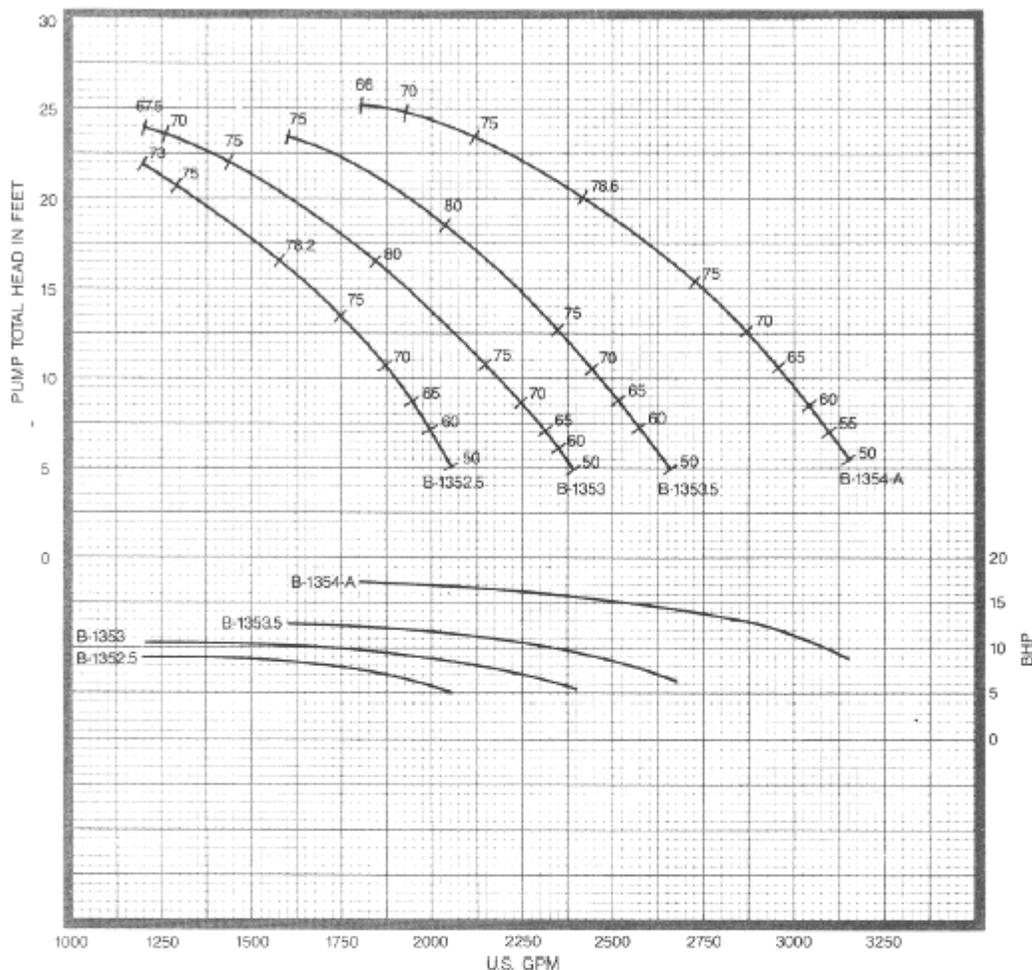


8000 PROPELLER PUMPS  
PUMP PERFORMANCE



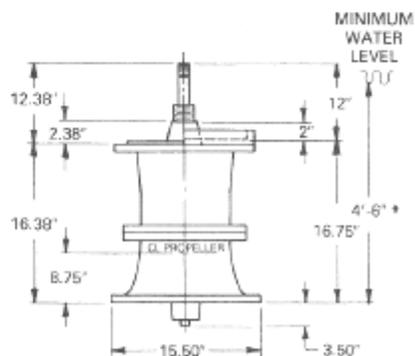
**10"**  
**8211**  
**1770**  
**RPM**  
**1**  
**STAGE**

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

DATA	VALUE
PUMP SHAFT DIAMETER	1.4375 IN.
MAXIMUM SPHERE SIZE	1.25 IN.
K <sub>t</sub> (THRUST FACTOR)	26 LBS./FT.
K <sub>a</sub> (TOTAL ROTOR WEIGHT)	17 LBS.
K <sub>s</sub> (SETTING CONSTANT)	2.8 LBS./FT.
WK <sup>2</sup>	1.1 LBS.-FT. <sup>2</sup>
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.



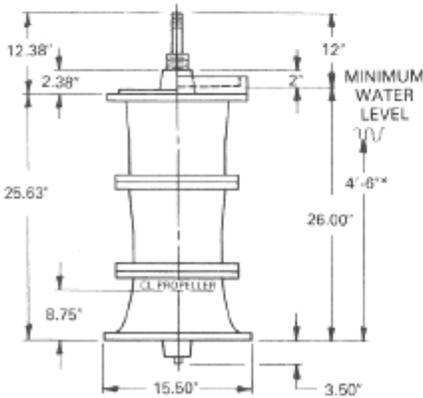
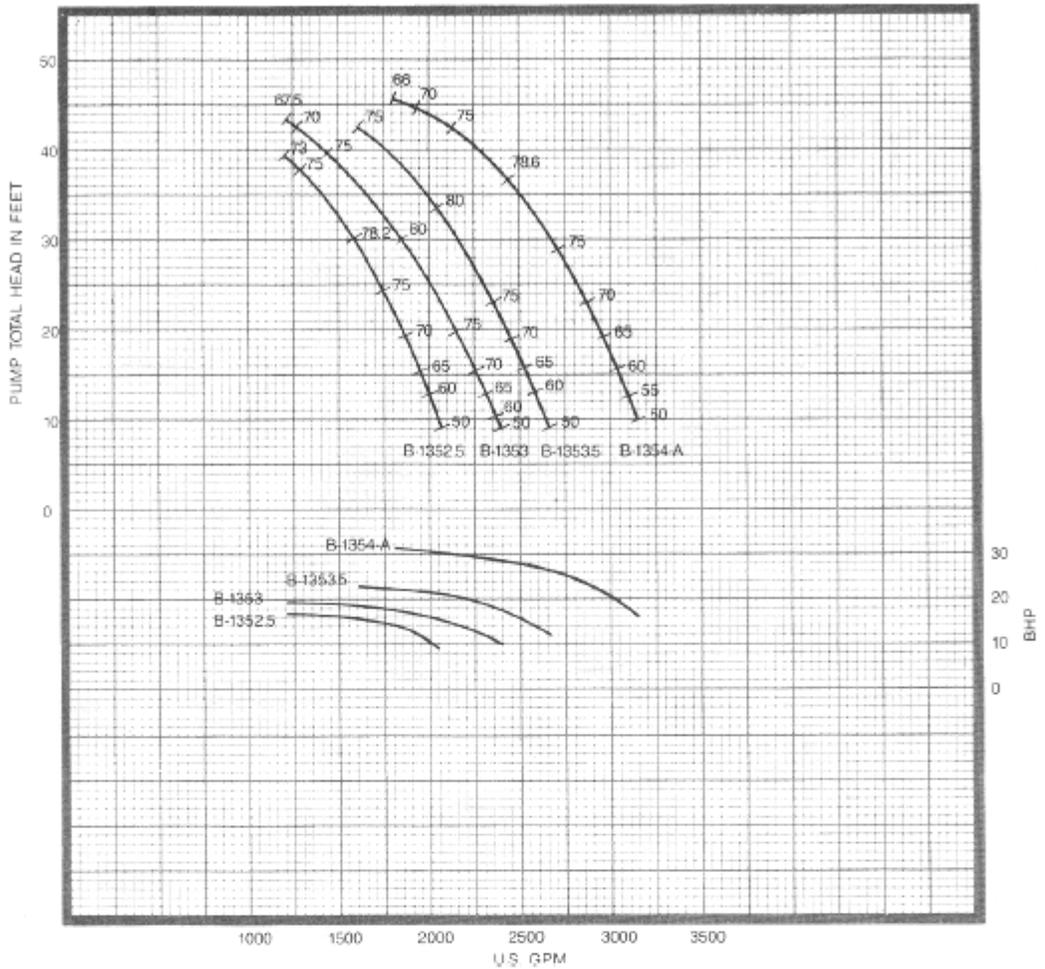
\*This value is the minimum submergence required to prevent vortexing only. This value may need to be increased to provide adequate NPSHA.

8000 PROPELLER PUMPS  
PUMP PERFORMANCE

306

10"  
8211  
1770  
RPM  
2  
STAGE

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



DATA	VALUE
PUMP SHAFT DIAMETER	1.4375 IN.
MAXIMUM SPHERE SIZE	1.25 IN.
K <sub>t</sub> (THRUST FACTOR)	26 LBS./FT.
K <sub>a</sub> (TOTAL ROTOR WEIGHT)	34 LBS.
K <sub>s</sub> (SETTING CONSTANT)	2.8 LBS./FT.
WK <sup>2</sup>	2.2 LBS.-FT. <sup>2</sup>
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.	

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.