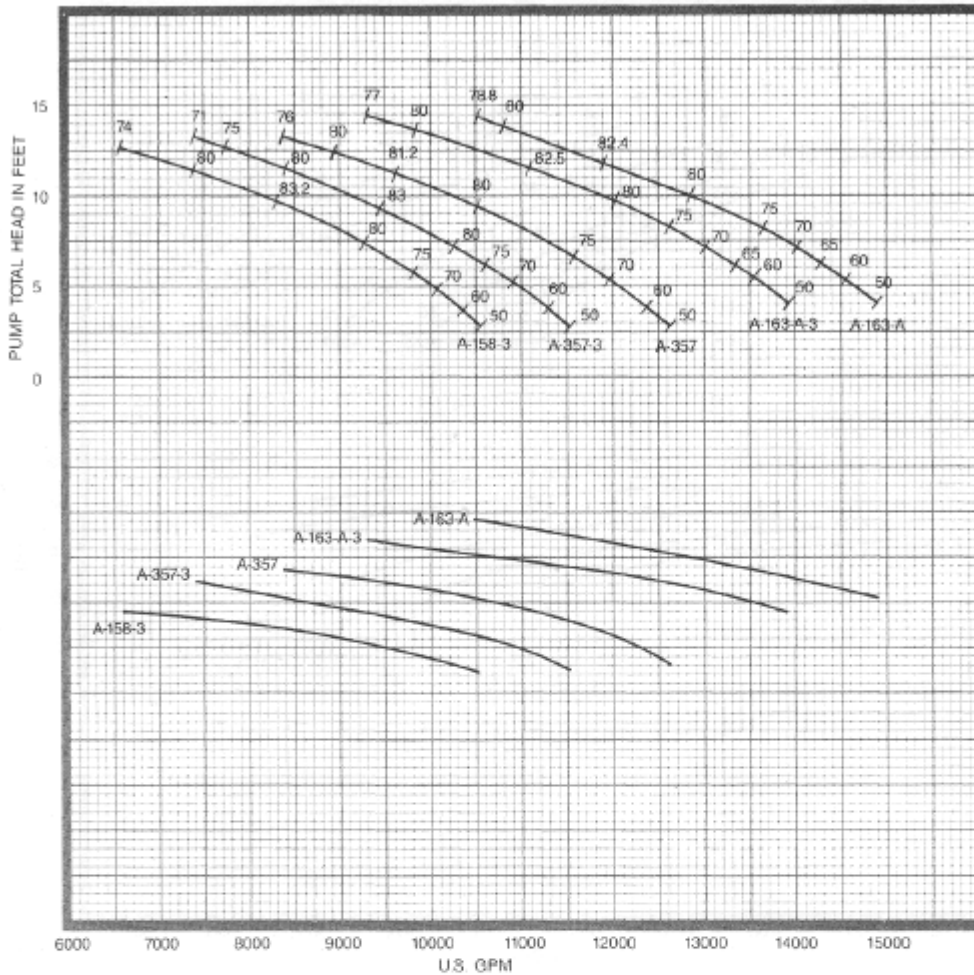


8000 PROPELLER PUMPS PUMP PERFORMANCE

331



24"
8211
580
RPM
1
STAGE

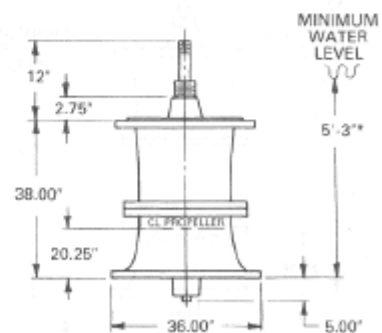
24"
COLUMN
24"
FABRICATED
STEEL ELBOW
1-15/16"
LINESHAFT
3"
ENCLOSING
TUBE

BHP

DATA	VALUE
PUMP SHAFT DIAMETER	2.1875 IN.
MAXIMUM SPHERE SIZE	3.75 IN.
K _t (THRUST FACTOR)	150 LBS./FT.
K _a (TOTAL ROTOR WEIGHT)	165 LBS.
K _s (SETTING CONSTANT)	10.0 LBS./FT.
WK ²	67 LBS.-FT. ²
BOWL ASSEMBLY WEIGHT	1300 LBS.
EYE AREA: PROPELLER NO. A-158-3	247.4 SQ. IN. 3 VANE
PROPELLER NO. A-357-3	247.4 SQ. IN. 3 VANE
PROPELLER NO. A-357	271.7 SQ. IN. 3 VANE
PROPELLER NO. A-163-A-3	247.4 SQ. IN. 4 VANE
PROPELLER NO. A-163-A	271.7 SQ. IN. 4 VANE
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

24"
8211

580
RPM

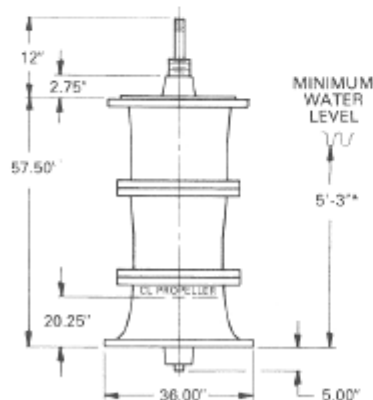
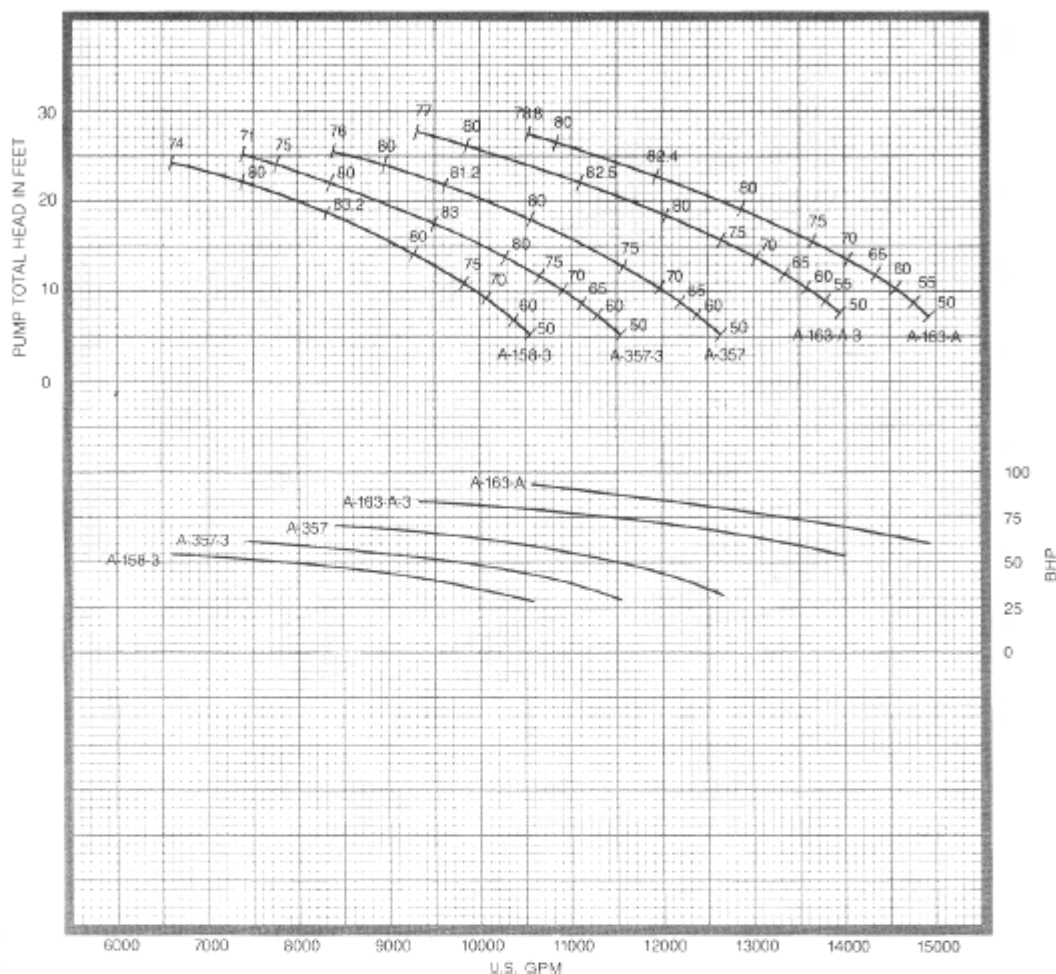
2
STAGE

24"
COLUMN

24"
FABRICATED
STEEL ELBOW

2-3/16"
LINESHAFT

3"
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	2.1875 IN.
MAXIMUM SPHERE SIZE	3.75 IN.
K _t (THRUST FACTOR)	150 LBS./FT.
K _a (TOTAL ROTOR WEIGHT)	330 LBS.
K _s (SETTING CONSTANT)	12.8 LBS./FT.
WK ²	134 LBS.-FT. ²
BOWL ASSEMBLY WEIGHT	1910 LBS.
EYE AREA: PROPELLER NO. A-158-3	247.4 SQ. IN. 3 VANE
PROPELLER NO. A-357-3	247.4 SQ. IN. 3 VANE
PROPELLER NO. A-357	271.7 SQ. IN. 3 VANE
PROPELLER NO. A-163-A-3	247.4 SQ. IN. 4 VANE
PROPELLER NO. A-163-A	271.7 SQ. IN. 4 VANE
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 FLOW. ADDITIONAL COLUMN LOSSES SHOULD BE ADDED WHEN SETTINGS ARE DEEPER THAN 10 FEET AND/OR FOR OTHER DISCHARGE ARRANGEMENTS.