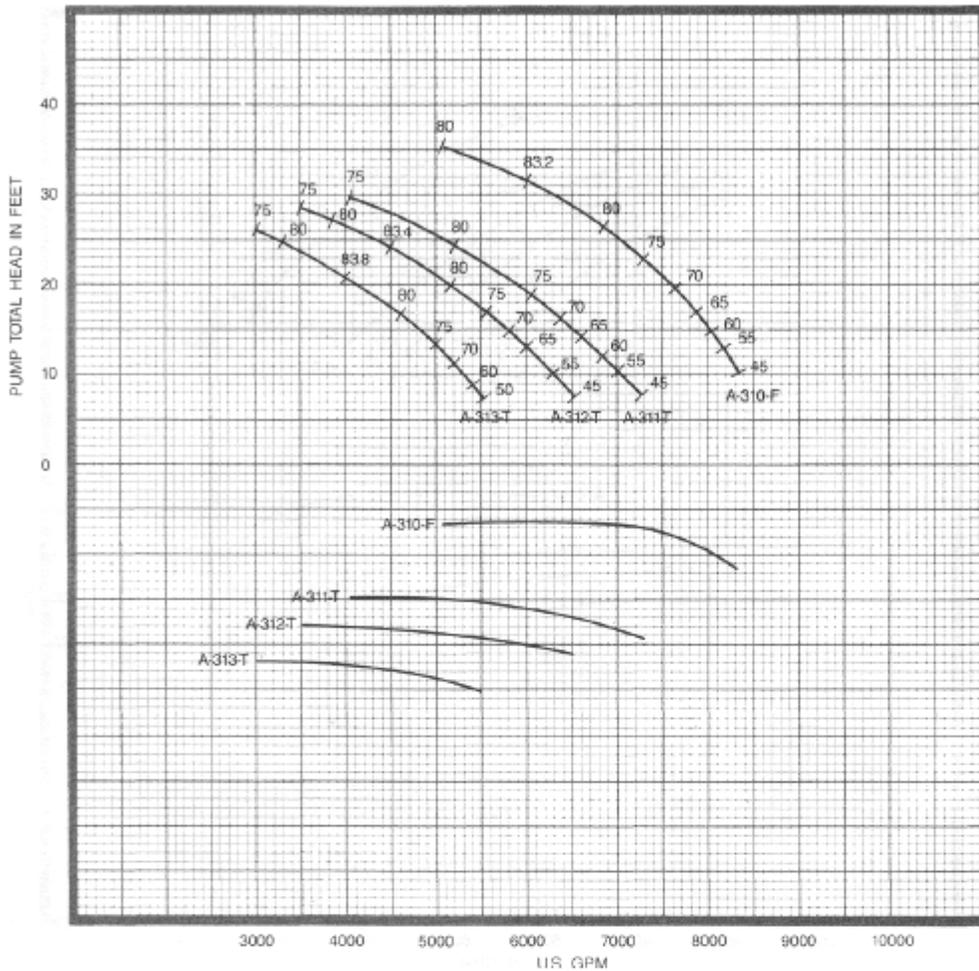


8000 PROPELLER PUMPS
PUMP PERFORMANCE



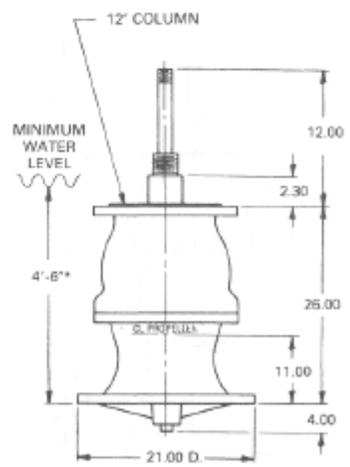
14"
8312
1170
RPM
1
STAGE

14"
COLUMN
14"
CAST IRON
ELBOW
1-1/2"
LINESHAFT
2-1/2"
ENCLOSING
TUBE

DATA	VALUE
PUMP SHAFT DIAMETER	1.6875 IN.
MAXIMUM SPHERE SIZE	2.25 IN.
K _t (THRUST FACTOR)	46 LBS./FT.
K _a (TOTAL ROTOR WEIGHT)	45 LBS.
K _s (SETTING CONSTANT)	5.5 LBS./FT.
WK ²	7.1 LBS.-FT. ²
BOWL ASSEMBLY WEIGHT	595 LBS.
EYE AREA: PROPELLER NO. A-310-F	92.0 SQ. IN. 4 VANE
PROPELLER NO. A-311-T	92.0 SQ. IN. 3 VANE
PROPELLER NO. A-312-T	92.0 SQ. IN. 3 VANE
PROPELLER NO. A-313-T	92.0 SQ. IN. 3 VANE
PROPELLER NO.	
PROPELLER NO.	

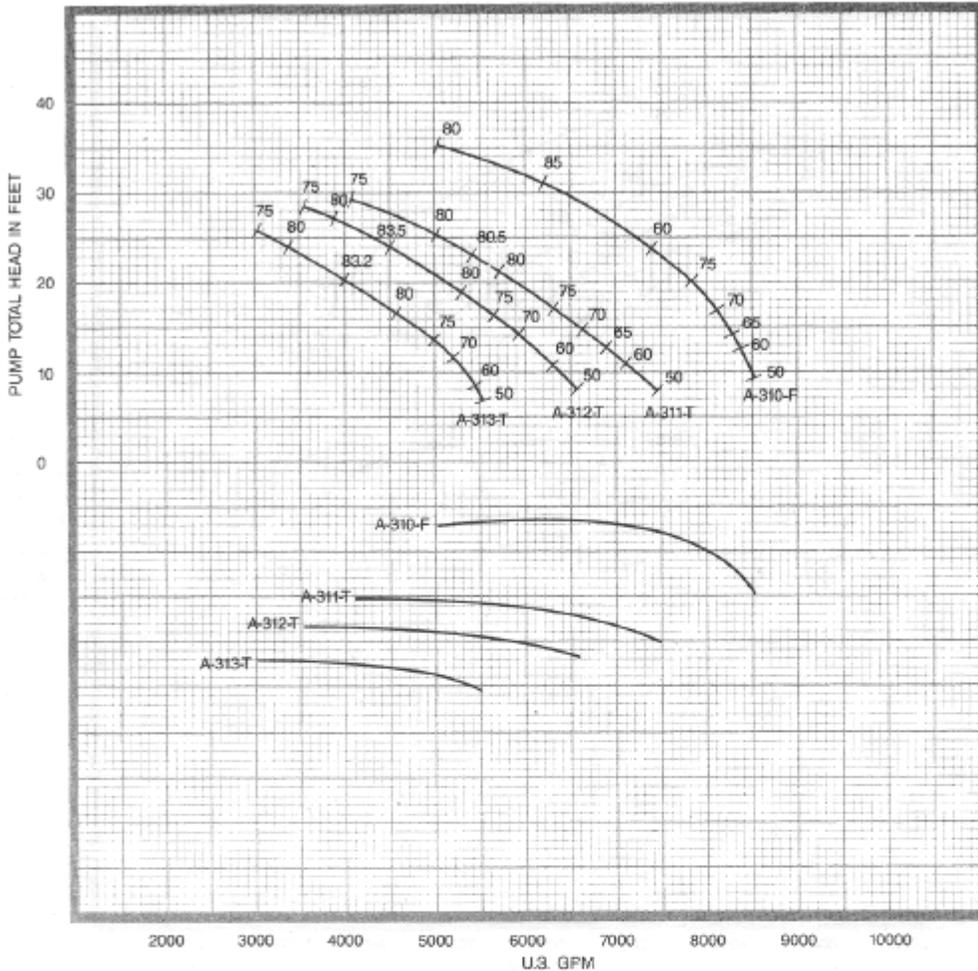
HYDRAULIC PERFORMANCE IS CONTINGENT ON FURNISHING THE PUMP WITH SPECIFIED AMOUNT OF CLEAR, FRESH, NON-AERATED WATER NOT TO EXCEED 85° F.

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



14"
8312
1170
RPM
1
STAGE

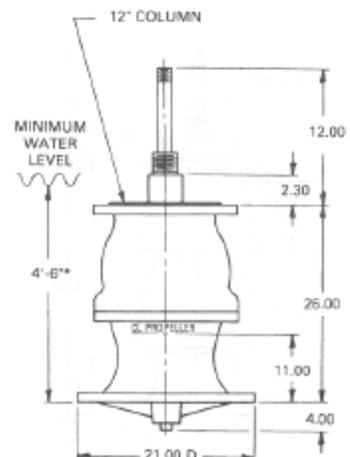
16"
COLUMN
16"
FABRICATED
STEEL ELBOW
1-1/2"
LINESHAFT
2-1/2"
ENCLOSING
TUBE

60
50
40
30
20
BHP

DATA	VALUE
PUMP SHAFT DIAMETER	1.6875 IN.
MAXIMUM SPHERE SIZE	2.25 IN.
K _t (THRUST FACTOR)	46 LBS./FT.
K _a (TOTAL ROTOR WEIGHT)	45 LBS.
K _s (SETTING CONSTANT)	5.5 LBS./FT.
WK ²	7.1 LBS.-FT. ²
BOWL ASSEMBLY WEIGHT	425 LBS.
EYE AREA: PROPELLER NO. A-310-F	92.0 SQ. IN. 4 VANE
PROPELLER NO. A-311-T	92.0 SQ. IN. 3 VANE
PROPELLER NO. A-312-T	92.0 SQ. IN. 3 VANE
PROPELLER NO. A-313-T	92.0 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

366

14"
8312

1170
RPM

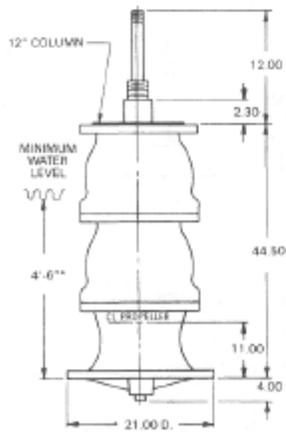
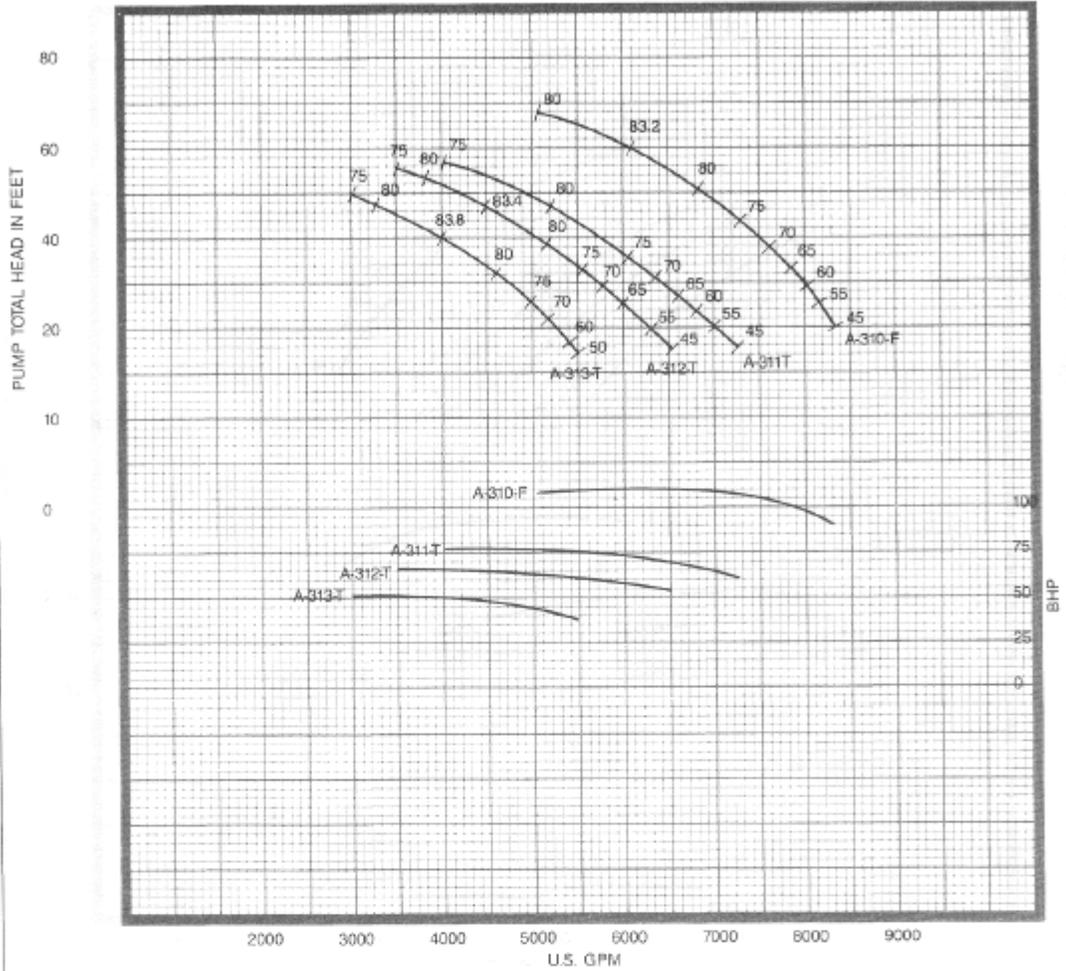
2
STAGE

14"
COLUMN

14"
CAST IRON
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	2.25 IN.
K _t (THRUST FACTOR)	46 LBS./FT.
K _a (TOTAL ROTOR WEIGHT)	90 LBS.
K _s (SETTING CONSTANT)	7.6 LBS./FT.
WK ²	14.2 LBS.-FT. ²
BOWL ASSEMBLY WEIGHT	770 LBS.
EYE AREA: PROPELLER NO. A-310-F	92.0 SQ. IN. 4 VANE
PROPELLER NO. A-311-T	92.0 SQ. IN. 3 VANE
PROPELLER NO. A-312-T	92.0 SQ. IN. 3 VANE
PROPELLER NO. A-313-T	92.0 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.

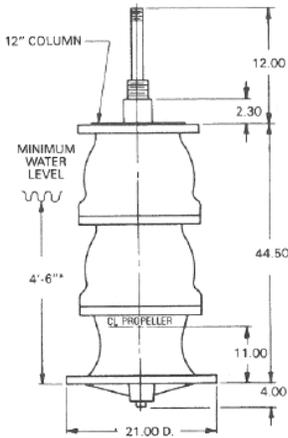
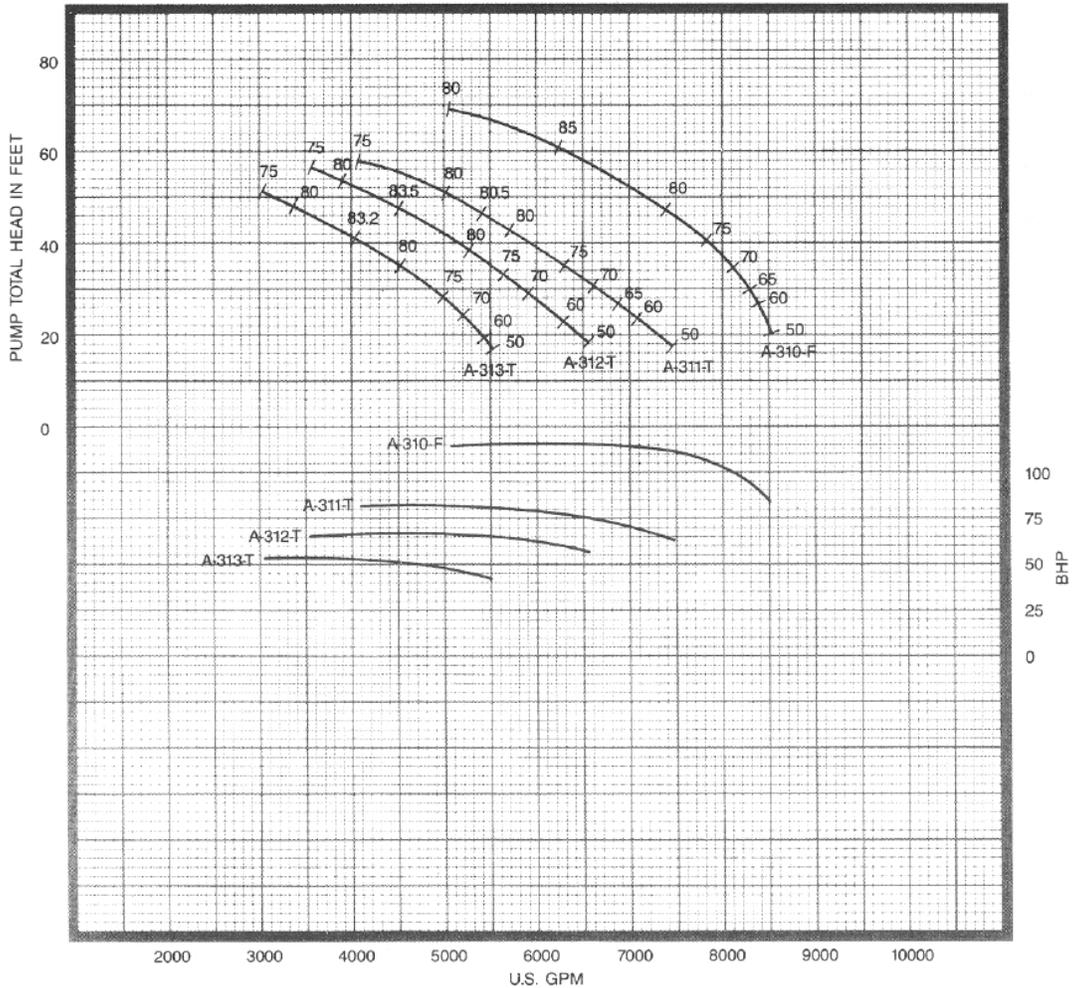
PUMP PERFORMANCE SHOWN IS BOWL ASSEMBLY WITH 10 FEET OF COLUMN INCLUDING A STANDARD ABOVE GROUND DISCHARGE ELBOW. ADDITIONAL COLUMN LOSSES SHOULD BE ADDED WHEN SETTINGS ARE DEEPER THAN 10 FEET AND/OR FOR OTHER DISCHARGE ARRANGEMENTS.

8000 PROPELLER PUMPS
PUMP PERFORMANCE

368

14"
8312
1170
RPM
2
STAGE

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



DATA	VALUE
PUMP SHAFT DIAMETER	1.6875 IN.
MAXIMUM SPHERE SIZE	2.25 IN.
K _t (THRUST FACTOR)	46 LBS./FT.
K _a (TOTAL ROTOR WEIGHT)	90 LBS.
K _s (SETTING CONSTANT)	7.6 LBS./FT.
WK ²	14.2 LBS.-FT. ²
BOWL ASSEMBLY WEIGHT	700 LBS.
EYE AREA: PROPELLER NO. A-310-F	92.0 SQ. IN. 4 VANE
PROPELLER NO. A-311-T	92.0 SQ. IN. 3 VANE
PROPELLER NO. A-312-T	92.0 SQ. IN. 3 VANE
PROPELLER NO. A-313-T	92.0 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.