

CURVE data



No. Stages	Eff. Change	MATERIAL	Eff. Change
1		IMP. - C.I.	
2		IMP. - NI-RI	
3		BOWL - BRZ.	
4		BOWL - NI-R.	

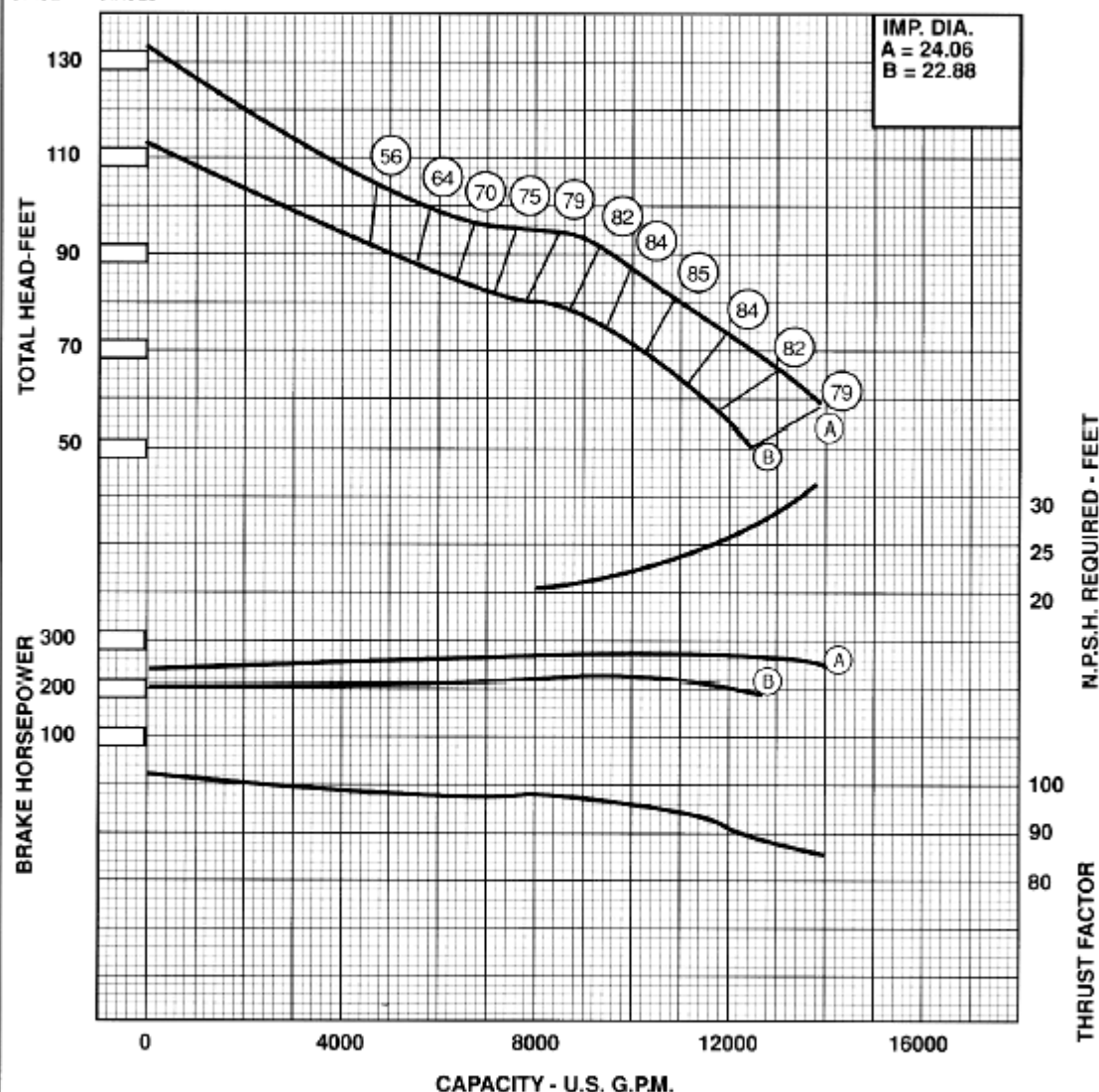
36HM

880 R.P.M.

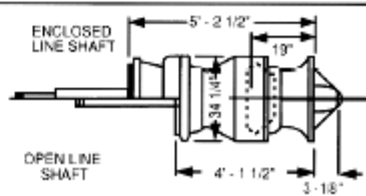
SINGLE STAGE LAB PERFORMANCE WITH STANDARD MATERIALS. EFFICIENCY SHOWN FOR 1 OR MORE STAGES. HORSE POWER SHOWN FOR ONE STAGE BASED ON 1 STAGE EFFICIENCY. CORRECTIONS SHOULD BE MADE FOR STAGES AND MATERIAL.

ONE ()
STAGE STAGES

PUMP PERFORMANCE



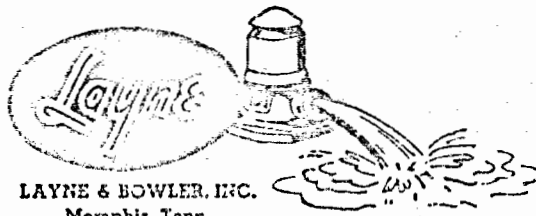
EYE AREA - SQ. IN.	= 205	IMPELLER WT. - LBS.	= 310
WR' PER IMPELLER LB.-FT. ²	= 160 LB.-FT. ²	ONE STAGE WT. - LBS.	= 4000
MAX. SPHERE SIZE	= — IN.	ADD'L STAGE WT. - LBS.	= 2370
MAX. NO. STD. STAGES	= 5	IMPELLER NUMBER	= —
MAX. OPERATING - P.S.I.	= 320	DISCH. - SIZES	= 20, 24
STD. LATERAL - IN.	= 1.12 IN.	SUCTION - SIZES	= BELL
STD. SHAFT DIA. - IN.	= 3.437 IN.	MAX LATERAL - IN.	= — IN.
MAX. SHAFT DIA. - IN.	= — IN.	BOWL CONN. FLANGED-KEYED	
MIN. SUBMERGENCE - IN.	= 28 IN.	ADD 2' - 8 1/2" PER ADDITIONAL STAGE.	



Curves reflect typical performance. refer to factory for certification

CHANGE EFFICIENCY AS FOLLOWS	NUMBER OF POINTS	FOR NUMBER OF STAGES

NOTE: ANY CHANGE IN EFFICIENCY
CHANGES EITHER THE HEAD OR
HORSE POWER IN PROPORTION.

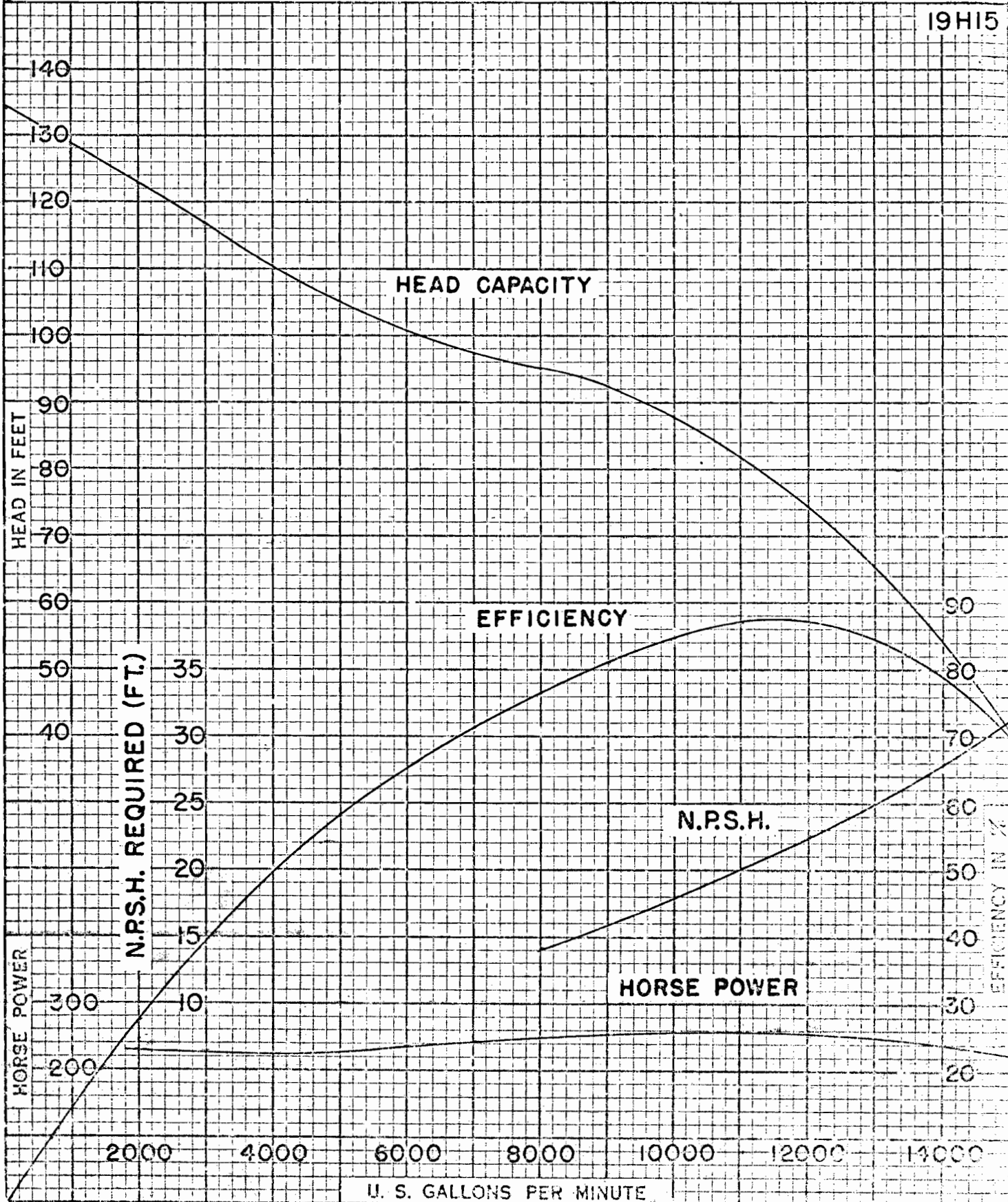


LAYNE & BOWLER, INC.
Memphis, Tenn.

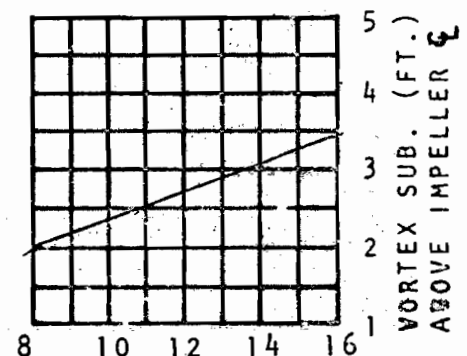
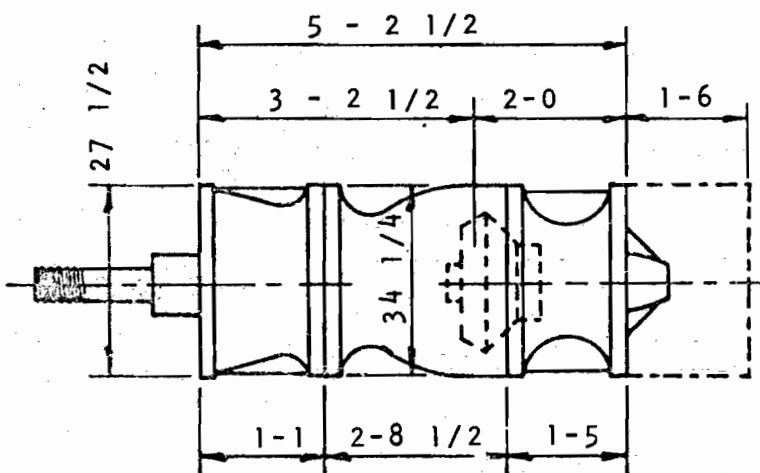
38" HM
880 RPM

SINGLE STAGE LABORATORY
HEAD & HORSE POWER
THRUST "K" = 94

19H15



IMPELLER (PATTERN NO.)	19H15
INTERMEDIATE (PATTERN NO.)	19H8
SHAFT SIZE (INCHES)	3 7/16 - 1900 HP
TUBE SIZE (INCHES)	5
STANDARD LATERAL (INCHES)	1 1/8
DISCHARGE CONNECTION (FLANGED) (INCHES)	24
SUCTION CONNECTION	BELL
IMPELLER FULL DIAMETER (INCHES)	24 1/16
IMPELLER EYE AREA (INCHES SQUARED)	205
IMPELLER EYE DIAMETER (INCHES)	17
IMPELLER WEIGHT (LB)	360
IMPELLER WR ² (LB FT. SQUARED)	160
MAXIMUM DIAMETER SOLID (INCHES)	2 1/2
MAXIMUM WORKING PRESSURE (PSI)	328
MAXIMUM HYDROSTATIC PRESSURE (PSI)	436
MAXIMUM PRESSURE (STANDARD STUDS) (PSI)	258
MAXIMUM STAGES (BOWL PRESSURE)	5
MAXIMUM STAGES (SHAFT)	7
BOWL WEIGHT (ONE STAGE) (LB) (NET)	3866
BOWL WEIGHT (ADDITIONAL STAGES) (LB) (NET)	2370



GPM X 1000