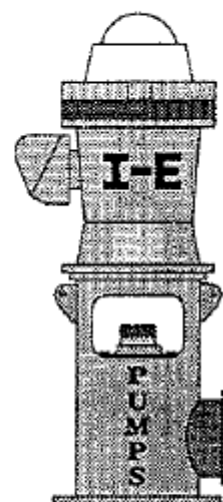
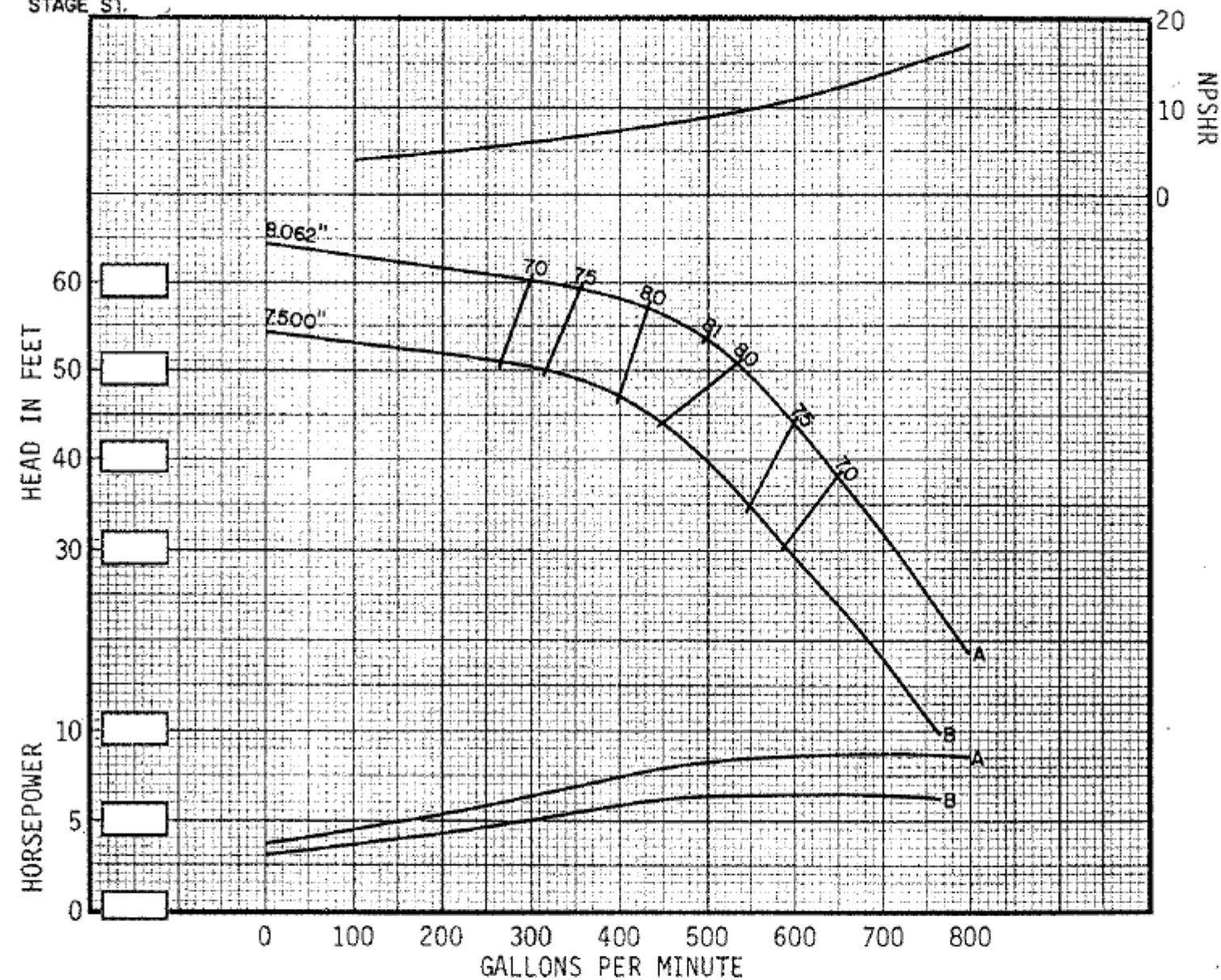


ONE
STAGE S1.



1567 E. HWY. 160
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SECTION N
PAGE 211
DATE 10-11-90

I-E
"TOP-O-THE LINE"

10DH-500
DESIGN

1770
R.P.M.

IMPELLER DATA

TRIM DIAMETER: A 8.062 " B 7.500 " C 7.500 " D 7.500 " E 7.500 " F 7.500 " G 7.500 " H 7.500 " I 7.500 " J 7.500 " K 7.500 " L 7.500 " M 7.500 " N 7.500 " O 7.500 " P 7.500 " Q 7.500 " R 7.500 " S 7.500 " T 7.500 " U 7.500 " V 7.500 " W 7.500 " X 7.500 " Y 7.500 " Z 7.500 "

One stage deduct -4 %, 2 stage deduct -3 %, 3 stage deduct -2 %.

EFFICIENCY CORRECTION: 0 stage add 0 %, 0 stage add 0 %, 0 stage add 0 %.

EFFECTIVE IMPELLER EYE AREA 13.22 sq. inches NUMBER OF IMPELLER VANES 12

THRUST CONSTANT (K) 5.3 Lbs./Ft. WR^2 (See Note #) 315 Lbs. Ft.² MAXIMUM SPHERE SIZE .625 "

IMPELLER EYE FLUID VELOCITY CONSTANT (K_e) 0.000 IMPELLER PERIPHERAL SPEED CONSTANT (N_i) 0.000 (Ft./Sec.) 0.000 (Ft./Min.)

BOWL ASSEMBLY DATA

NOMINAL DIAMETER = 10.1875 ", MINIMUM DIAMETER = 9.9375 ", BELL DIAMETER 11.375 ", MIN. BELL DIAMETER 10.375 "
 MAXIMUM NO. STAGES (Std. Constr.) 9 MAXIMUM HEAD (Std. Constr.) 1096 Ft.
 DIAMETER IMPELLER SHAFT 1500 " MINIMUM IMPELLER SHAFT THREADS _____ "
 LATERAL (See explanation below)* NOMINAL _____ " MINIMUM _____ " STANDARD .750 " MAXIMUM _____ "
 WEAR RING CLEARANCE (Nominal) .012 " SHAFT / BEARING CLEARANCE (Nominal) .007 "
 FORMULAS: HYDRAULIC THRUST = K Factor x Laboratory Head in feet = 470 Lbs.
 IMPELLER PERIPHERAL SPEED (U_2) = N_1 Constant x Impeller Diameter _____ Ft./Sec. or _____ Ft./Min.
 IMPELLER EYE FLUID VELOCITY (V_e) = K_e Constant x GPM = _____ Ft./Sec.
 NOTE @ = per impeller, WR² includes impeller, impeller collet, and a stage length of impeller shaft
 NOTE * = see lateral definition on Page 8.1, Section 2.1, dated 2/15/63.
 NOTE - NOMINAL PROJECTIONS ARE: SHAFT = 14 " Tube = 6 "
 (referenced pipe butt or flange face)

A - Length one-stage assembly / threaded suction
 B - Length one-stage assembly / bell suction
 C - Additional stage length
 D - Bowl diameter
 E - Bell diameter
 F - Projection of bearing hub / bell suction
 G - O.D. bell suction basket strainer
 J - Basket length below bell suction lip
 K - Minimum required submergence, above bottom of bearing hub

APPLICABLE DIMENSIONS

[illegible]