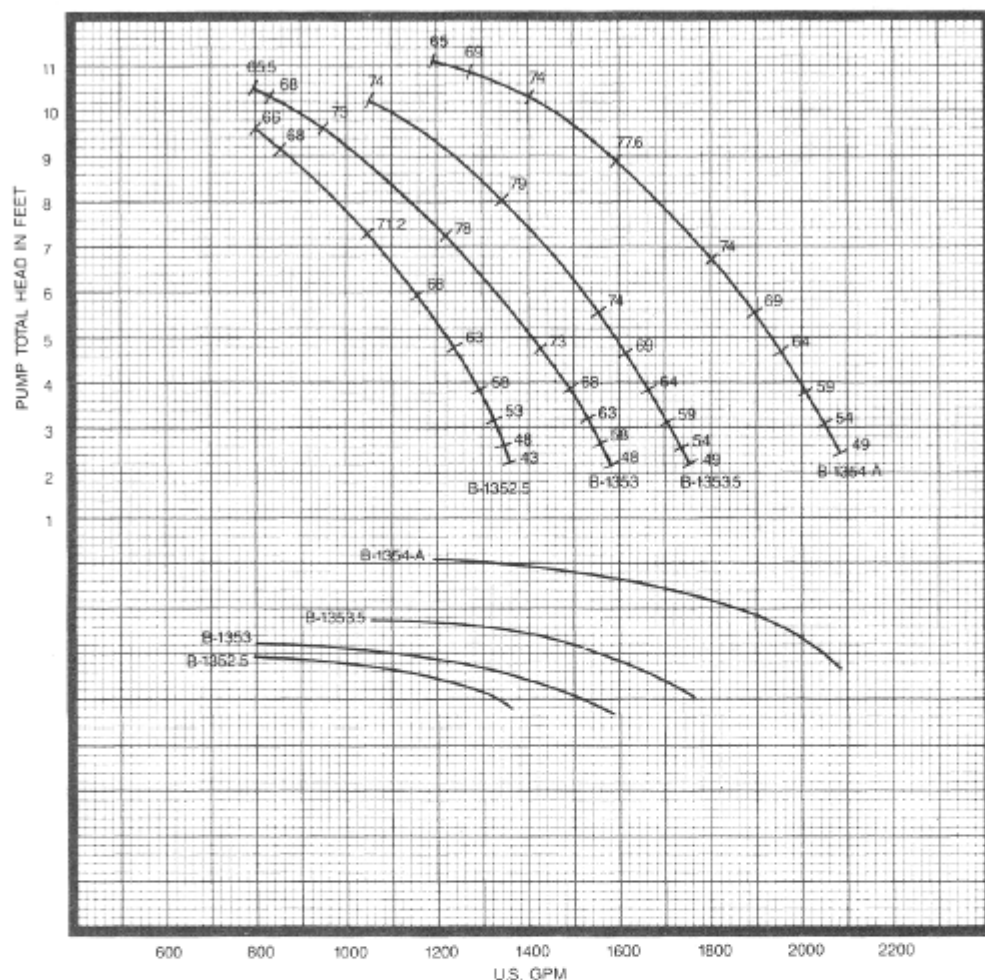


8000 PROPELLER PUMPS PUMP PERFORMANCE

311



10"
8211
1170
RPM
1
STAGE

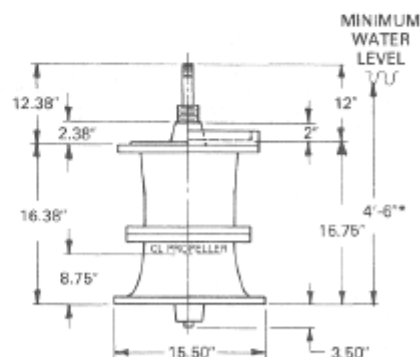
10"
COLUMN
10"
CAST IRON
ELBOW
1"
LINESHAFT
1-1/2"
ENCLOSING
TUBE

BHP

DATA	VALUE
PUMP SHAFT DIAMETER	1.4375 IN.
MAXIMUM SPHERE SIZE	1.25 IN.
K _t (THRUST FACTOR)	26 LBS./FT.
K _a (TOTAL ROTOR WEIGHT)	17 LBS.
K _s (SETTING CONSTANT)	2.8 LBS./FT.
WK ²	1.1 LBS.-FT. ²
BOWL ASSEMBLY WEIGHT	260 LBS.
EYE AREA: PROPELLER NO. B-1354-A	46.6 SQ. IN. 4 VANE
PROPELLER NO. B-1353.5	46.6 SQ. IN. 3 VANE
PROPELLER NO. B-1353	46.6 SQ. IN. 3 VANE
PROPELLER NO. B-1352.5	46.6 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.

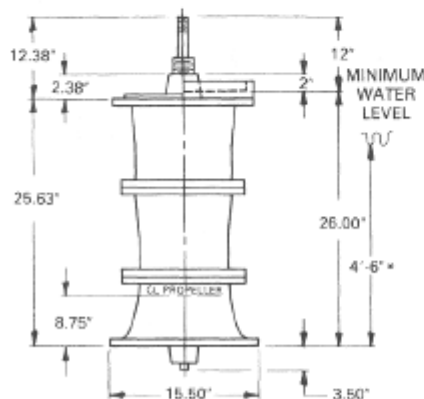
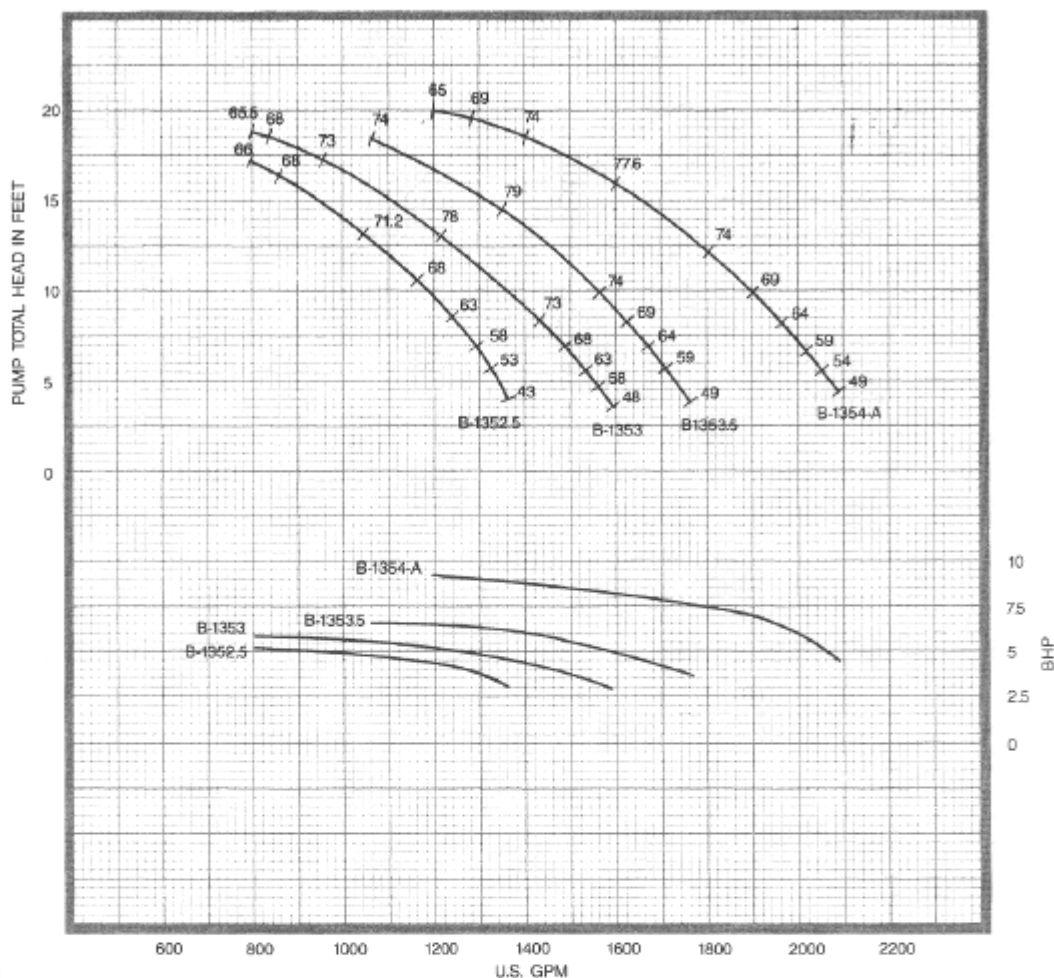


*This value is the minimum submergence required to prevent vortexing only. This value may need to be increased to provide adequate NPSHA.

8000 PROPELLER PUMPS PUMP PERFORMANCE

10"
8211
1170
RPM
2
STAGE

10"
COLUMN
10"
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	1.4375 IN.
MAXIMUM SPHERE SIZE	1.25 IN.
K _t (THRUST FACTOR)	26 LBS./FT.
K _a (TOTAL ROTOR WEIGHT)	34 LBS.
K _s (SETTING CONSTANT)	2.8 LBS./FT.
WK ²	2.2 LBS.-FT. ²
BOWL ASSEMBLY WEIGHT	380 LBS.
EYE AREA: PROPELLER NO. B-1354-A	46.6 SQ. IN. 4 VANE
PROPELLER NO. B-1353.5	46.6 SQ. IN. 3 VANE
PROPELLER NO. B-1353	46.6 SQ. IN. 3 VANE
PROPELLER NO. B-1352.5	46.6 SQ. IN. 3 VANE
PROPELLER NO.	
PROPELLER NO.	

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