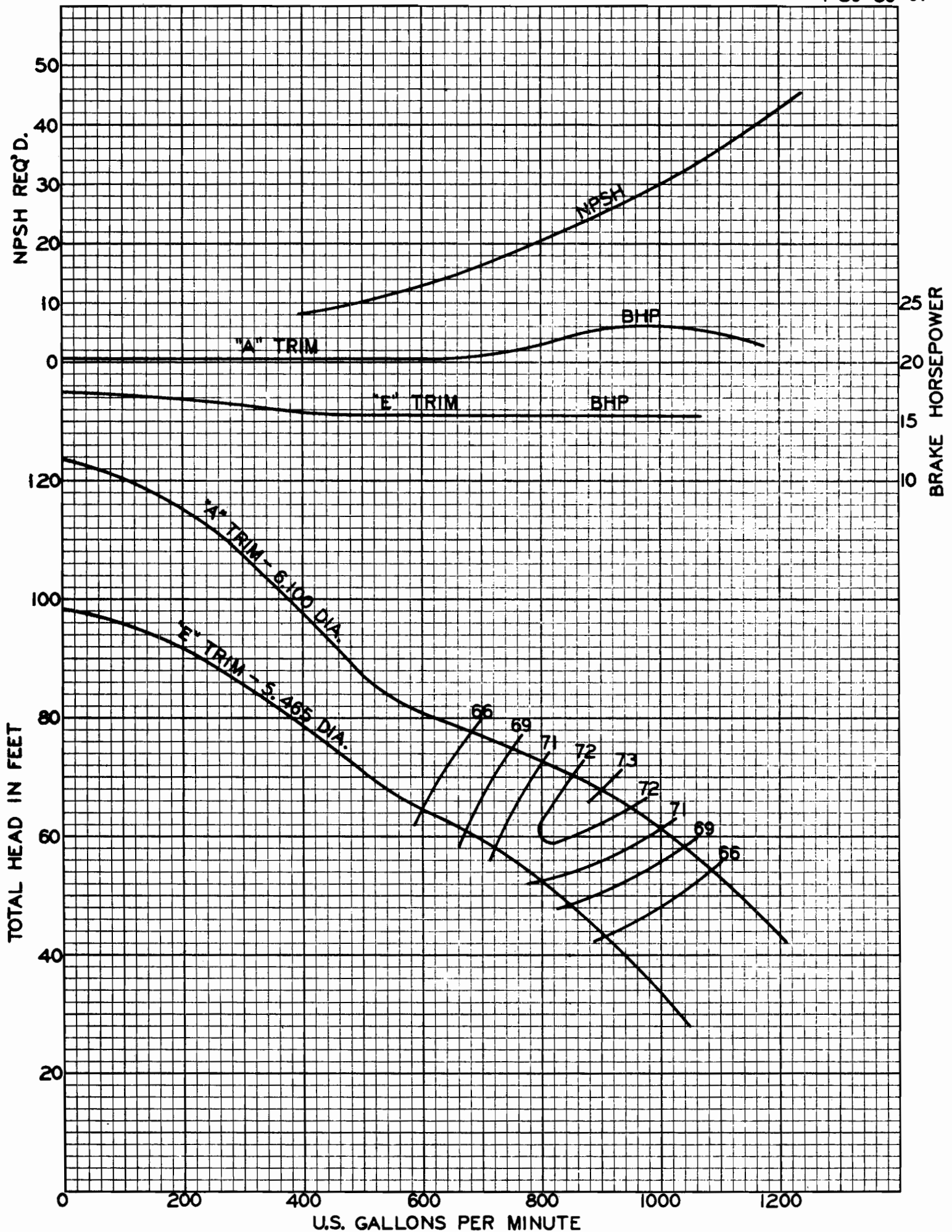


8HC-850 SINGLE STAGE PERFORMANCE

1-30-80 61



(CAST)
 IMPELLER NO. 56538 .TYPE CLOSED .DIAMETER : A 6.100" , B 5.465" , C -" , D -" ,
 EFFICIENCY CORRECTION: ONE STAGE DEDUCT 3 % , TWO STAGE DEDUCT 2 % , THREE STAGE DEDUCT 1 % , FOUR STAGE DEDUCT 0 %
 EFFECTIVE EYE AREA 18.11 sq. inches. NUMBER OF VANES 7 . THRUST CONSTANT K 7.29 lbs./ft. of head. WEIGHT 4.5 lbs.
 WR2 .126 lbs. ft.². EYE FLUID VELOCITY CK .0224 ft./sec./GPM. PERIPHERAL VELOCITY 15.3 ft./sec./inch of impeller dia.

BOWL DATA

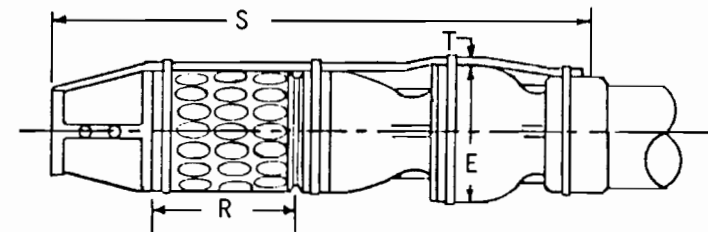
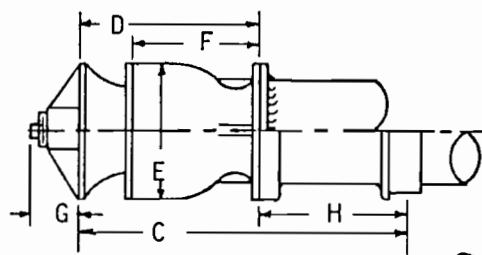
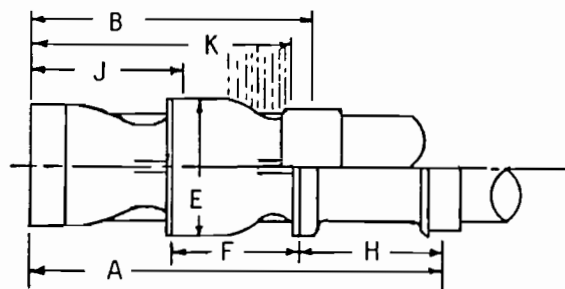
BOWL NO. 28097 . CONNECTION TYPE SCREWED . NOMINAL DIAMETER (E) 7-1/8" . MINIMUM DIAMETER (E) -" .
 COLUMN PIPE SIZE 6" STANDARD, -" MAXIMUM, -" MINIMUM. SUCTION PIPE SIZE -" STANDARD, -" MAXIMUM.
 PUMP SHAFT DIAMETER 1.250" STANDARD, -" MAXIMUM. LATERAL -" STANDARD, -" MAXIMUM.
 SHAFT BEARING CLEARANCE 0.12 . IMPELLER SKIRT CLEARANCE .023 . MAXIMUM NUMBER OF STAGES _____ (std. construction).
 MAXIMUM HEAD _____ ft. (std. construction). MAXIMUM SPHERE SIZE _____" .
 PROJECTIONS ABOVE COLUMN PIPE BUTT: TUBE 6"; SHAFT 14" - FOR EITHER OPEN OR ENCLOSED LINESHAFT.

DIMENSIONS

A-Length one stage assembly with discharge bowl.
 B-Length one stage assembly less discharge bowl.
 C-Length one stage assembly with discharge bowl and bell.
 D-Length one stage assembly less discharge bowl with bell.
 E-Bowl Diameter.
 F-Length of additional stage.

G-Hub projection on bell suction.
 H-Length of discharge bowl.
 J-Length of impeller eye above bottom of bowl.
 K-Minimum required submergence.
 R-Length submersible suction inlet.
 S-Length one stage submersible assembly.
 T-Height of cable guard.

DIMENSION	A	B	C	D	E	F	G	H	J	K	R	① S	T
INCHES					7-1/8	6-1/2					②	23-3/16	
												③	25-9/16



- ① - DOES NOT INCLUDE 1" FOR THE THRUST BEARING
EXTENSION PORTION OF THE DISCHARGE HEAD.
 ② - 6" MOTOR
 ③ - 8" MOTOR