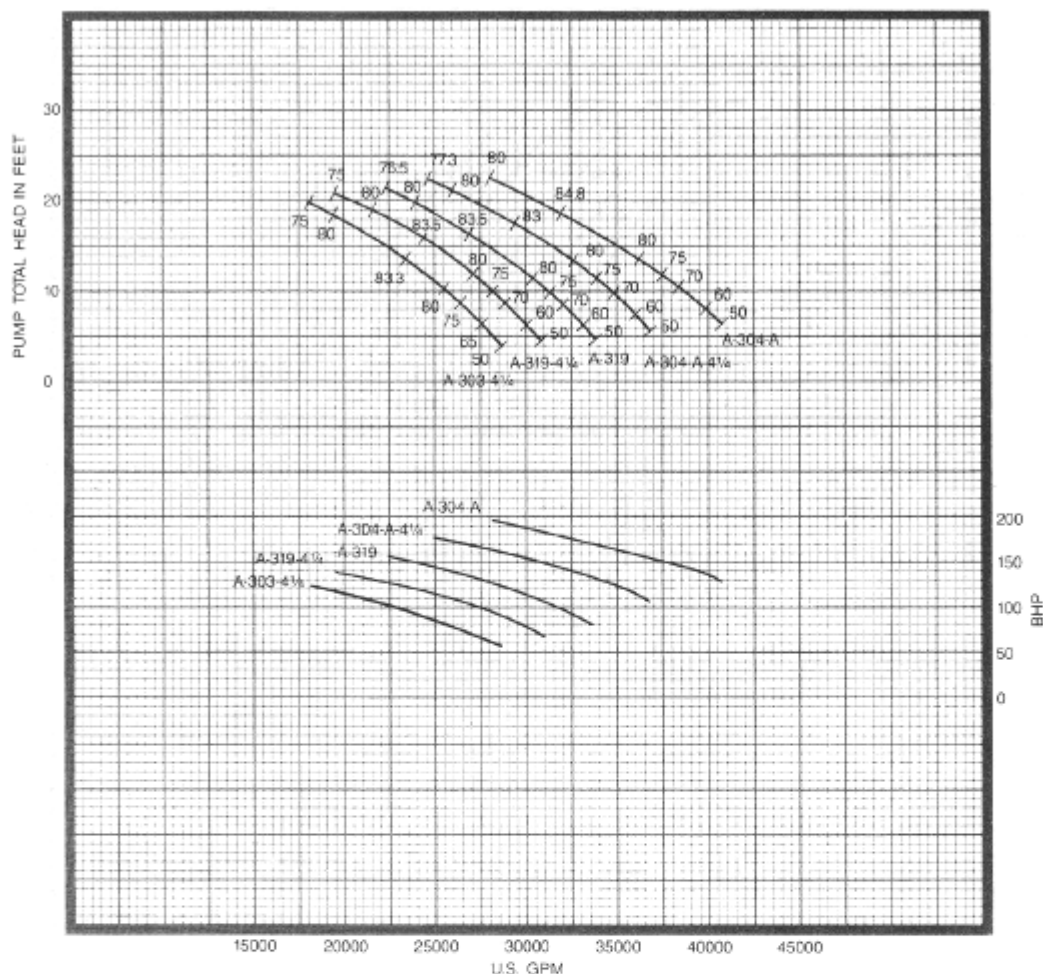


8000 PROPELLER PUMPS PUMP PERFORMANCE

339



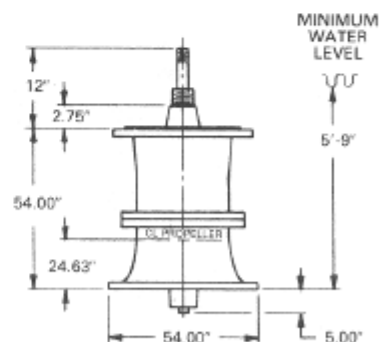
36"
8211
500
RPM
1
STAGE

36"
COLUMN
36"
FABRICATED
STEEL ELBOW
2-7/16"
LINESHAFT
3-1/2
ENCLOSING
TUBE

DATA	VALUE
PUMP SHAFT DIAMETER	2.9375 IN.
MAXIMUM SPHERE SIZE	5.00 IN.
K _t (THRUST FACTOR)	320 LBS./FT.
K _a (TOTAL ROTOR WEIGHT)	470 LBS.
K _s (SETTING CONSTANT)	15.9 LBS./FT.
WK ²	388 LBS.-FT. ²
BOWL ASSEMBLY WEIGHT	3000 LBS.
EYE AREA: PROPELLER NO. A-303-4 1/4	537.4 SQ. IN. 3 VANE
PROPELLER NO. A-319-4 1/4	537.4 SQ. IN. 3 VANE
PROPELLER NO. A-319	587.5 SQ. IN. 3 VANE
PROPELLER NO. A-304-A-4 1/4	537.4 SQ. IN. 4 VANE
PROPELLER NO. A-304-A	587.5 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

36"
8211

500
RPM

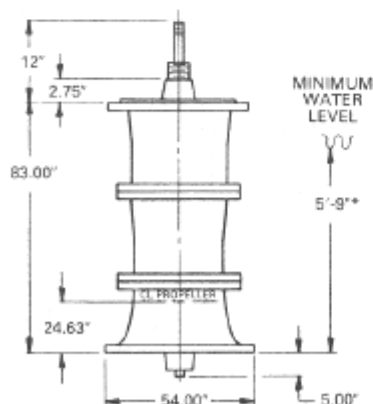
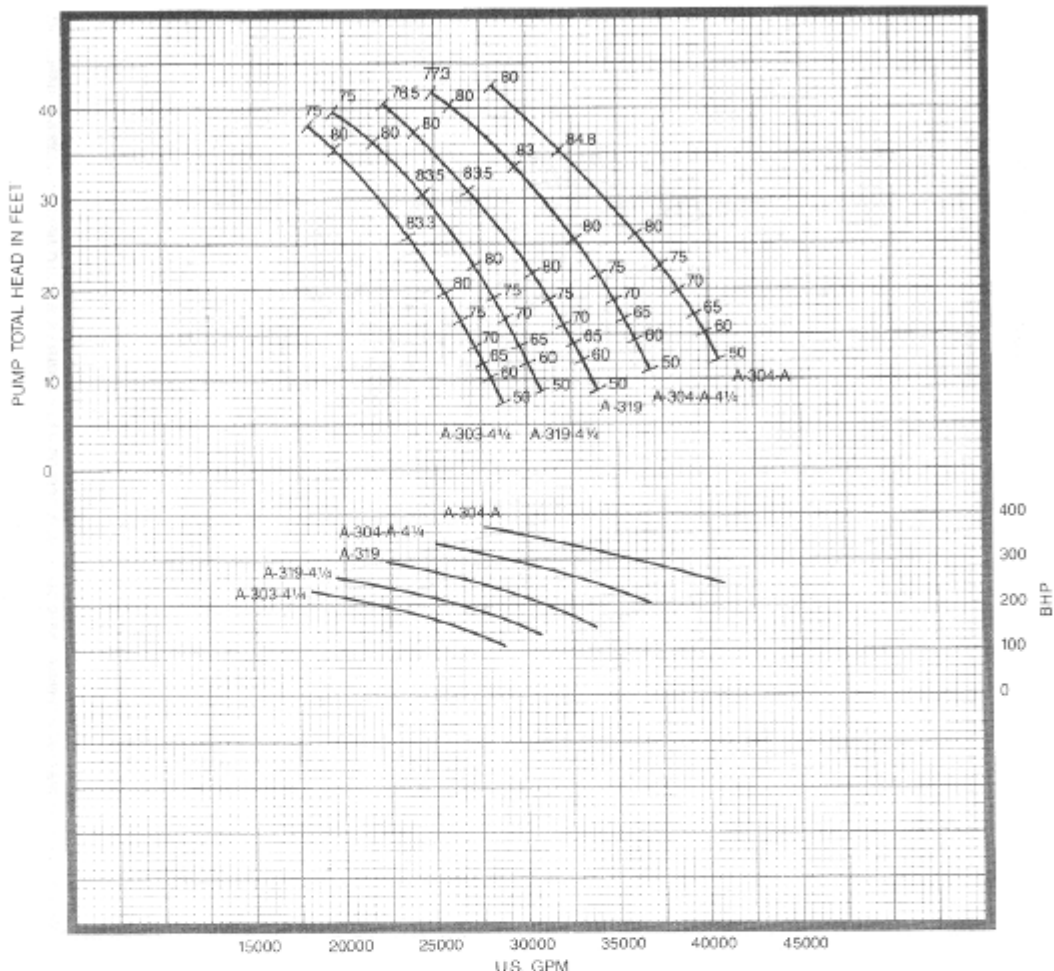
2
STAGE

36"
COLUMN

36"
FABRICATED
STEEL ELBOW

2-15/16"
LINESHAFT

5"
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	2.9375 IN.
MAXIMUM SPHERE SIZE	5.00 IN.
K _t (THRUST FACTOR)	320 SQ. IN.
K _a (TOTAL ROTOR WEIGHT)	940 LBS.
K _s (SETTING CONSTANT)	23.0 LBS./FT.
WK ²	776 LBS.-FT. ²
BOWL ASSEMBLY WEIGHT	4150 LBS.
EYE AREA: PROPELLER NO. A-303-4 1/4	537.4 SQ. IN. 3 VANE
PROPELLER NO. A-319-4 1/4	537.4 SQ. IN. 3 VANE
PROPELLER NO. A-319	587.5 SQ. IN. 3 VANE
PROPELLER NO. A-304-A-4 1/4	537.4 SQ. IN. 4 VANE
PROPELLER NO. A-304-A	587.5 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.

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