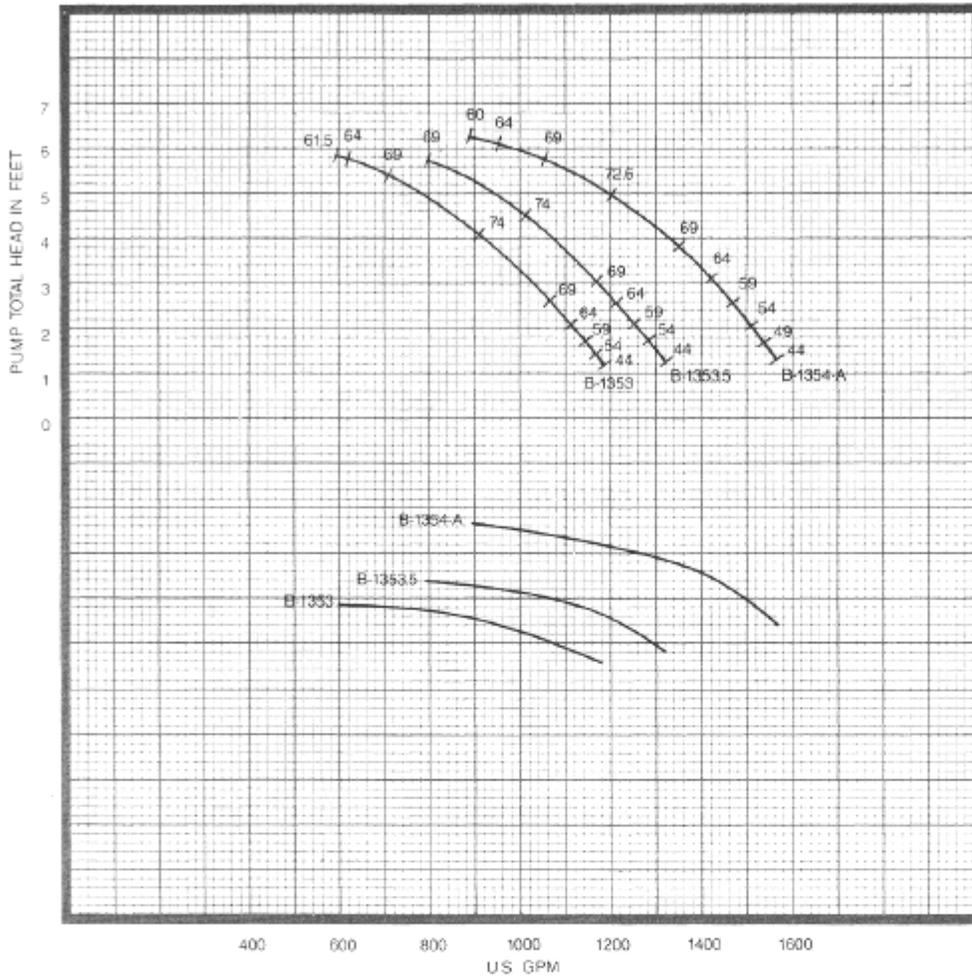


8000 PROPELLER PUMPS  
PUMP PERFORMANCE



**10"**  
**8211**  
**880**  
**RPM**  
**1**  
**STAGE**

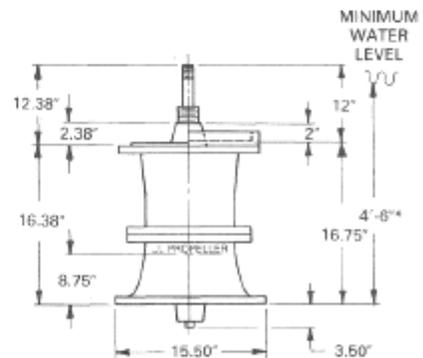
10"  
COLUMN  
10"  
CAST IRON  
ELBOW  
1"  
LINESHAFT  
1-1/2"  
ENCLOSING  
TUBE

BHP

DATA	VALUE
PUMP SHAFT DIAMETER	1.4375 IN.
MAXIMUM SPHERE SIZE	1.25 IN.
K <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.	
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

318

**10"**  
**8211**

**880**  
**RPM**

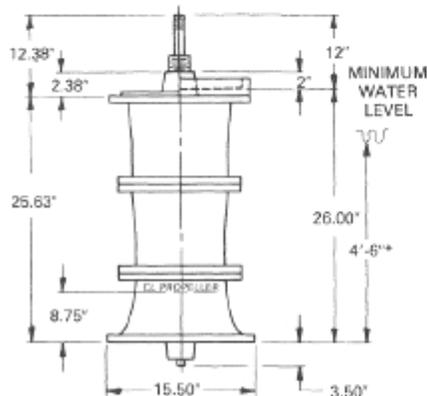
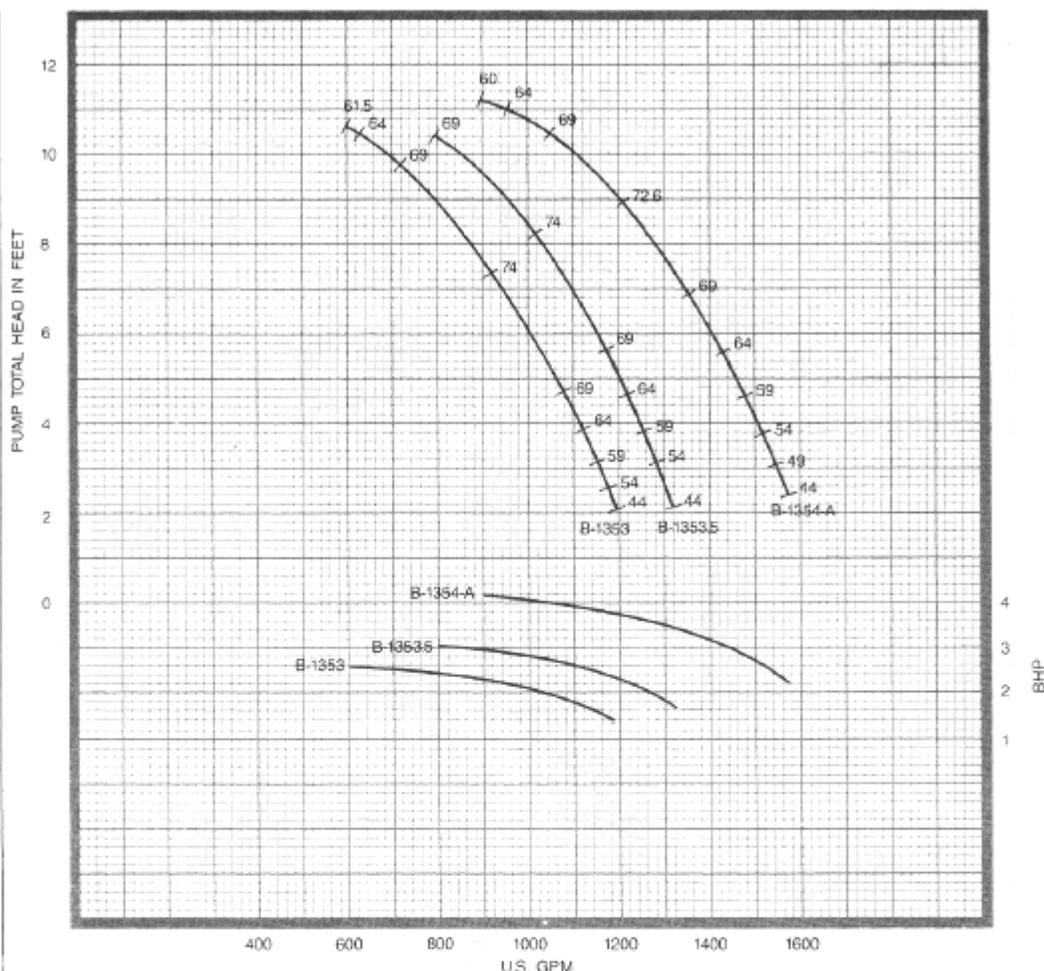
**2**  
**STAGE**

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.	
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.