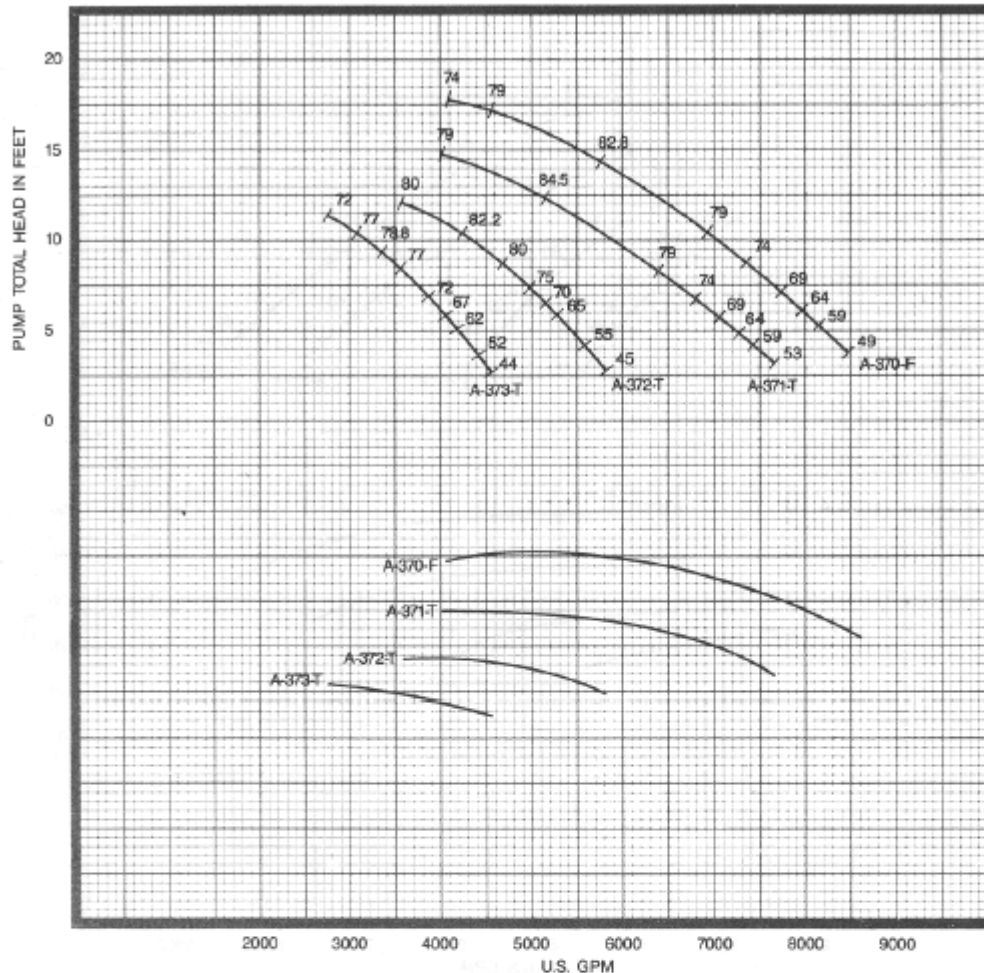


8000 PROPELLER PUMPS PUMP PERFORMANCE

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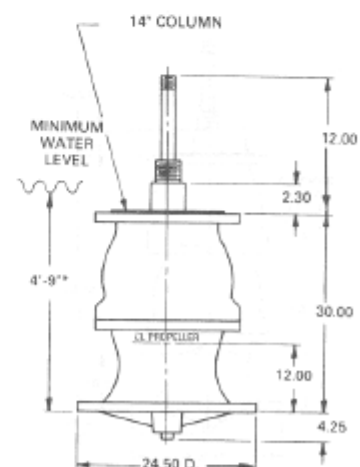
16"
8312
705
RPM
1
STAGE

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

DATA	VALUE
PUMP SHAFT DIAMETER	1.6875 IN.
MAXIMUM SPHERE SIZE	2.63 IN.
K _t (THRUST FACTOR)	62 LBS./FT.
K _a (TOTAL ROTOR WEIGHT)	66 LBS.
K _s (SETTING CONSTANT)	5.5 LBS./FT.
WK ²	14 LBS.-FT. ²
BOWL ASSEMBLY WEIGHT	625 LBS.
EYE AREA: PROPELLER NO. A-372-T	124.0 SQ. IN. 3 VANE
PROPELLER NO. A-373-T	124.0 SQ. IN. 3 VANE
PROPELLER NO. A-370-F	124.0 SQ. IN. 4 VANE
PROPELLER NO. A-371-T	124.0 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.

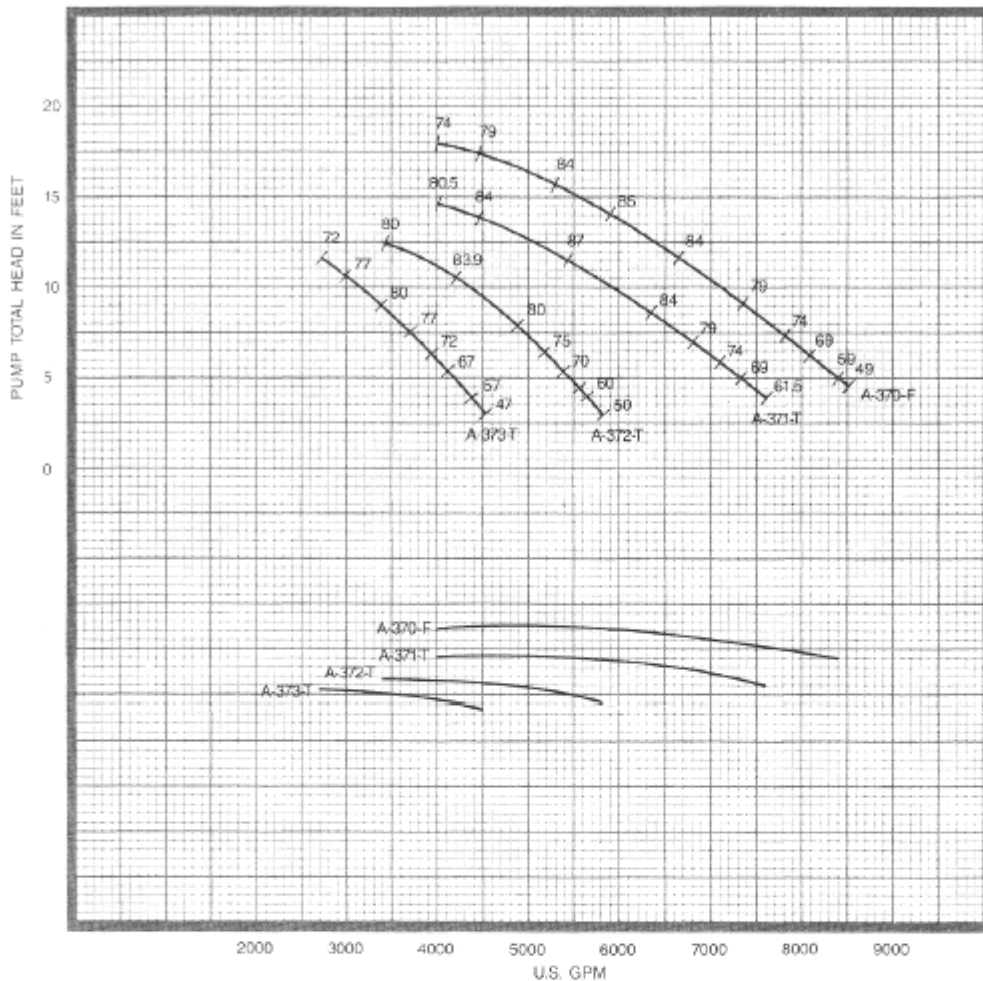
PUMP PERFORMANCE SHOWN IS BOWL ASSEMBLY WITH 10 FEET OF COLUMN INCLUDING A STANDARD ABOVE GROUND DISCHARGE ELBOW. ADDITIONAL COLUMN LOSSES SHOULD BE ADDED WHEN SETTINGS ARE DEEPER THAN 10 FEET AND/OR FOR OTHER DISCHARGE ARRANGEMENTS.



* 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

399



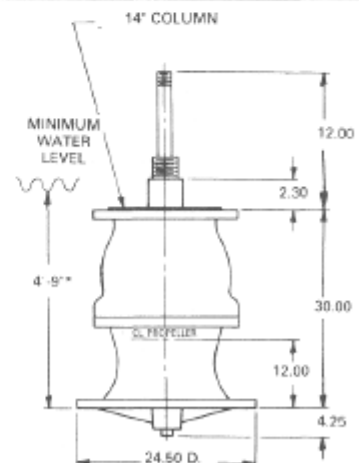
16"
8312
705
RPM
1
STAGE

20"
COLUMN
20"
FABRICATED
STEEL ELBOW
1-1/2"
LINESHAFT
2-1/2"
ENCLOSING
TUBE

DATA	VALUE
PUMP SHAFT DIAMETER	1.6875 IN.
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WK ²	14 LBS.-FT. ²
BOWL ASSEMBLY WEIGHT	625 LBS.
EYE AREA: PROPELLER NO. A-372-T	124.0 SQ. IN. 3 VANE
PROPELLER NO. A-373-T	124.0 SQ. IN. 3 VANE
PROPELLER NO. A-370-F	124.0 SQ. IN. 4 VANE
PROPELLER NO. A-371-T	124.0 SQ. IN. 3 VANE
PROPELLER NO.	
PROPELLER NO.	

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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.



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8000 PROPELLER PUMPS PUMP PERFORMANCE

398

16"
8312

705
RPM

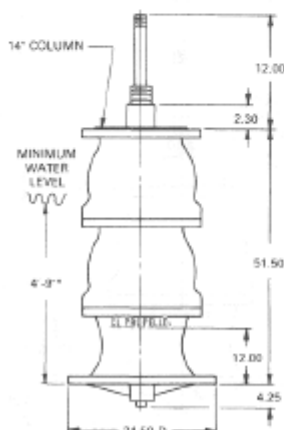
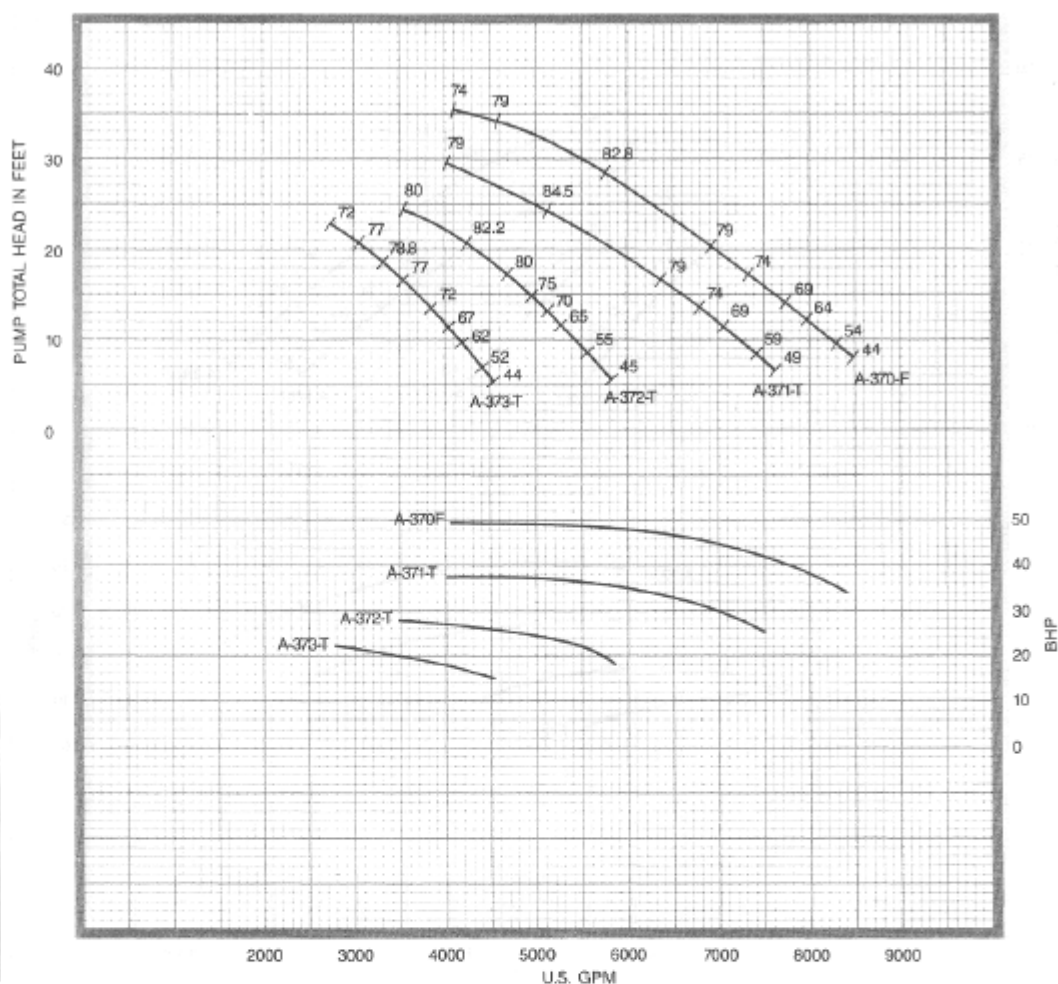
2
STAGE

16"
COLUMN

16"
FABRICATED
STEEL ELBOW

1-11/16"
LINESHAFT

2-1/2"
ENCLOSING
TUBE



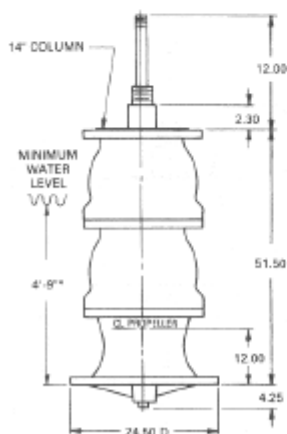
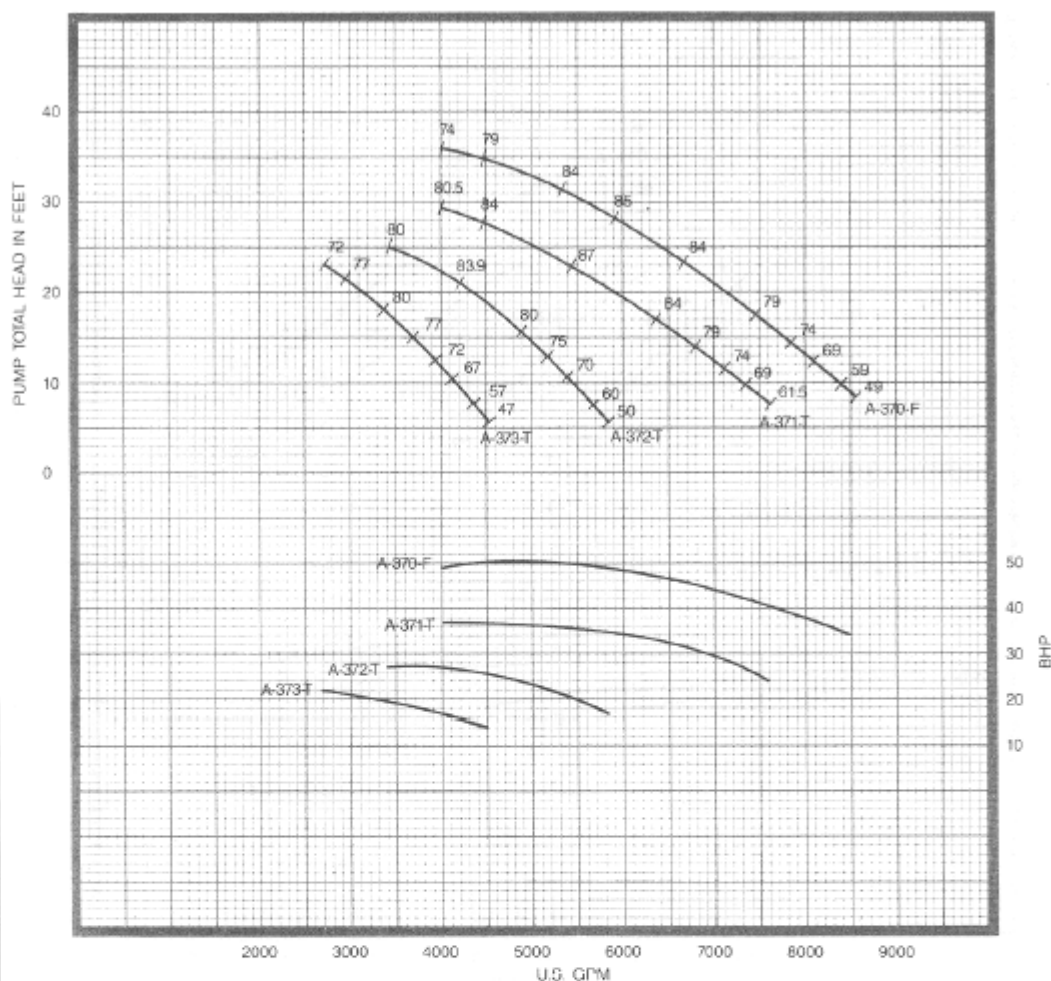
*This value is the minimum submergence required to prevent vortexing only. This value may need to be increased to provide adequate NPSHA.

DATA	VALUE
PUMP SHAFT DIAMETER	1.6875 IN.
MAXIMUM SPHERE SIZE	2.63 IN.
K _t (THRUST FACTOR)	62 LBS./FT.
K _a (TOTAL ROTOR WEIGHT)	132 LBS.
K _s (SETTING CONSTANT)	7.6 LBS./FT.
WK ²	28 LBS.-FT. ²
BOWL ASSEMBLY WEIGHT	1025 LBS.
EYE AREA: PROPELLER NO. A-372-T	124.0 SQ. IN. 3 VANE
PROPELLER NO. A-373-T	124.0 SQ. IN. 3 VANE
PROPELLER NO. A-370-F	124.0 SQ. IN. 4 VANE
PROPELLER NO. A-371-T	124.0 SQ. IN. 3 VANE
PROPELLER NO.	
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20"
COLUMN
20"
FABRICATED
STEEL ELBOW
1-11/16"
LINESHAFT
2-1/2"
ENCLOSING
TUBE



DATA	VALUE
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PROPELLER NO. A-371-T	124.0 SQ. IN. 3 VANE
PROPELLER NO.	
PROPELLER NO.	

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