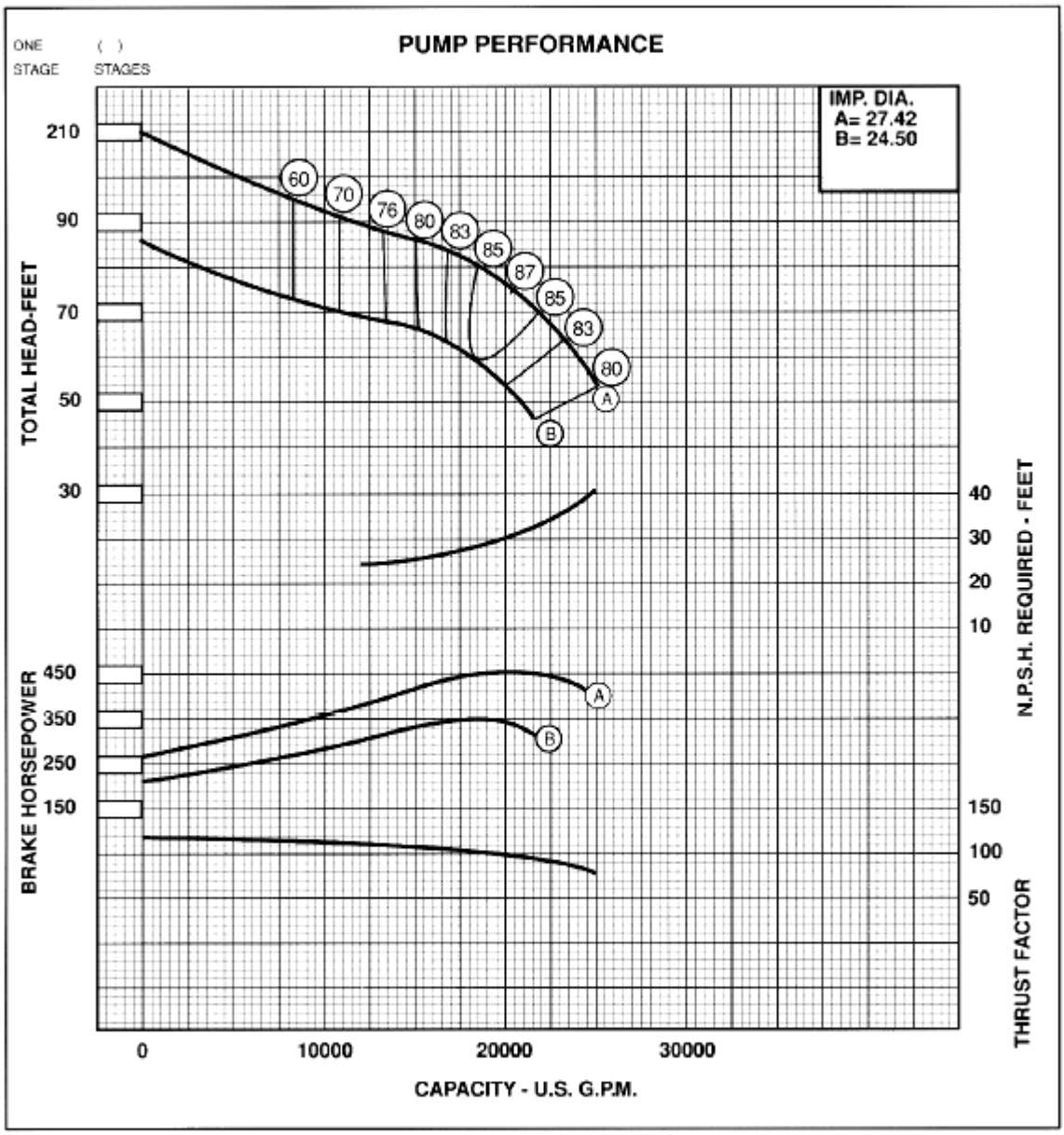
CURVE data

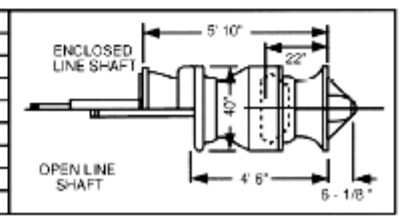
No. Stages	Eff. Change	MATERIAL	Eff. Change
1		IMP. – C.I.	
2		IMP. – NI-RI	
3		BOWL – BRZ.	
4		BOWL – NI-R.	

42 RKHC **710** 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.



EYE AREA - SQ. IN.	= 270	IMPELLER WT. - LBS.	= 425
WR² PER IMPELLER LB.-FT.²	= 300 LB.-FT²	ONE STAGE WT. - LBS.	= 5905
MAX. SPHERE SIZE	= — IN	ADD'L STAGE WT. - LBS.	= 3352
MAX. NO. STD. STAGES	= 3	IMPELLER NUMBER	= —
MAX. OPERATING - P.S.I.	= 310	DISCH. - SIZES	= 30
STD. LATERAL - IN.	= 1.00 IN	SUCTION - SIZES	= BELL
STD. SHAFT DIA. - IN.	= 3.687 IN	INTERMEDIATE NO.	= —
MAX. SHAFT DIA. - IN.	= — IN	BOWL CONN. FLANGED-KEYED	
MIN. SUBMERGENCE - IN.	= 48 IN	ADD 3' - 0" PER ADDITIONAL STAGE.	



Curves reflect typical performance, refer to factory for certification

CURVE NO.

CHANGE EFFICIENCY AS FOLLOWS	NUMBER OF POINTS	FOR NUMBER OF STAGES

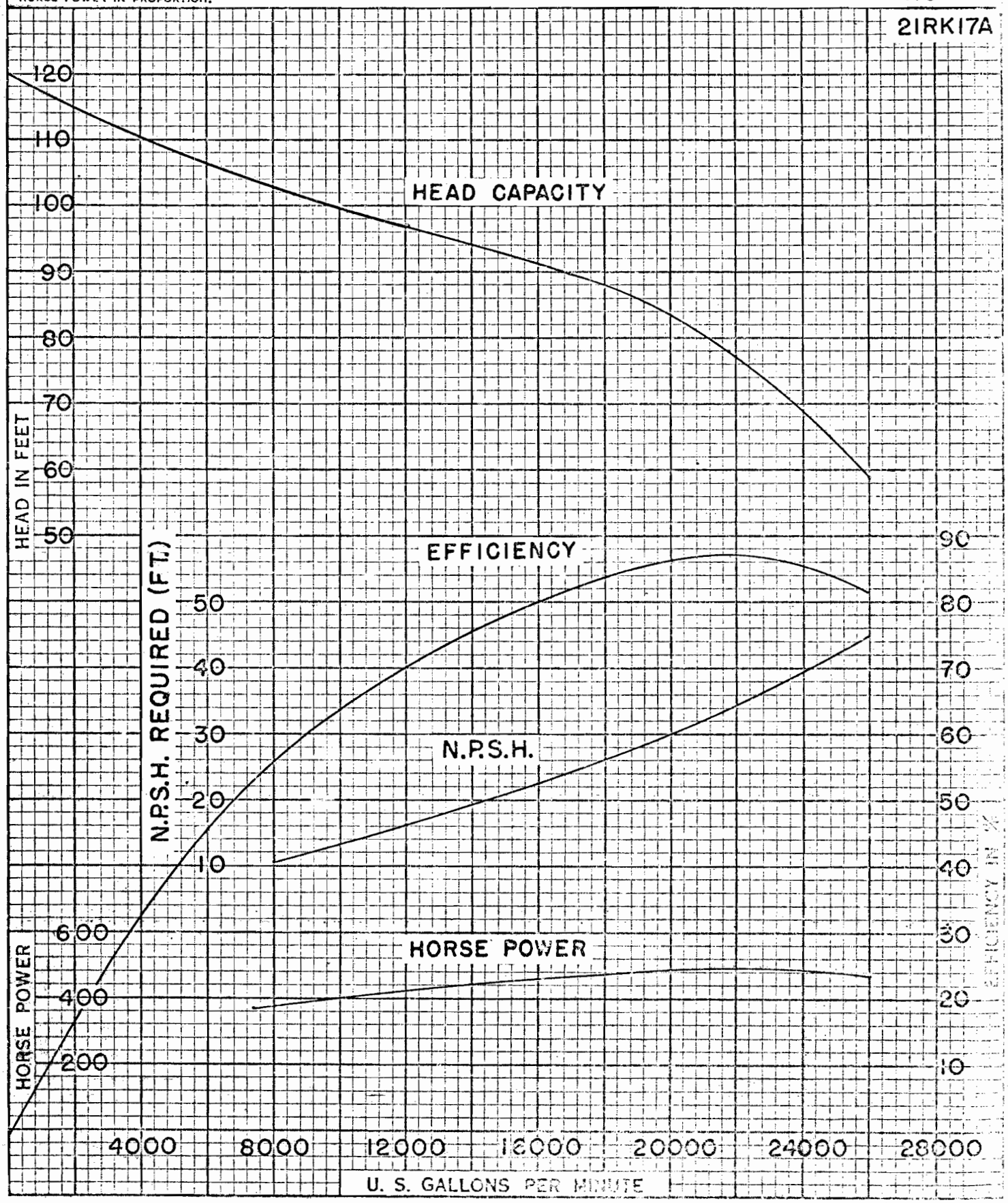
NOTE: ANY CHANGE IN EFFICIENCY CHANGES EITHER THE HEAD OR HORSE POWER IN PROPORTION.

LAYNE & BOWLER, INC.
Memphis, Tenn.

42" RKHC
710 RPM

SINGLE STAGE LABORATORY
HEAD & HORSE POWER
THRUST "K" = 115

21RK17A



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