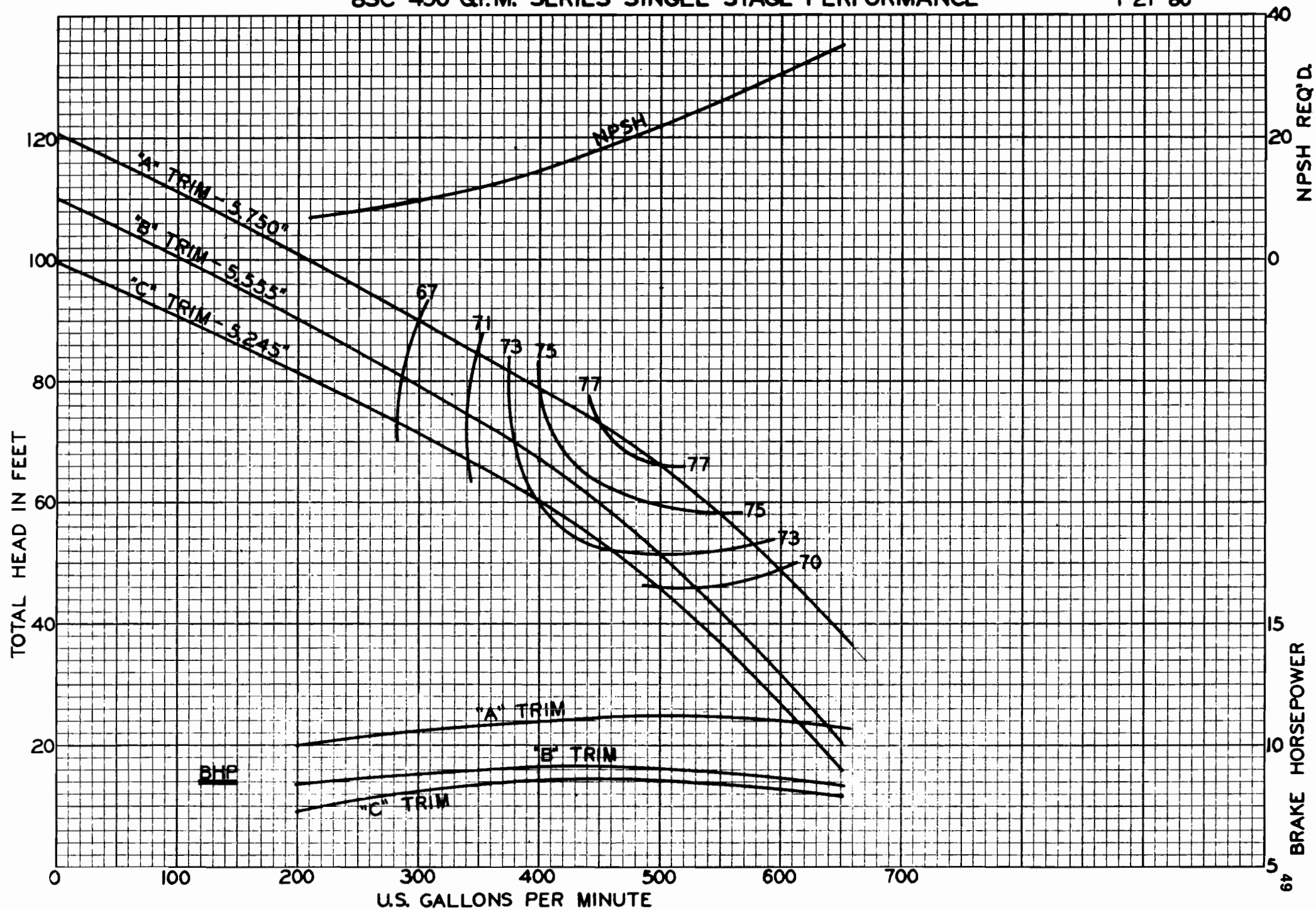


8SC 450 G.P.M. SERIES SINGLE STAGE PERFORMANCE

1-21-80



(CAST)

IMPELLER NO. 56532 .TYPE CLOSED .DIAMETER : A 5.750", B 5.555", C 5.245", D - "EFFICIENCY CORRECTION: ONE STAGE DEDUCT 3 %, TWO STAGE DEDUCT 2 %, THREE STAGE DEDUCT 1 %, FOUR STAGE DEDUCT 0 %EFFECTIVE EYE AREA 11.79 sq. inches. NUMBER OF VANES 6 . THRUST CONSTANT K 4.57 lbs./ft. of head. WEIGHT 4.0 lbs.WR2 .100 lbs. ft.². EYE FLUID VELOCITY CK .033 ft./sec./GPM. PERIPHERAL VELOCITY 15.3 ft./sec./inch of impeller dia.

BOWL DATA

BOWL NO. 28605 . CONNECTION TYPE BOLTED . NOMINAL DIAMETER (E) 7-1/4 ". MINIMUM DIAMETER (E) - "COLUMN PIPE SIZE 5 "STANDARD, 6 "MAXIMUM, - "MINIMUM. SUCTION PIPE SIZE - "STANDARD, - "MAXIMUM.PUMP SHAFT DIAMETER 1.250 "STANDARD, - "MAXIMUM. LATERAL - "STANDARD, - "MAXIMUM.SHAFT BEARING CLEARANCE .012 . IMPELLER SKIRT CLEARANCE .013 . MAXIMUM NUMBER OF STAGES 12 (std. construction).MAXIMUM HEAD 1240 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.

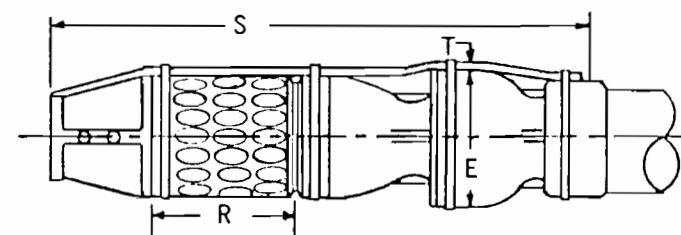
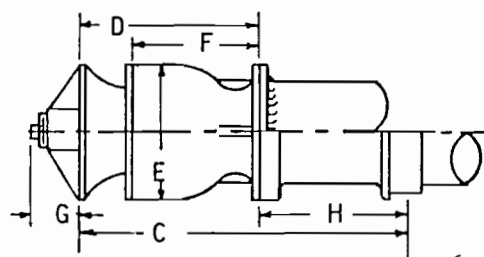
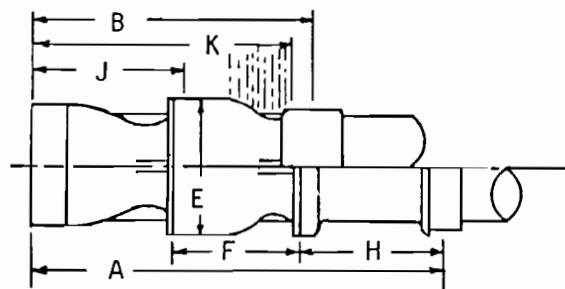
K-Minimum required submergence.

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					7-1/4	6"					3-1/16	[2] 24-7/8	1/2
												[3] 26-3/8	

[1] - DOES NOT INCLUDE 1" FOR THE THRUST BEARING
EXTENSION PORTION OF THE DISCHARGE HEAD.

[2] - 6" MOTOR

[3] - 8" MOTOR