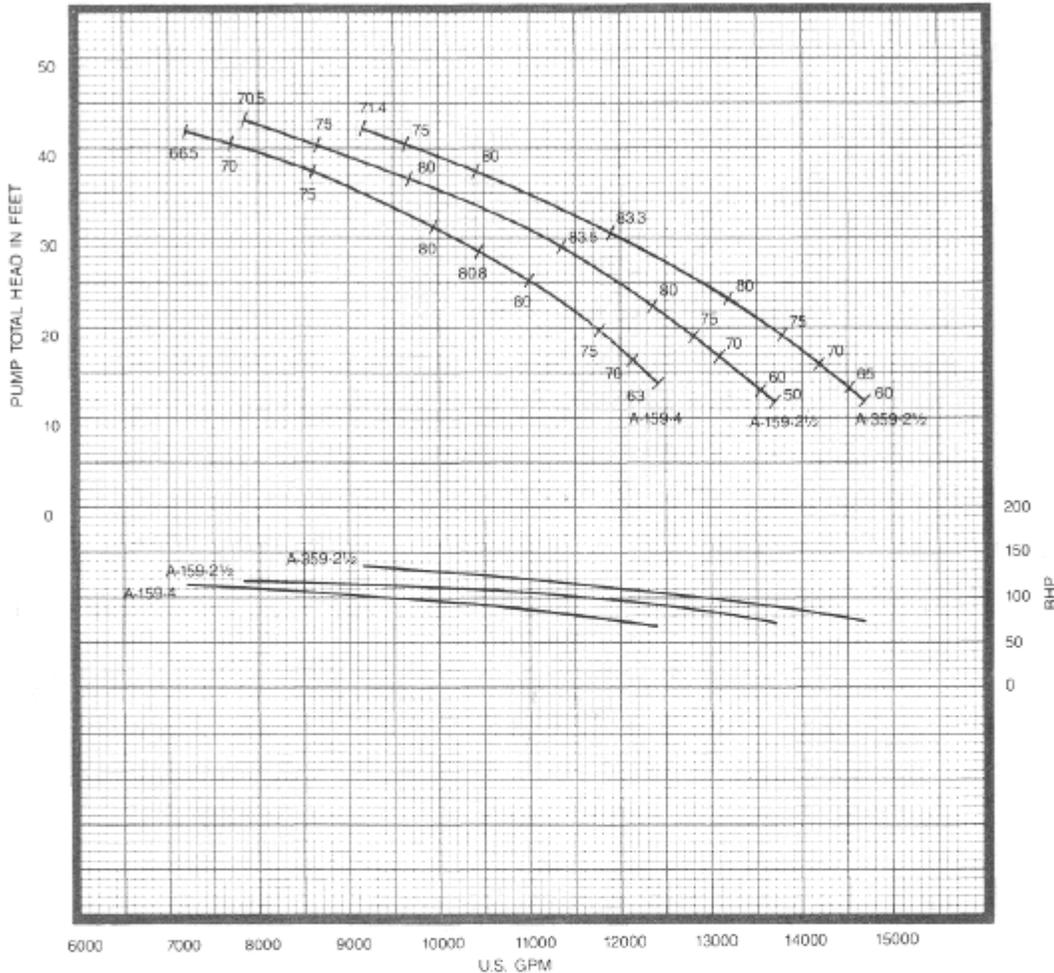


8000 PROPELLER PUMPS
PUMP PERFORMANCE



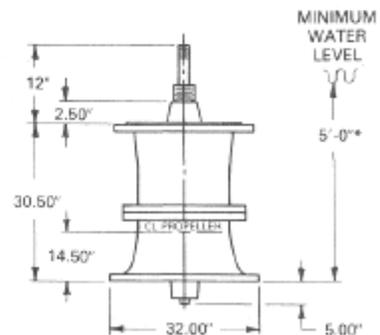
20"
8211
1170
RPM
1
STAGE

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	3.25 IN.
K _t (THRUST FACTOR)	110 LBS./FT.
K _a (TOTAL ROTOR WEIGHT)	93 LBS.
K _s (SETTING CONSTANT)	7.6 LBS./FT.
WK ²	32 LBS.-FT. ²
BOWL ASSEMBLY WEIGHT	800 LBS.
EYE AREA: PROPELLER NO. A-159-4	176.7 SQ. IN. 3 VANE
PROPELLER NO. A-159-2-1/2	186.8 SQ. IN. 3 VANE
PROPELLER NO. A-359-2-1/2	186.8 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.



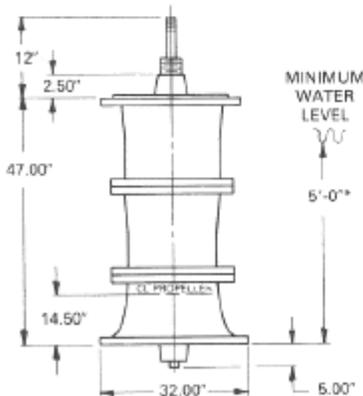
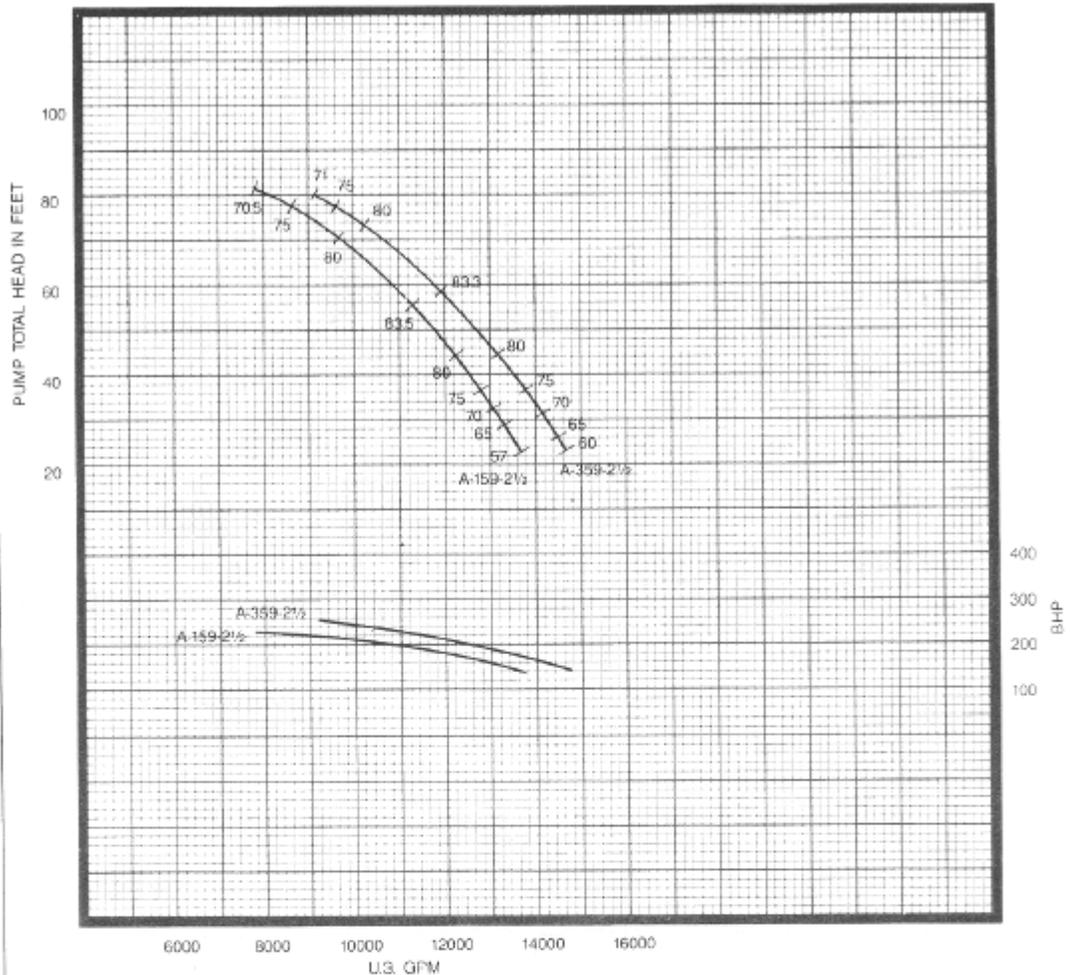
*This value is the minimum submergence required to prevent vortexing only. This value may need to be increased to provide adequate NPSHA.

8000 PROPELLER PUMPS
PUMP PERFORMANCE

316

20"
8211
1170
RPM
2
STAGE

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



DATA	VALUE
PUMP SHAFT DIAMETER	1.9375 IN.
MAXIMUM SPHERE SIZE	3.25 IN.
K _t (THRUST FACTOR)	110 LBS./FT.
K _a (TOTAL ROTOR WEIGHT)	186 LBS.
K _s (SETTING CONSTANT)	10.0 LBS./FT.
WK ²	64 LBS./FT. ²
BOWL ASSEMBLY WEIGHT	1250 LBS.
EYE AREA: PROPELLER NO. A-159-2-1/2	186.8 SQ. IN. 3 VANE
PROPELLER NO. A-359-2-1/2	186.8 SQ. IN. 3 VANE
PROPELLER NO.	

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

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

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.