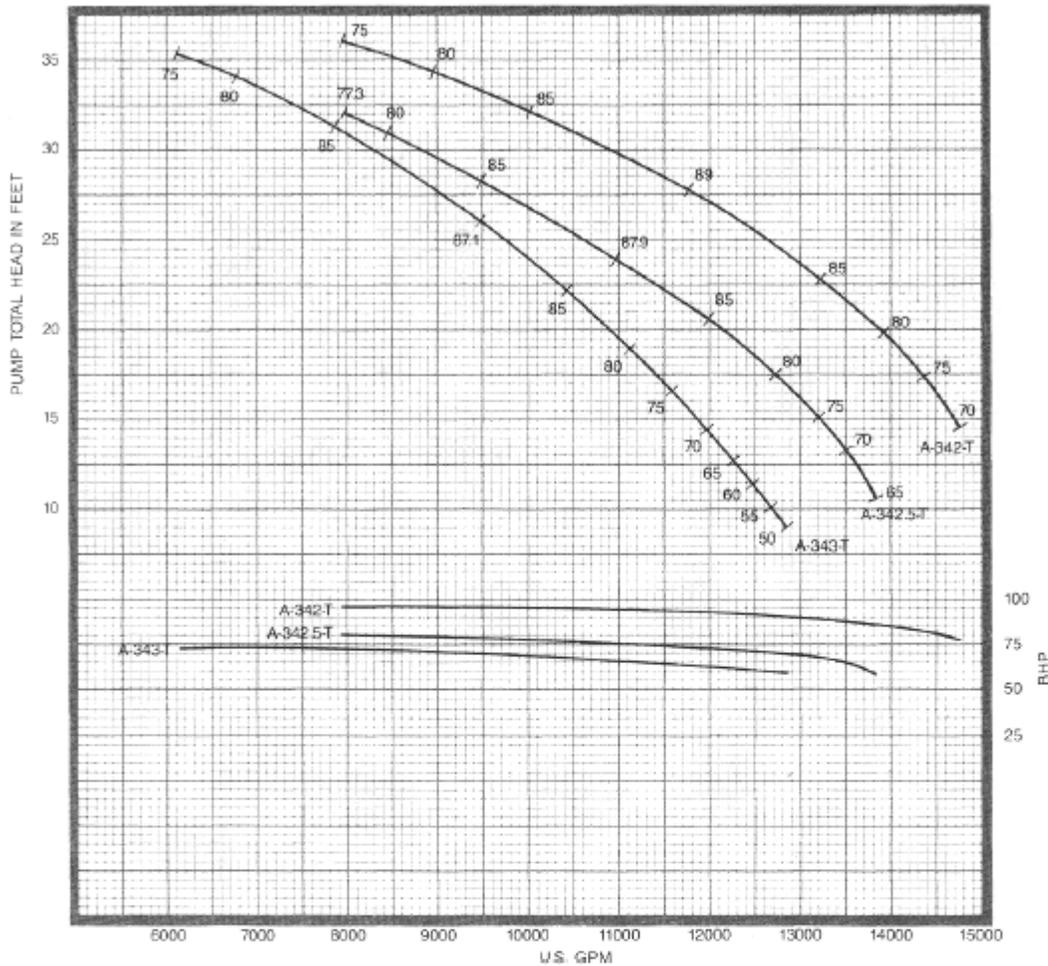


8000 PROPELLER PUMPS
PUMP PERFORMANCE



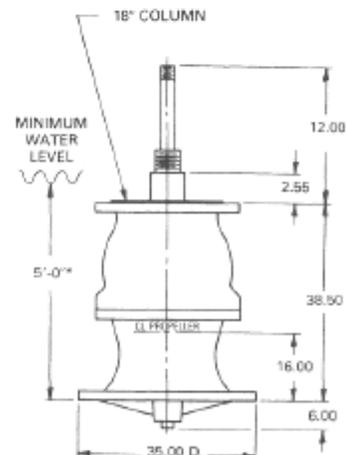
20"
8312
880
RPM
1
STAGE

20"
COLUMN
20"
FABRICATED
STEEL ELBOW
1-11/16"
LINESHAFT
2-1/2"
ENCLOSING
TUBE

DATA	VALUE
PUMP SHAFT DIAMETER	1.9375 IN.
MAXIMUM SPHERE SIZE	3.38 IN.
K_t (THRUST FACTOR)	101 LBS./FT.
K_a (TOTAL ROTOR WEIGHT)	125 LBS.
K_s (SETTING CONSTANT)	7.6 LBS./FT.
WK^2	43 LBS.-FT. ²
BOWL ASSEMBLY WEIGHT	1300 LBS.
EYE AREA: PROPELLER NO. A-342-T	203.0 SQ. IN. 3 VANE
PROPELLER NO. A-342.5-T	203.0 SQ. IN. 3 VANE
PROPELLER NO. A-343-T	203.0 SQ. IN. 3 VANE
PROPELLER NO.	
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.



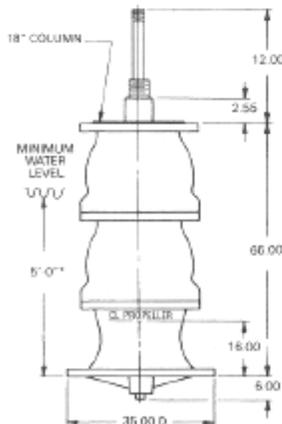
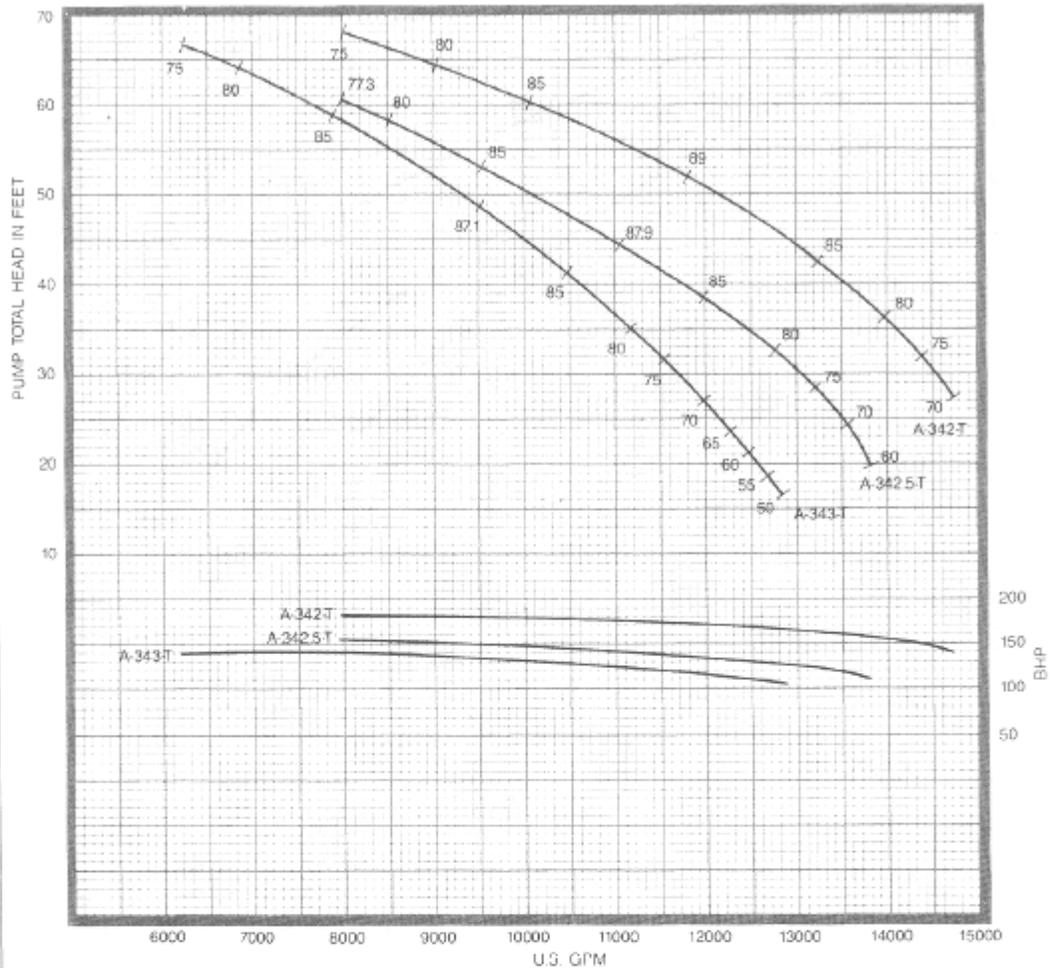
*This value is the minimum submergence required to prevent vortexing only. This value may need to be increased to provide adequate NPSHA.

8000 PROPELLER PUMPS
PUMP PERFORMANCE

390

20"
8312
880
RPM
2
STAGE

20"
COLUMN
20"
FABRICATED
STEEL ELBOW
1-15/16"
LINESHAFT
3"
ENCLOSING
TUBE



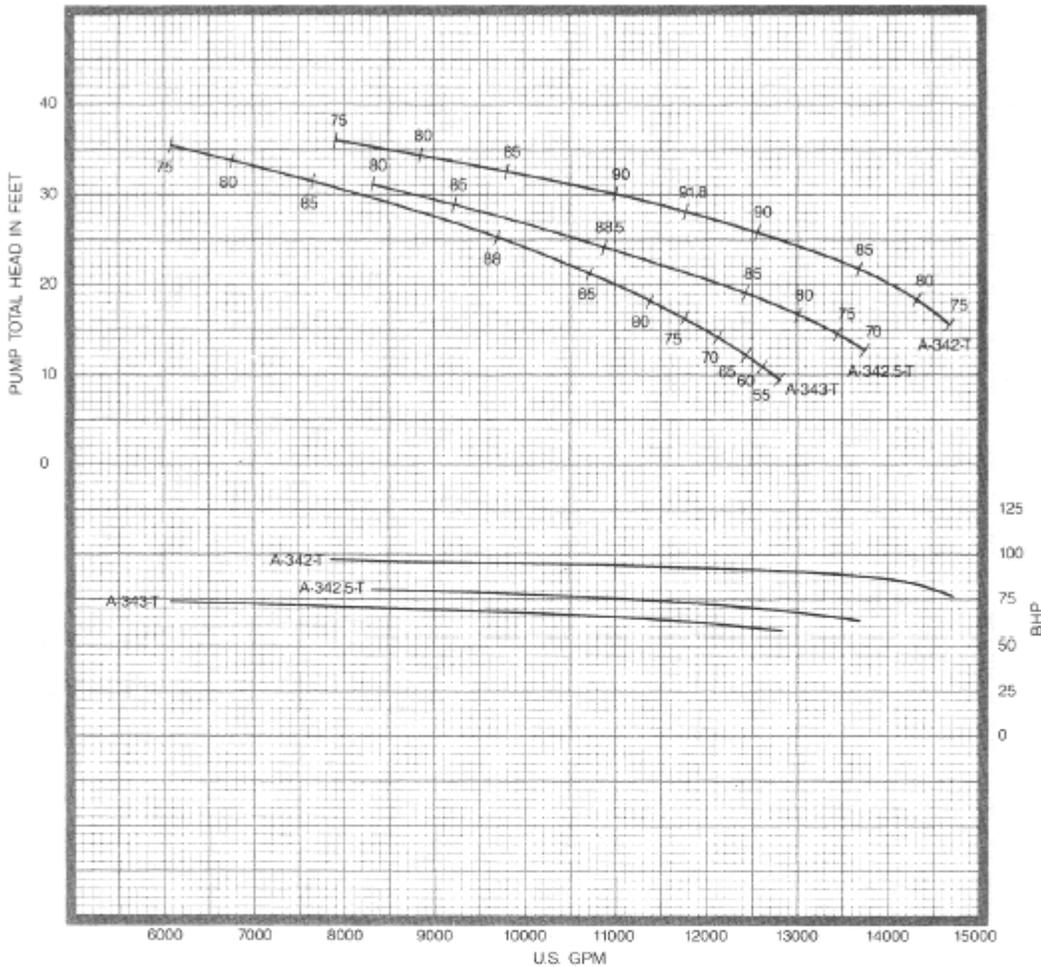
*This value is the minimum submergence required to prevent vortexing only. This value may need to be increased to provide adequate NPSHA.

DATA	VALUE
PUMP SHAFT DIAMETER	1.9375 IN.
MAXIMUM SPHERE SIZE	3.38 IN.
K _t (THRUST FACTOR)	101 LBS./FT.
K _a (TOTAL ROTOR WEIGHT)	250 LBS.
K _s (SETTING CONSTANT)	10.0 LBS./FT.
WK ²	86 LBS.-FT. ²
BOWL ASSEMBLY WEIGHT	2150 LBS.
EYE AREA: PROPELLER NO. A-342-T	203.0 SQ. IN. 3 VANE
PROPELLER NO. A-342.5-T	203.0 SQ. IN. 3 VANE
PROPELLER NO. A-343-T	203.0 SQ. IN. 3 VANE
PROPELLER NO.	
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 FLOW. ADDITIONAL COLUMN LOSSES SHOULD BE ADDED WHEN SETTINGS ARE DEEPER THAN 10 FEET AND/OR FOR OTHER DISCHARGE ARRANGEMENTS.

8000 PROPELLER PUMPS
PUMP PERFORMANCE



**20"
8312**

**880
RPM**

**1
STAGE**

24"
COLUMN

24"
FABRICATED
STEEL ELBOW

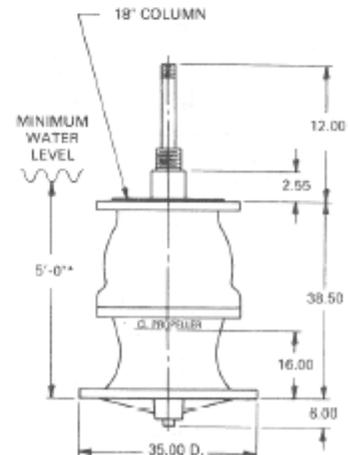
1-11/16"
LINESHAFT

2-1/2"
ENCLOSING
TUBE

DATA	VALUE
PUMP SHAFT DIAMETER	1.9375 IN.
MAXIMUM SPHERE SIZE	3.38 IN.
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PROPELLER NO. A-342.5-T	203.0 SQ. IN. 3 VANE
PROPELLER NO. A-343-T	203.0 SQ. IN. 3 VANE
PROPELLER NO.	
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

392

20"
8312

880
RPM

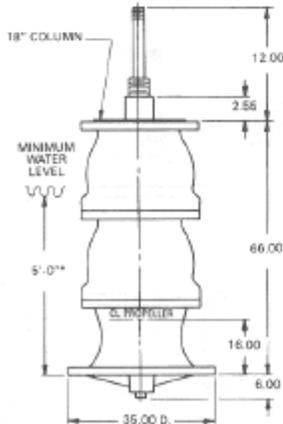
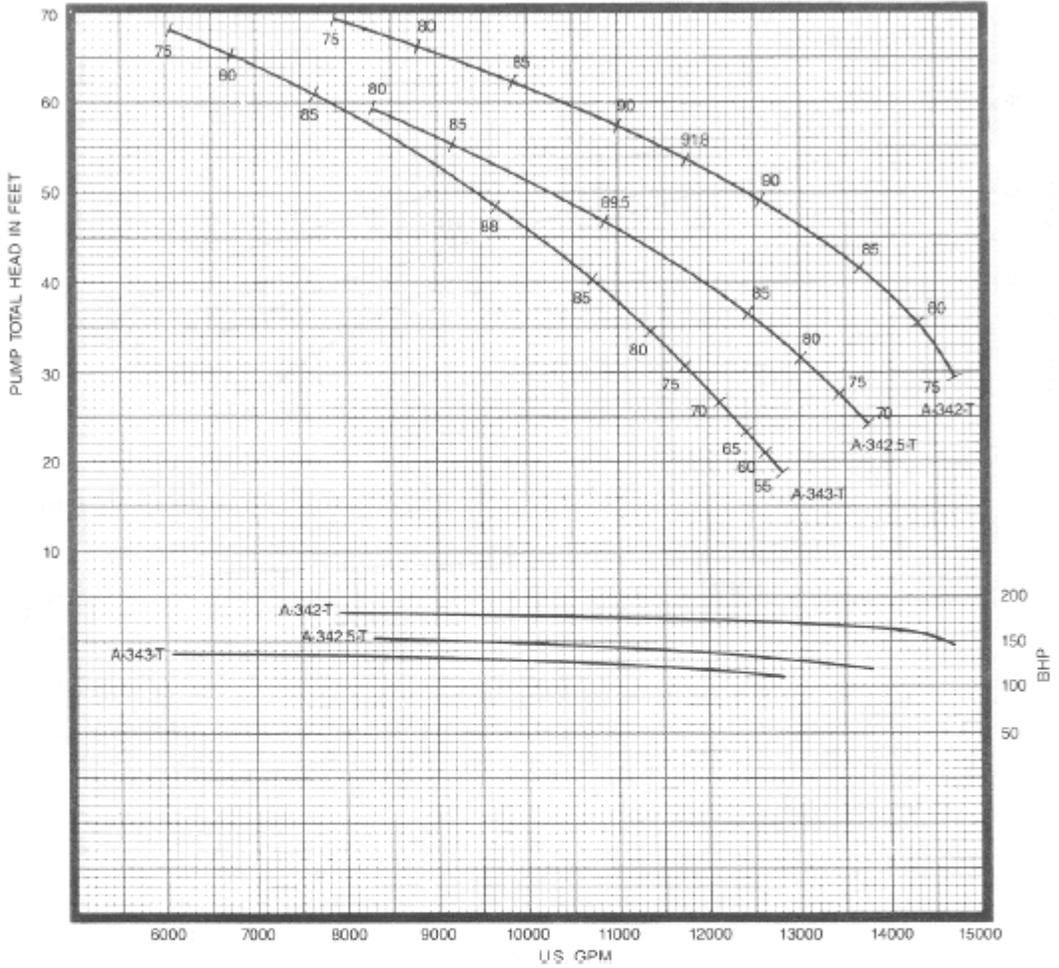
2
STAGE

24"
COLUMN

24"
FABRICATED
STEEL ELBOW

1-15/16"
LINESHAFT

3"
ENCLOSING
TUBE



DATA	VALUE
PUMP SHAFT DIAMETER	1.9375 IN.
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PROPELLER NO.	
PROPELLER NO.	
PROPELLER NO.	

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