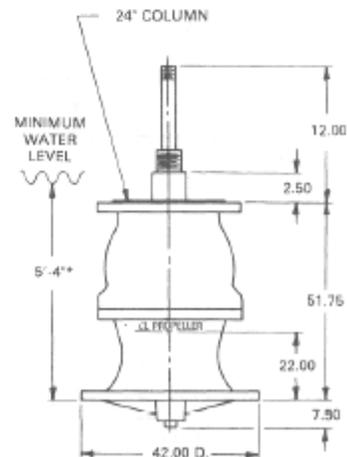
**30"**  
**8312**  
**580**  
**RPM**  
**1**  
**STAGE**

30"  
COLUMN  
30"  
FABRICATED  
STEEL ELBOW  
2-7/16"  
LINESHAFT  
3-1/2"  
ENCLOSING  
TUBE

DATA	VALUE
PUMP SHAFT DIAMETER	2.9375 IN.
MAXIMUM SPHERE SIZE	4.50 IN.
K <sub>t</sub> (THRUST FACTOR)	185 LBS./FT.
K <sub>a</sub> (TOTAL ROTOR WEIGHT)	310 LBS.
K <sub>s</sub> (SETTING CONSTANT)	15.9 LBS./FT.
WK <sup>2</sup>	195 LBS.-FT. <sup>2</sup>
BOWL ASSEMBLY WEIGHT	2500 LBS.
EYE AREA: PROPELLER NO. A-330-F	367.8 SQ. IN. 4 VANE
PROPELLER NO. A-331-T	367.8 SQ. IN. 3 VANE
PROPELLER NO. A-332-T	367.8 SQ. IN. 3 VANE
PROPELLER NO. A-333-T	367.8 SQ. IN. 3 VANE
PROPELLER NO.	
PROPELLER NO.	

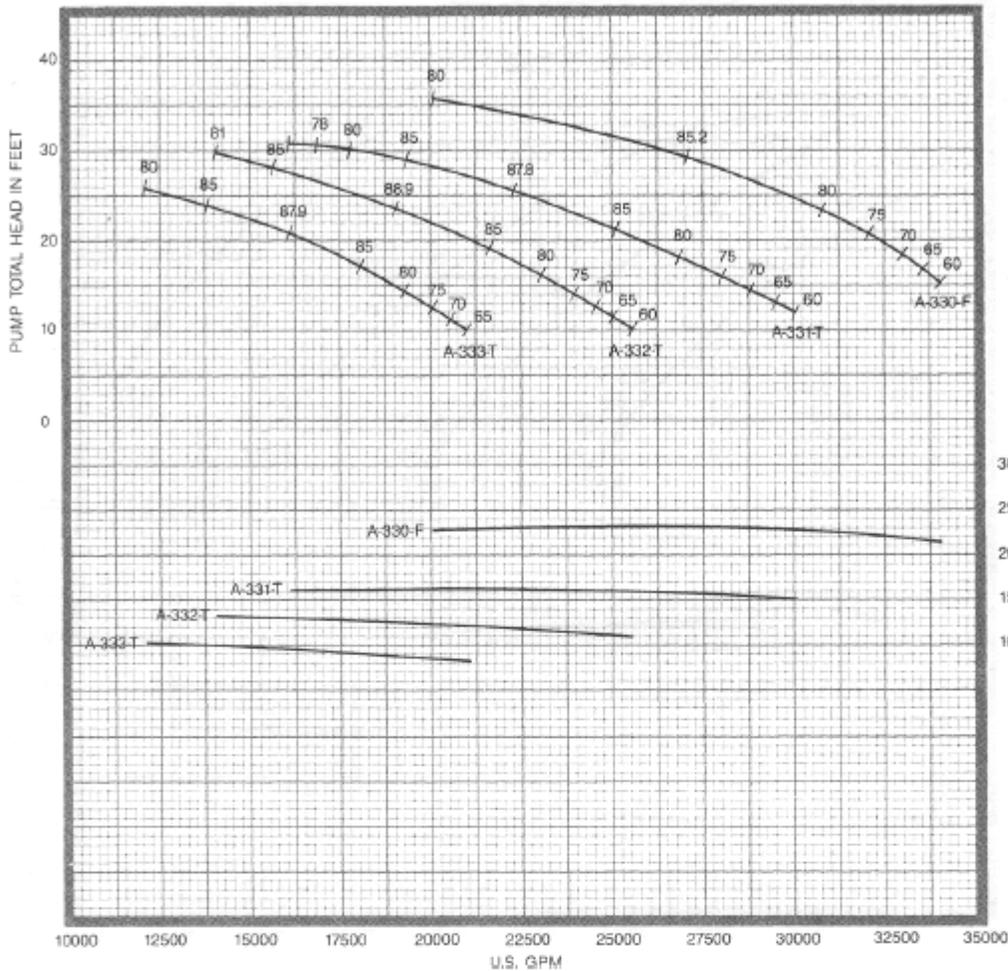
HYDRAULIC PERFORMANCE IS CONTINGENT ON FURNISHING THE PUMP WITH SPECIFIED AMOUNT OF CLEAR, FRESH, NON-AERATED WATER NOT TO EXCEED 85° F.

PUMP PERFORMANCE SHOWN IS BOWL ASSEMBLY WITH 10 FEET OF COLUMN INCLUDING A STANDARD ABOVE GROUND DISCHARGE ELBOW. ADDITIONAL COLUMN LOSSES SHOULD BE ADDED WHEN SETTINGS ARE DEEPER THAN 10 FEET AND/OR FOR OTHER DISCHARGE ARRANGEMENTS.



\*This value is the minimum submergence required to prevent vortexing only. This value may need to be increased to provide adequate NPSHA.

8000 PROPELLER PUMPS  
PUMP PERFORMANCE



**30"**  
**8312**

**580**  
**RPM**

**1**  
**STAGE**

36"  
COLUMN

36"  
FABRICATED  
STEEL ELBOW

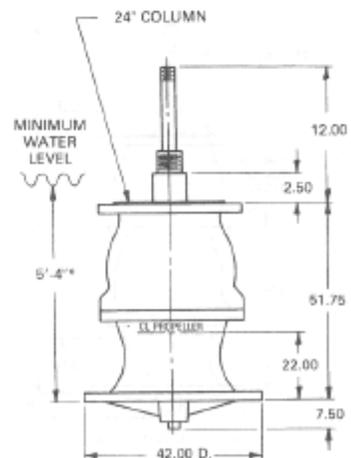
2-7/16"  
LINESHAFT

3-1/2"  
ENCLOSING  
TUBE

DATA	VALUE
PUMP SHAFT DIAMETER	2.9375 IN.
MAXIMUM SPHERE SIZE	4.50 IN.
K <sub>t</sub> (THRUST FACTOR)	195 LBS./FT.
K <sub>a</sub> (TOTAL ROTOR WEIGHT)	310 LBS.
K <sub>s</sub> (SETTING CONSTANT)	15.9 LBS./FT.
WK <sup>2</sup>	195 LBS.-FT. <sup>2</sup>
BOWL ASSEMBLY WEIGHT	2500 LBS.
EYE AREA: PROPELLER NO. A-330-F	367.8 SQ. IN. 4 VANE
PROPELLER NO. A-331-T	367.8 SQ. IN. 3 VANE
PROPELLER NO. A-332-T	367.8 SQ. IN. 3 VANE
PROPELLER NO. A-333-T	367.8 SQ. IN. 3 VANE
PROPELLER NO.	
PROPELLER NO.	

HYDRAULIC PERFORMANCE IS CONTINGENT ON FURNISHING THE PUMP WITH SPECIFIED AMOUNT OF CLEAR, FRESH, NON-AERATED WATER NOT TO EXCEED 85° F.

PUMP PERFORMANCE SHOWN IS BOWL ASSEMBLY WITH 10 FEET OF COLUMN INCLUDING A STANDARD ABOVE GROUND DISCHARGE ELBOW. ADDITIONAL COLUMN LOSSES SHOULD BE ADDED WHEN SETTINGS ARE DEEPER THAN 10 FEET AND/OR FOR OTHER DISCHARGE ARRANGEMENTS.

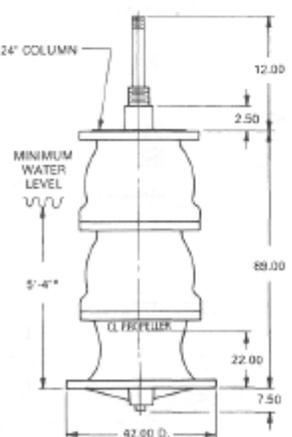
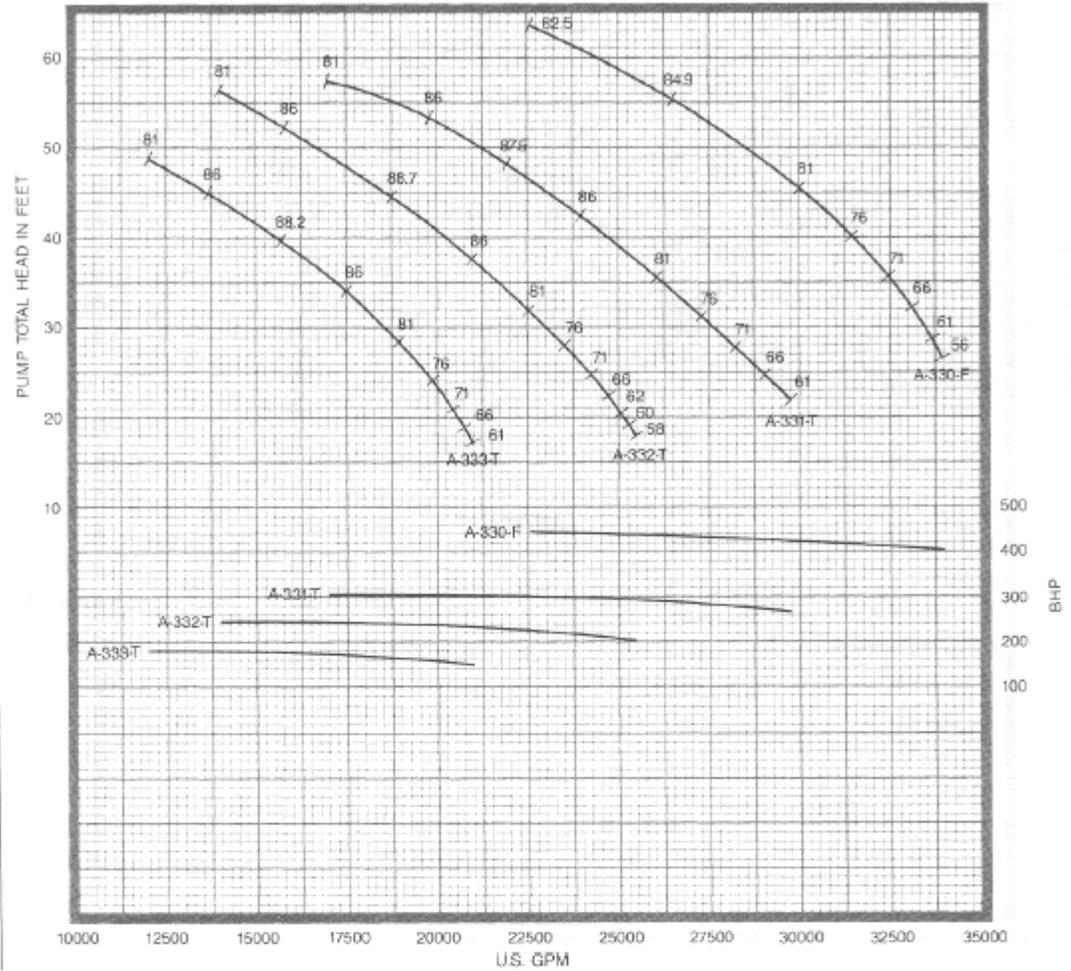


\*This value is the minimum submergence required to prevent vortexing only. This value may need to be increased to provide adequate NPSHA.

8000 PROPELLER PUMPS  
PUMP PERFORMANCE

30"  
8312  
580  
RPM  
2  
STAGE

30"  
COLUMN  
30"  
FABRICATED  
STEEL ELBOW  
2-15/16"  
LINESHAFT  
5"  
ENCLOSING  
TUBE



DATA	VALUE
PUMP SHAFT DIAMETER	2.9375 IN.
MAXIMUM SPHERE SIZE	4.50 IN.
K <sub>t</sub> (THRUST FACTOR)	185 LBS./FT.
K <sub>a</sub> (TOTAL ROTOR WEIGHT)	620 LBS.
K <sub>s</sub> (SETTING CONSTANT)	23.0 LBS./FT.
WK <sup>2</sup>	390 LBS.-FT. <sup>2</sup>
BOWL ASSEMBLY WEIGHT	4300 LBS.
EYE AREA: PROPELLER NO. A-330-F	367.8 SQ. IN. 4 VANE
PROPELLER NO. A-331-T	367.8 SQ. IN. 3 VANE
PROPELLER NO. A-332-T	367.8 SQ. IN. 3 VANE
PROPELLER NO. A-333-T	367.8 SQ. IN. 3 VANE
PROPELLER NO.	
PROPELLER NO.	

HYDRAULIC PERFORMANCE IS CONTINGENT ON FURNISHING THE PUMP WITH SPECIFIED AMOUNT OF CLEAR, FRESH, NON-AERATED WATER NOT TO EXCEED 85° F.

PUMP PERFORMANCE SHOWN IS BOWL ASSEMBLY WITH 10 FEET OF COLUMN INCLUDING A STANDARD ABOVE GROUND DISCHARGE ELBOW. ADDITIONAL COLUMN LOSSES SHOULD BE ADDED WHEN SETTINGS ARE DEEPER THAN 10 FEET AND/OR FOR OTHER DISCHARGE ARRANGEMENTS.

\*This value is the minimum submergence required to prevent vortexing only. This value may need to be increased to provide adequate NPSHA.