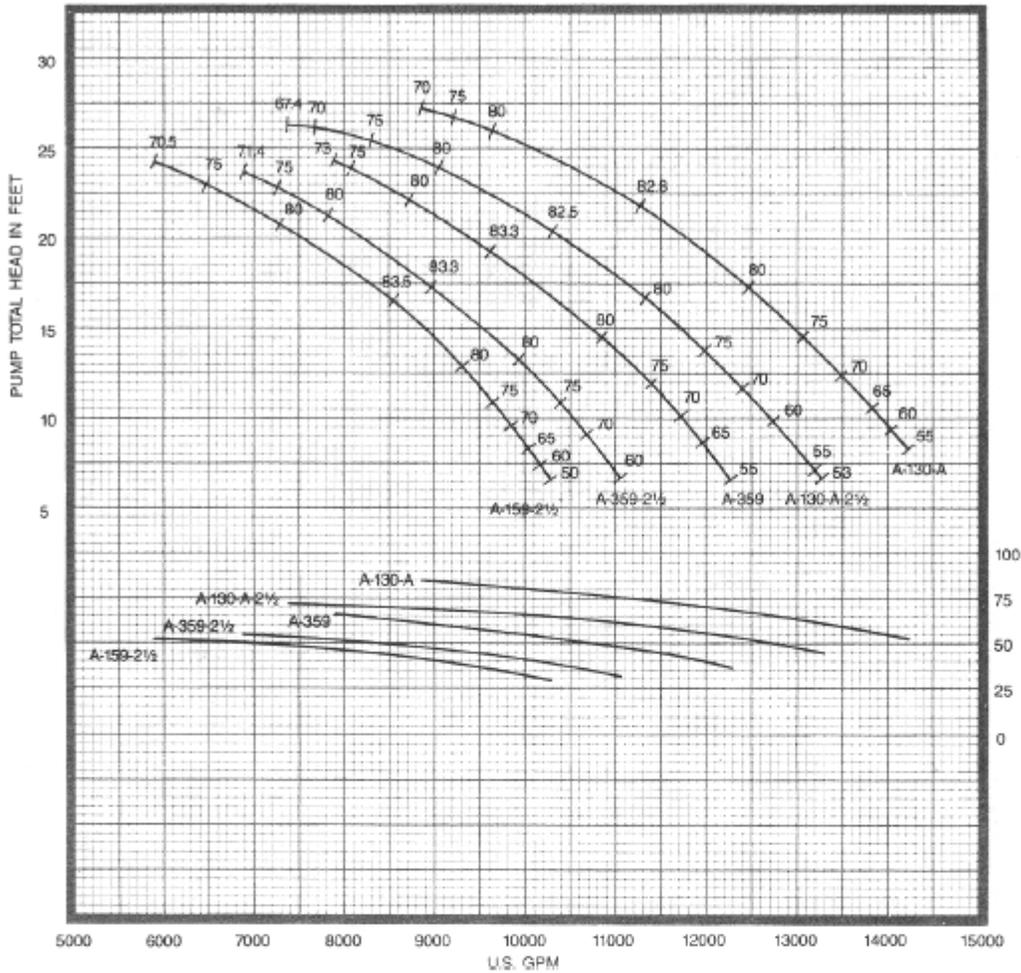


8000 PROPELLER PUMPS
PUMP PERFORMANCE



20"
8211

880
RPM

1
STAGE

20"
COLUMN

20"
FABRICATED
STEEL ELBOW

1-11/16"
LINESHAFT

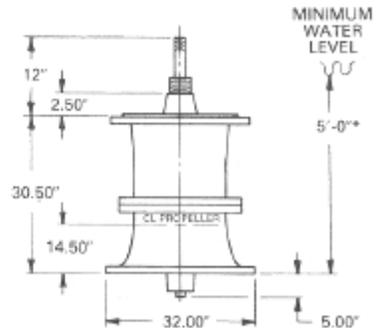
2-1/2"
ENCLOSING
TUBE

100
75
50
25
0
BHP

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-159-2 1/2	186.8 SQ. IN. 3 VANE
PROPELLER NO. A-359-2 1/2	186.8 SQ. IN. 3 VANE
PROPELLER NO. A-359	204.2 SQ. IN. 3 VANE
PROPELLER NO. A-130-A-2 1/2	186.8 SQ. IN. 4 VANE
PROPELLER NO. A-130-A	204.2 SQ. IN. 4 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.

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.

