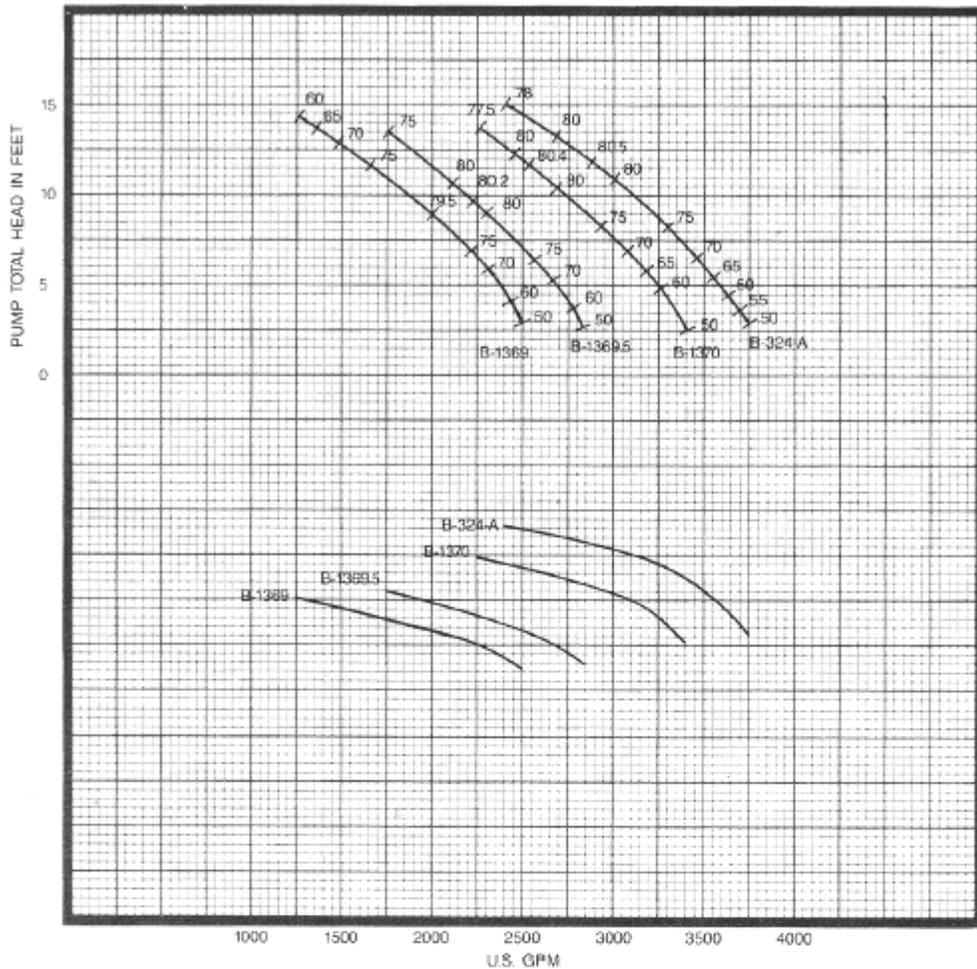


8000 PROPELLER PUMPS
PUMP PERFORMANCE



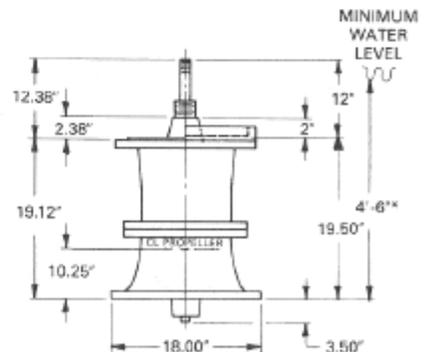
12"
8211
1170
RPM
1
STAGE

12"
COLUMN
12"
CAST IRON
ELBOW
1"
LINESHAFT
1-1/2"
ENCLOSING
TUBE

DATA	VALUE
PUMP SHAFT DIAMETER	1.4375 IN.
MAXIMUM SPHERE SIZE	1.75 IN.
K_t (THRUST FACTOR)	36 LBS./FT.
K_a (TOTAL ROTOR WEIGHT)	18 LBS.
K_s (SETTING CONSTANT)	2.8 LBS./FT.
WK^2	1.7 LBS.-FT. ²
BOWL ASSEMBLY WEIGHT	365 LBS.
EYE AREA: PROPELLER NO. B-1370	64.8 SQ. IN. 3 VANE
PROPELLER NO. B-1369.5	64.8 SQ. IN. 3 VANE
PROPELLER NO. B-1369	64.8 SQ. IN. 3 VANE
PROPELLER NO. B-324-A	64.8 SQ. IN. 4 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.



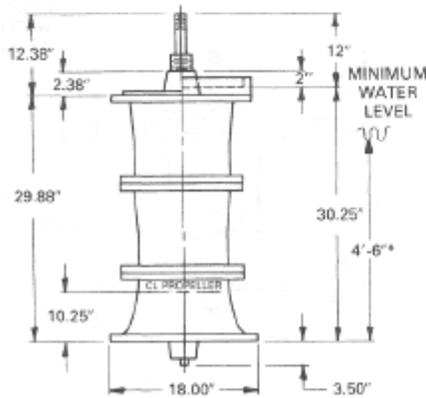
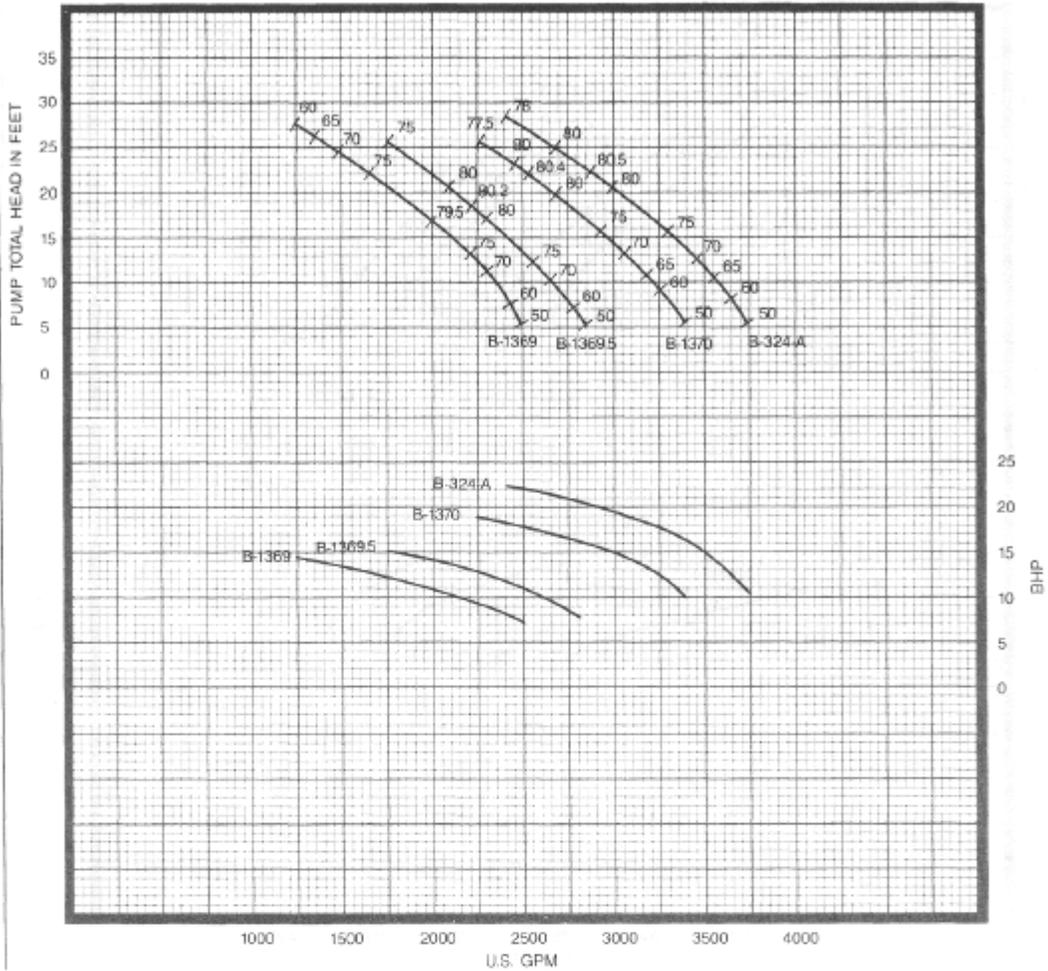
*This value is the minimum submergence required to prevent vortexing only. This value may need to be increased to provide adequate NPSHA.

8000 PROPELLER PUMPS
PUMP PERFORMANCE

314

12"
8211
1170
RPM
2
STAGE

12"
COLUMN
12"
CAST IRON
ELBOW
1-1/4"
LINESHAFT
2"
ENCLOSING
TUBE



DATA	VALUE
PUMP SHAFT DIAMETER	1.4375 IN.
MAXIMUM SPHERE SIZE	1.75 IN.
K _t (THRUST FACTOR)	36 LBS./FT.
K _a (TOTAL ROTOR WEIGHT)	36 LBS.
K _s (SETTING CONSTANT)	3.8 LBS./FT.
WK ²	3.4 LBS.-FT. ²
BOWL ASSEMBLY WEIGHT	530 LBS.
EYE AREA: PROPELLER NO. B-1370 PROPELLER NO. B-1369.5 PROPELLER NO. B-1369 PROPELLER NO. B-324-A PROPELLER NO. PROPELLER NO.	64.8 SQ. IN. 3 VANE 64.8 SQ. IN. 3 VANE 64.8 SQ. IN. 3 VANE 64.8 SQ. IN. 4 VANE

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.