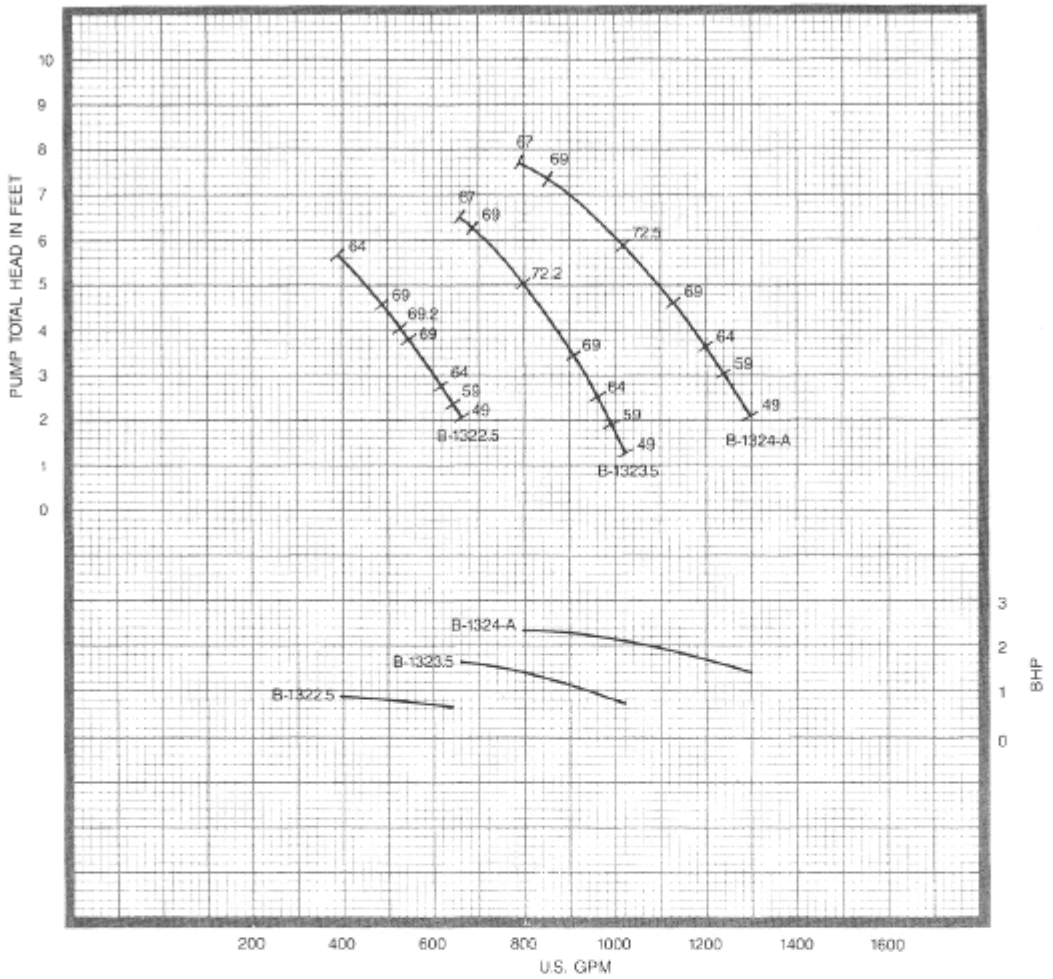


8″
8211

1170 RPM

1 STAGE

8″ COLUMN

8″ CAST IRON ELBOW

1″ LINESHAFT

1-1/2″ ENCLOSING TUBE

DATA	VALUE	
PUMP SHAFT DIAMETER	1.1875 IN.	
MAXIMUM SPHERE SIZE	1.00 IN.	
Kt (THRUST FACTOR)	18 LBS./FT.	
Ka (TOTAL ROTOR WEIGHT)	15 LBS.	
Ks (SETTING CONSTANT)	2.8 LBS./FT.	
WK^2	.68 LBS.-$FT.^2$	
BOWL ASSEMBLY WEIGHT	175 LBS.	
EYE AREA: PROPELLER NO. B-1324-A	33.6 SQ. IN.	4 VANE
PROPELLER NO. B-1323.5	33.6 SQ. IN.	3 VANE
PROPELLER NO. B-1322.5	33.6 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.

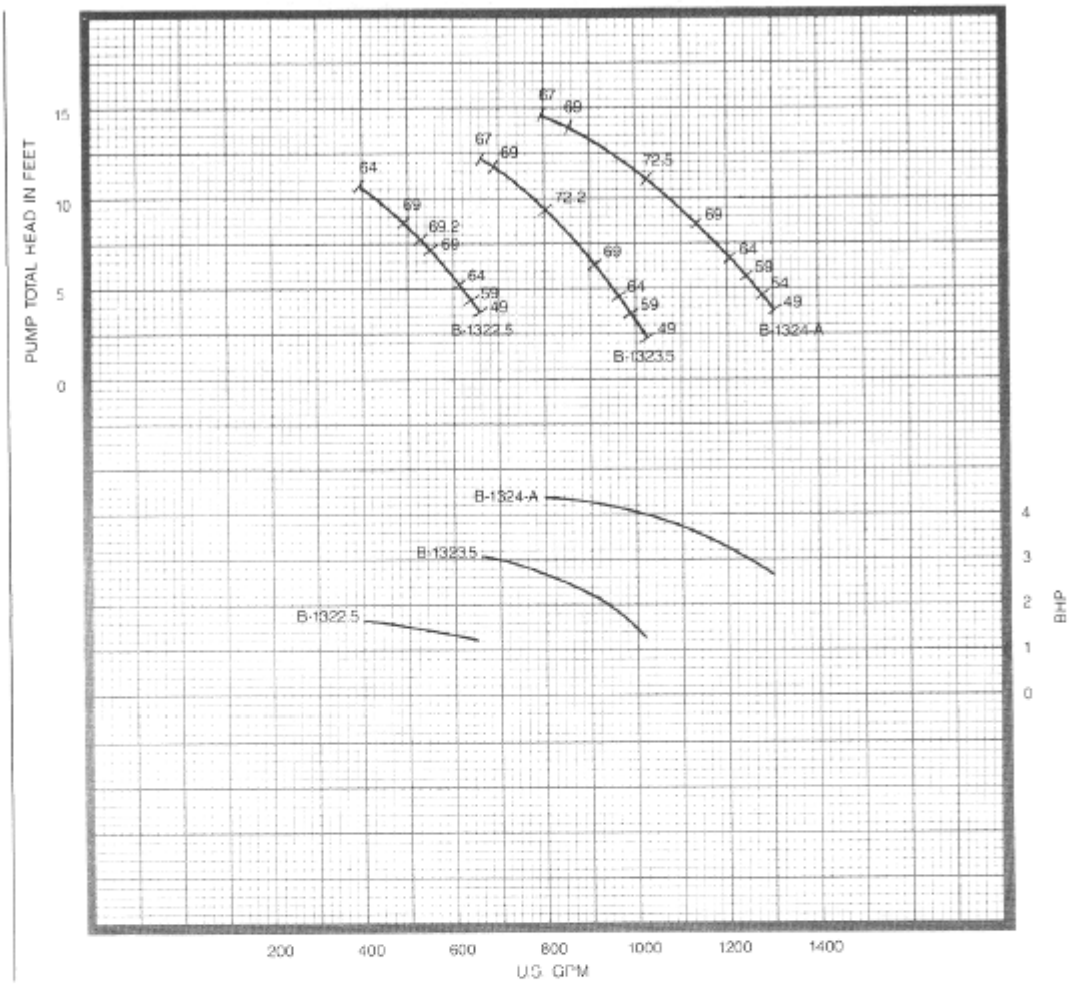
PUMP PERFORMANCE SHOWN IS BOWL ASSEMBLY WITH 10 FEET OF COLUMN INCLUDING A STANDARD ABOVE GROUND DISCHARGE ELBOW. ADDITIONAL COLUMN LOSSES SHOULD BE ADDED WHEN SETTINGS ARE DEEPER THAN 10 FEET AND/OR FOR OTHER DISCHARGE ARRANGEMENTS.

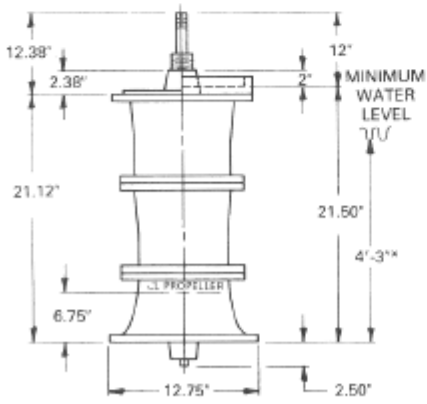
MINIMUM

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

8″ 8211 1170 RPM 2 STAGE

8″ COLUMN
8″ CAST IRON ELBOW
1″ LINESHAFT
1-1/2″ 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	1.1875 IN.	
MAXIMUM SPHERE SIZE	1.00 IN.	
K_1 (THRUST FACTOR)	18 LBS./FT.	
K_a (TOTAL ROTOR WEIGHT)	30 LBS.	
K_s (SETTING CONSTANT)	2.8 LBS./FT.	
WK^2	1.37 LBS.-FT.^{2}	
BOWL ASSEMBLY WEIGHT	255 LBS.	
EYE AREA: PROPELLER NO. B-1324-A	33.6 SQ. IN.	4 VANE
PROPELLER NO. B-1323.5	33.6 SQ. IN.	3 VANE
PROPELLER NO. B-1322.5	33.6 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.