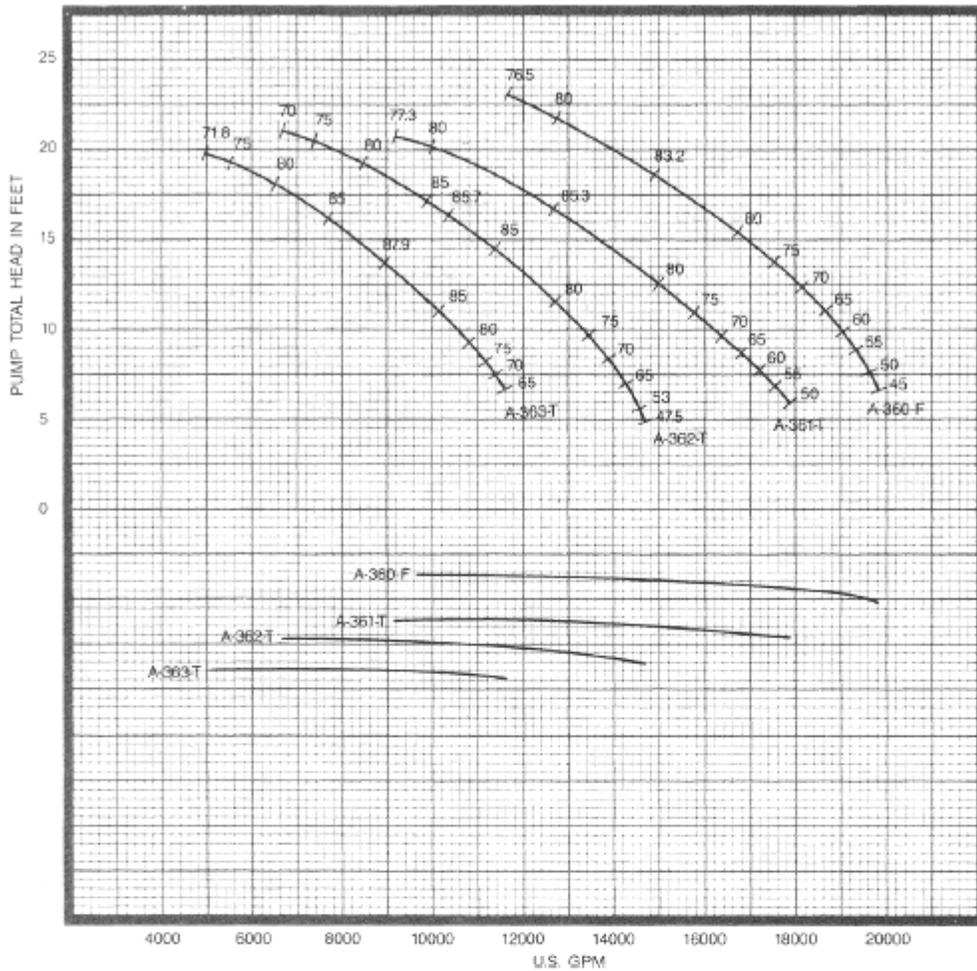


8000 PROPELLER PUMPS
PUMP PERFORMANCE



24"
8312

580
RPM

1
STAGE

24"
COLUMN

24"
FABRICATED
STEEL
ELBOW

2-3/16"
LINESHAFT

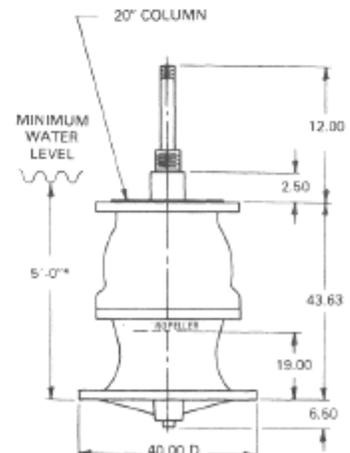
3"
ENCLOSING
TUBE

100
75
50
25
BHP

DATA	VALUE
PUMP SHAFT DIAMETER	2.4375 IN.
MAXIMUM SPHERE SIZE	3.75 IN.
K _t (THRUST FACTOR)	127 LBS./FT.
K _a (TOTAL ROTOR WEIGHT)	175 LBS.
K _s (SETTING CONSTANT)	12.8 LBS./FT.
WK ²	77 LBS.-FT. ²
BOWL ASSEMBLY WEIGHT	1700 LBS.
EYE AREA: PROPELLER NO. A-360-F	256.3 SQ. IN. 4 VANE
PROPELLER NO. A-361-T	256.3 SQ. IN. 3 VANE
PROPELLER NO. A-362-T	256.3 SQ. IN. 3 VANE
PROPELLER NO. A-363-T	256.3 SQ. IN. 3 VANE
PROPELLER NO.	
PROPELLER NO.	

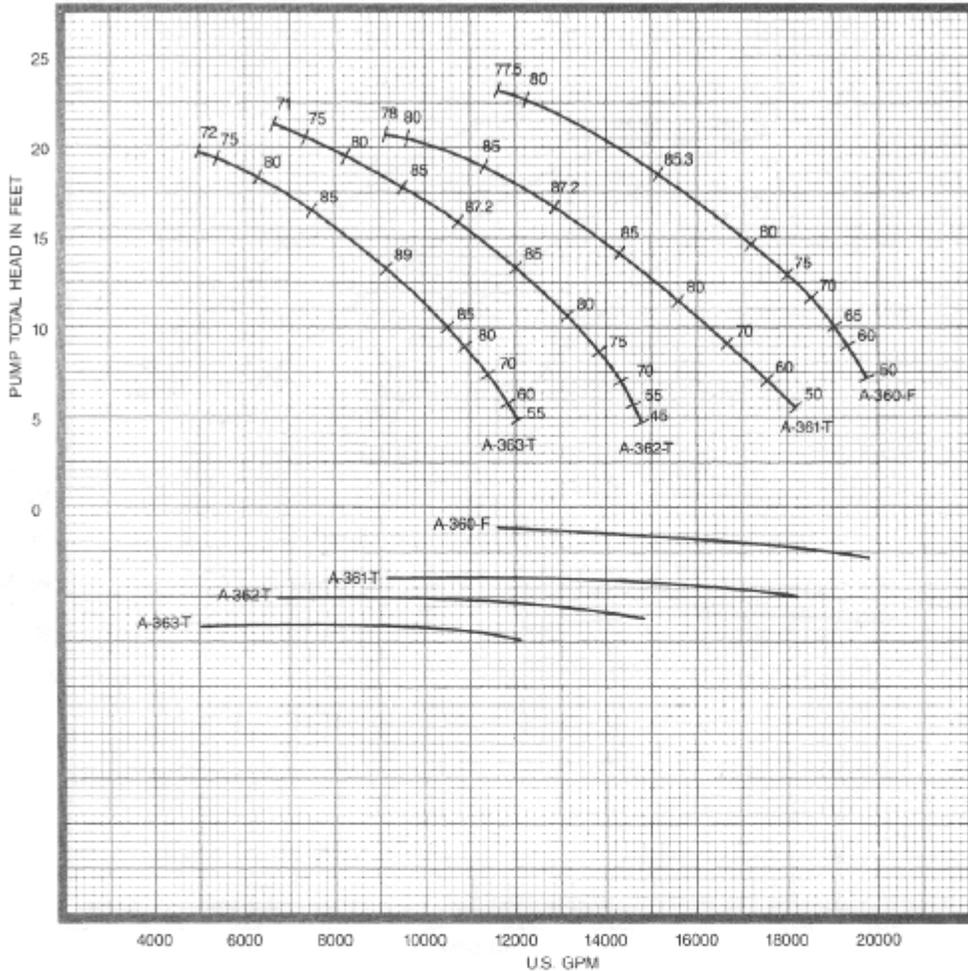
HYDRAULIC PERFORMANCE IS CONTINGENT ON FURNISHING THE PUMP WITH SPECIFIED AMOUNT OF CLEAR, FRESH, NON-AERATED WATER NOT TO EXCEED 85° F.

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



24"
8312

580
RPM

1
STAGE

30"
COLUMN

30"
FABRICATED
STEEL
ELBOW

2-3/16"
LINESHAFT

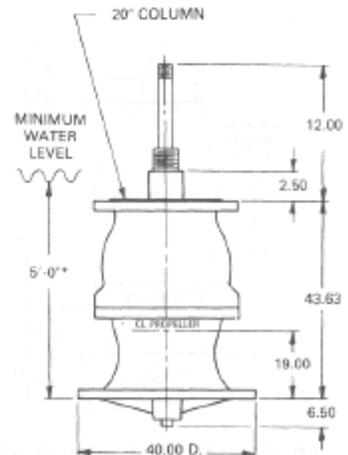
3"
ENCLOSING
TUBE

100
75
50
25
0
BHP

DATA	VALUE
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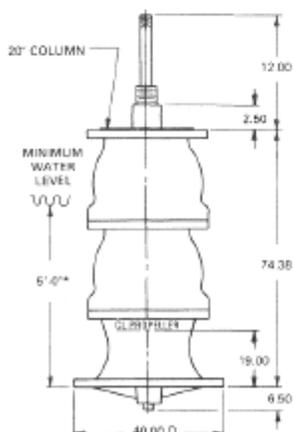
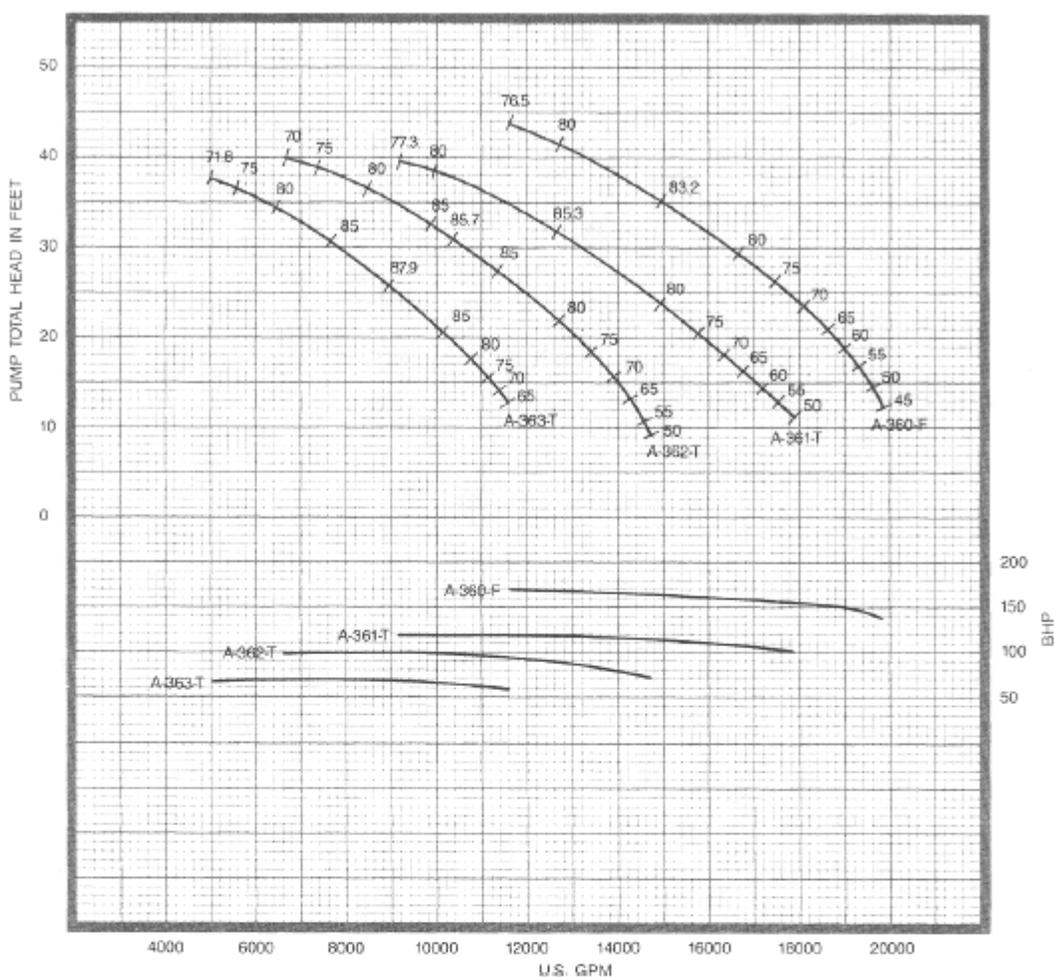
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8000 PROPELLER PUMPS
PUMP PERFORMANCE

414

24"
8312
580
RPM
2
STAGE

24"
COLUMN
24"
FABRICATED
STEEL
ELBOW
2-7/16"
LINESHAFT
3-1/2"
ENCLOSING
TUBE



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K _s (SETTING CONSTANT)	15.9 LBS./FT.																					
WK ²	154 LBS.-FT. ²																					
BOWL ASSEMBLY WEIGHT	2800 LBS.																					
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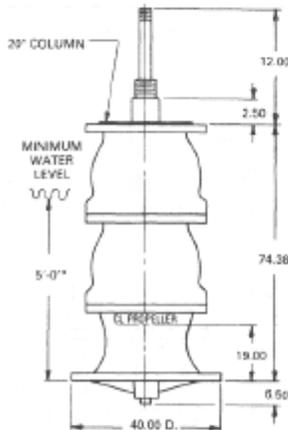
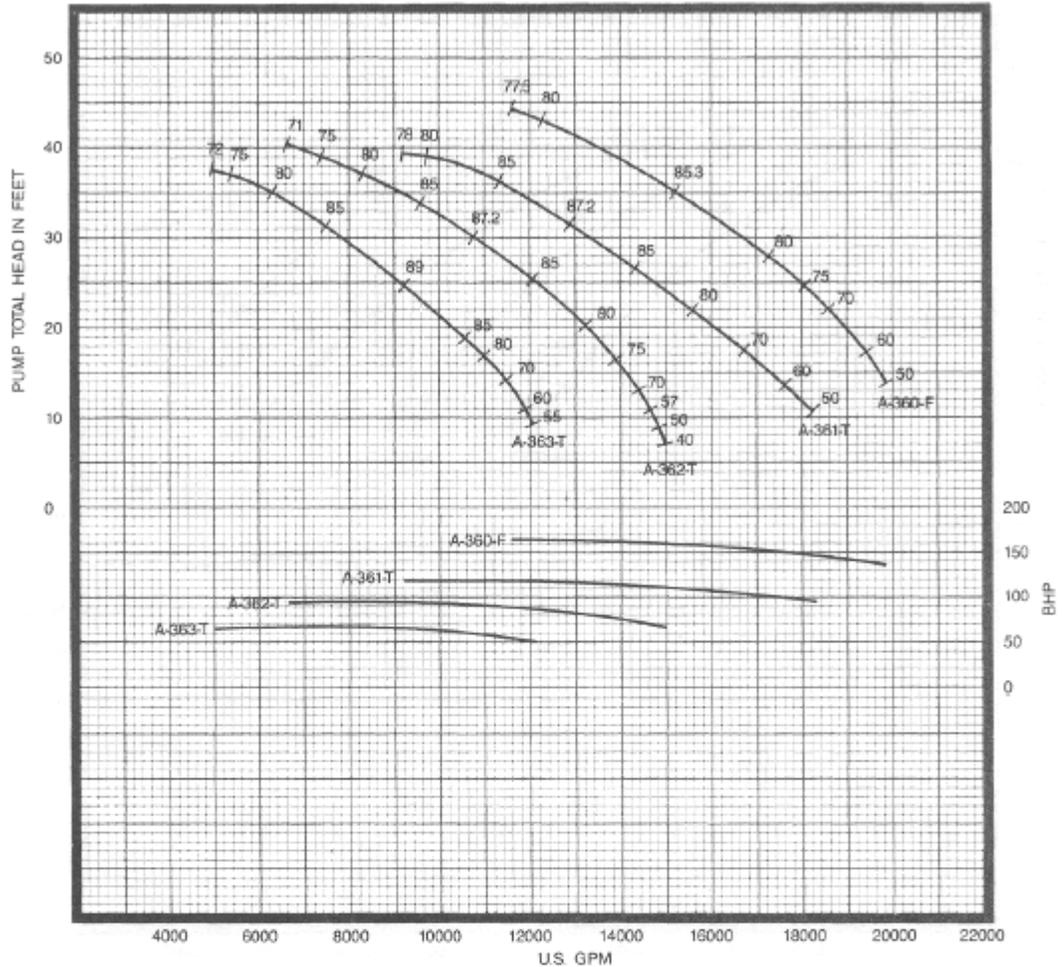
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416

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STAGE

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3-1/2"
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