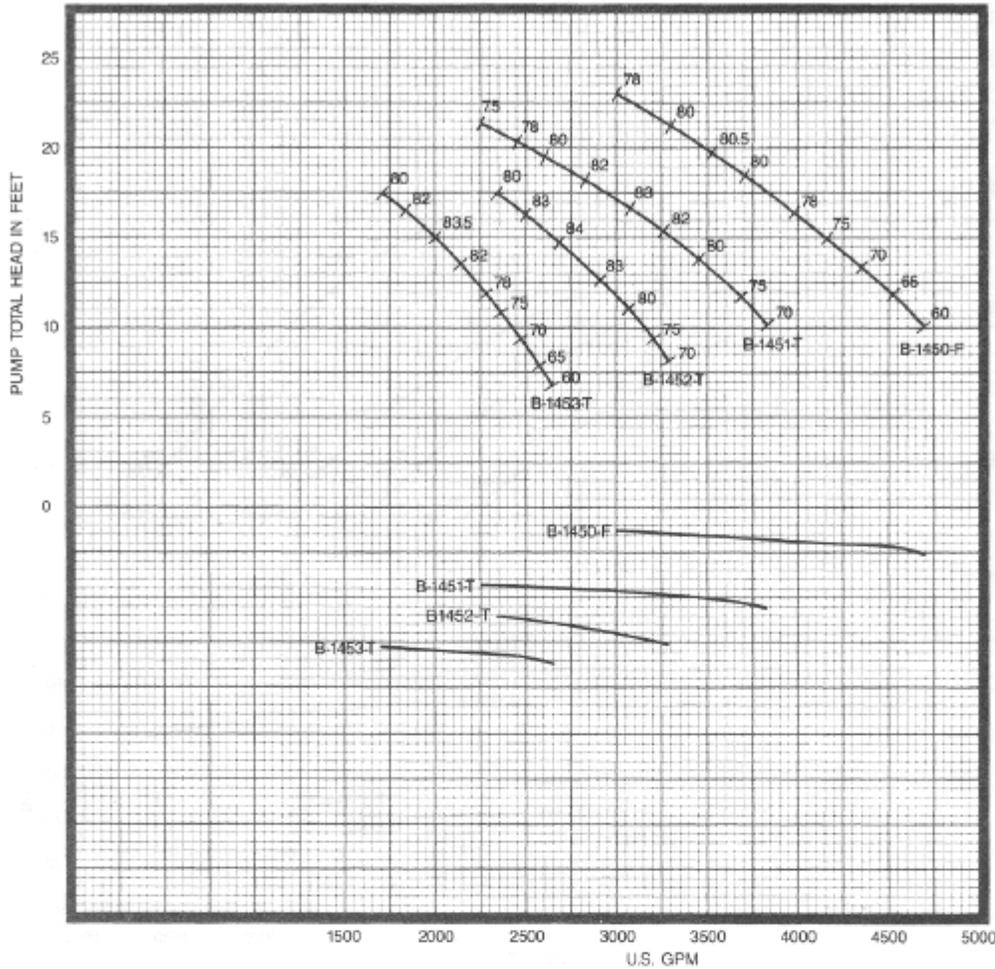


8000 PROPELLER PUMPS
PUMP PERFORMANCE



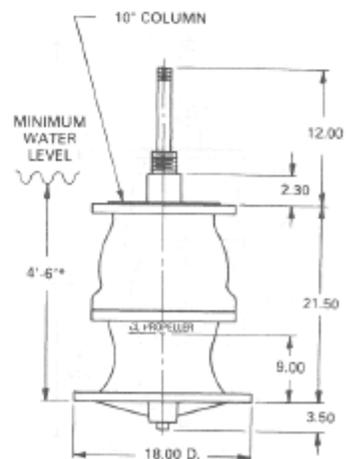
12"
8312
1180
RPM
1
STAGE

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

DATA	VALUE
PUMP SHAFT DIAMETER	1.4375 IN.
MAXIMUM SPHERE SIZE	1.88 IN.
K _t (THRUST FACTOR)	31 LBS./FT.
K _a (TOTAL ROTOR WEIGHT)	28 LBS.
K _s (SETTING CONSTANT)	2.8 LBS./FT.
WK ²	3.1 LBS.-FT. ²
BOWL ASSEMBLY WEIGHT	430 LBS.
EYE AREA: PROPELLER NO. B-1450-F	63.0 SQ. IN. 4 VANE
PROPELLER NO. B-1451-T	63.0 SQ. IN. 3 VANE
PROPELLER NO. B-1452-T	63.0 SQ. IN. 3 VANE
PROPELLER NO. B-1453-T	63.0 SQ. IN. 3 VANE
PROPELLER NO.	
PROPELLER NO.	

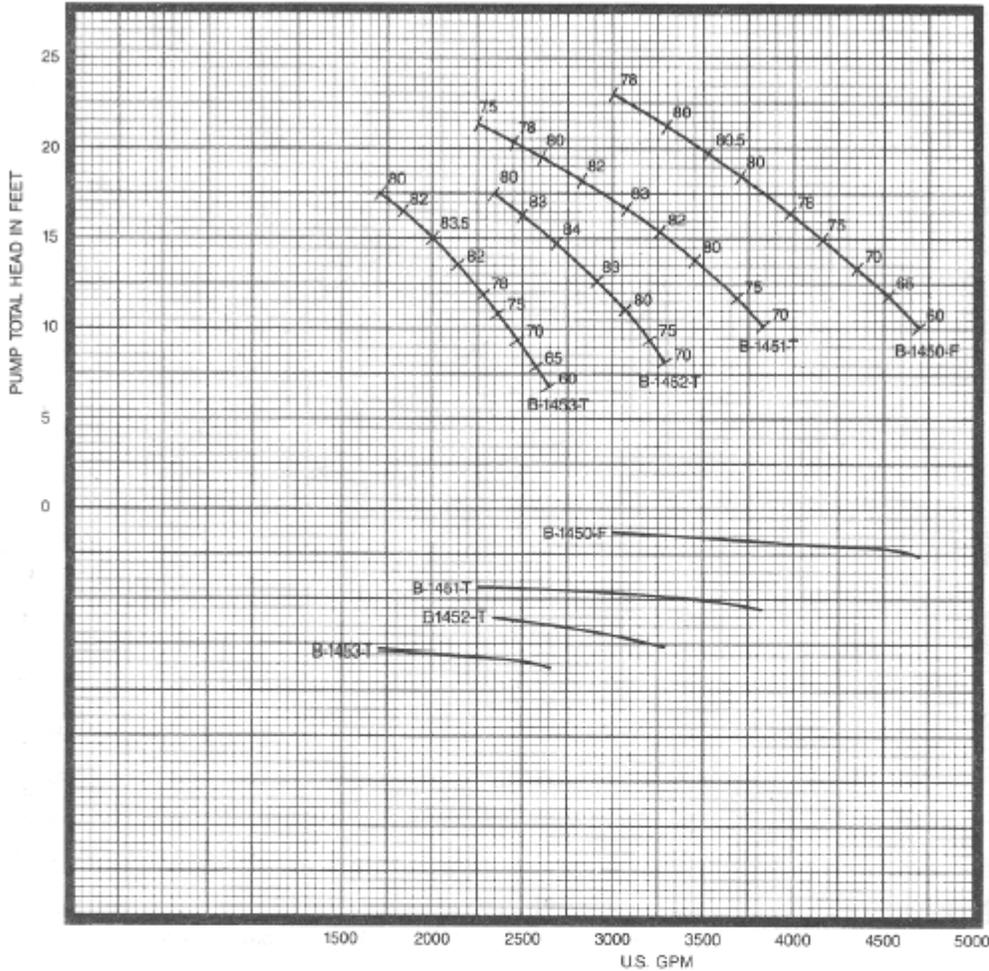
HYDRAULIC PERFORMANCE IS CONTINGENT ON FURNISHING THE PUMP WITH SPECIFIED AMOUNT OF CLEAR, FRESH, NON-AERATED WATER NOT TO EXCEED 85° F.

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

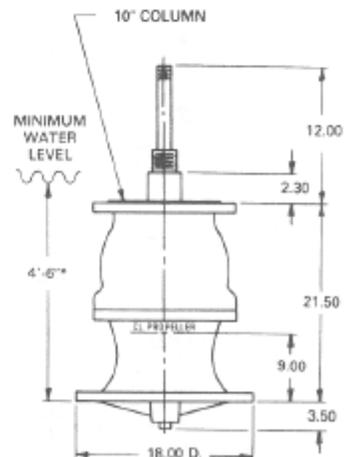


12"
8312
1170
RPM
1
STAGE
14"
COLUMN
14"
CAST IRON
ELBOW
1"
LINESHAFT
1-1/2"
ENCLOSING
TUBE

DATA	VALUE
PUMP SHAFT DIAMETER	1.4375 IN.
MAXIMUM SPHERE SIZE	1.88 IN.
K _t (THRUST FACTOR)	31 LBS./FT.
K _a (TOTAL ROTOR WEIGHT)	28 LBS.
K _s (SETTING CONSTANT)	2.8 LBS./FT.
WK ²	3.1 LBS.-FT. ²
BOWL ASSEMBLY WEIGHT	430 LBS.
EYE AREA: PROPELLER NO. B-1450-F	63.0 SQ. IN. 4 VANE
PROPELLER NO. B-1451-T	63.0 SQ. IN. 3 VANE
PROPELLER NO. B-1452-T	63.0 SQ. IN. 3 VANE
PROPELLER NO. B-1453-T	63.0 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.



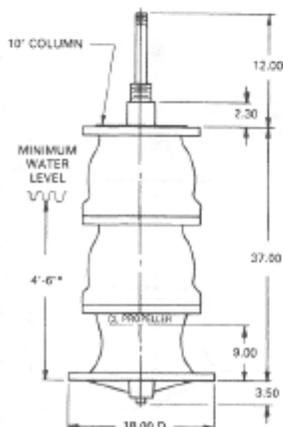
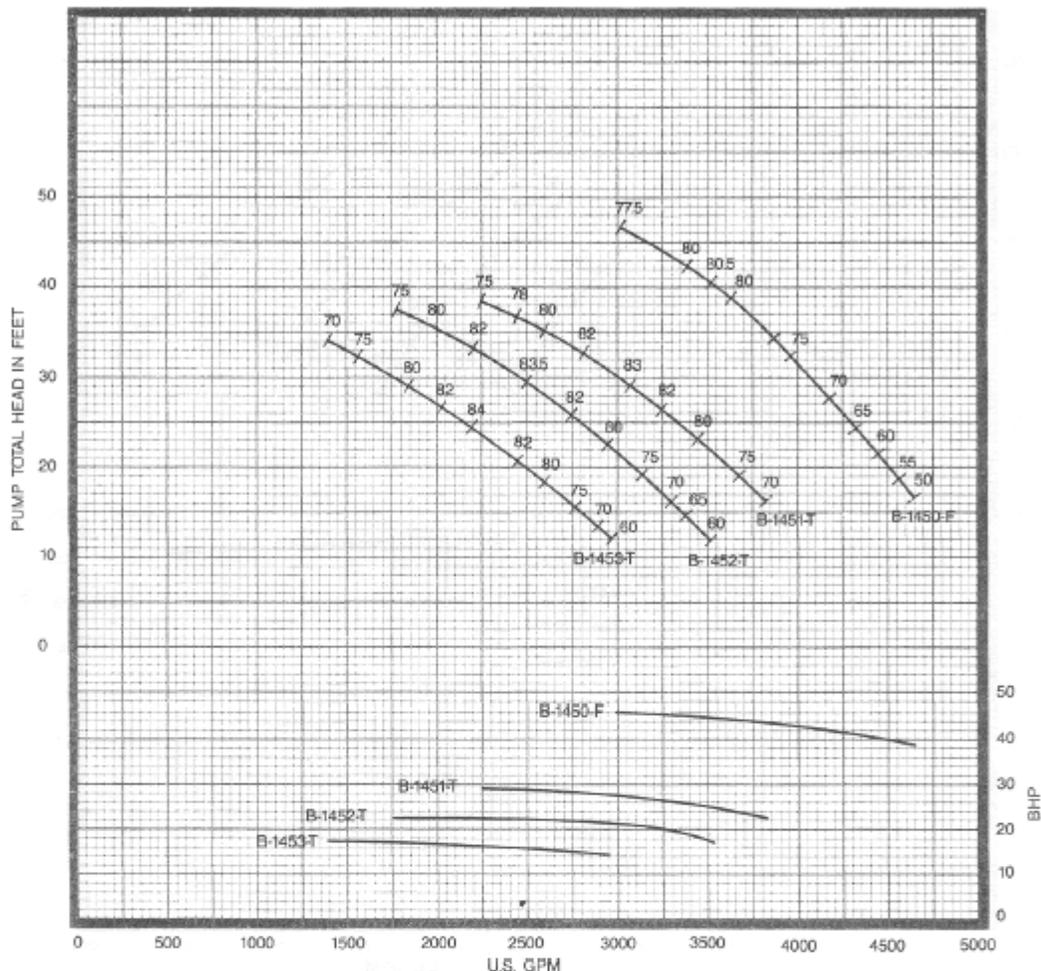
*This value is the minimum submergence required to prevent vortexing only. This value may need to be increased to provide adequate NPSHA.

8000 PROPELLER PUMPS
PUMP PERFORMANCE

364

12"
8312
1170
RPM
2
STAGE

14"
COLUMN
14"
CAST IRON
ELBOW
1-1/4"
LINESHAFT
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	1.88 IN.
K ₁ (THRUST FACTOR)	31 LBS./FT.
K _a (TOTAL ROTOR WEIGHT)	56 LBS.
K _s (SETTING CONSTANT)	3.8 LBS./FT.
WK ²	6.2 LBS.-FT. ²
BOWL ASSEMBLY WEIGHT	650 LBS.
EYE AREA: PROPELLER NO. B-1450-F	63.0 SQ. IN. 4 VANE
PROPELLER NO. B-1451-T	63.0 SQ. IN. 3 VANE
PROPELLER NO. B-1452-T	63.0 SQ. IN. 3 VANE
PROPELLER NO. B-1453-T	63.0 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.