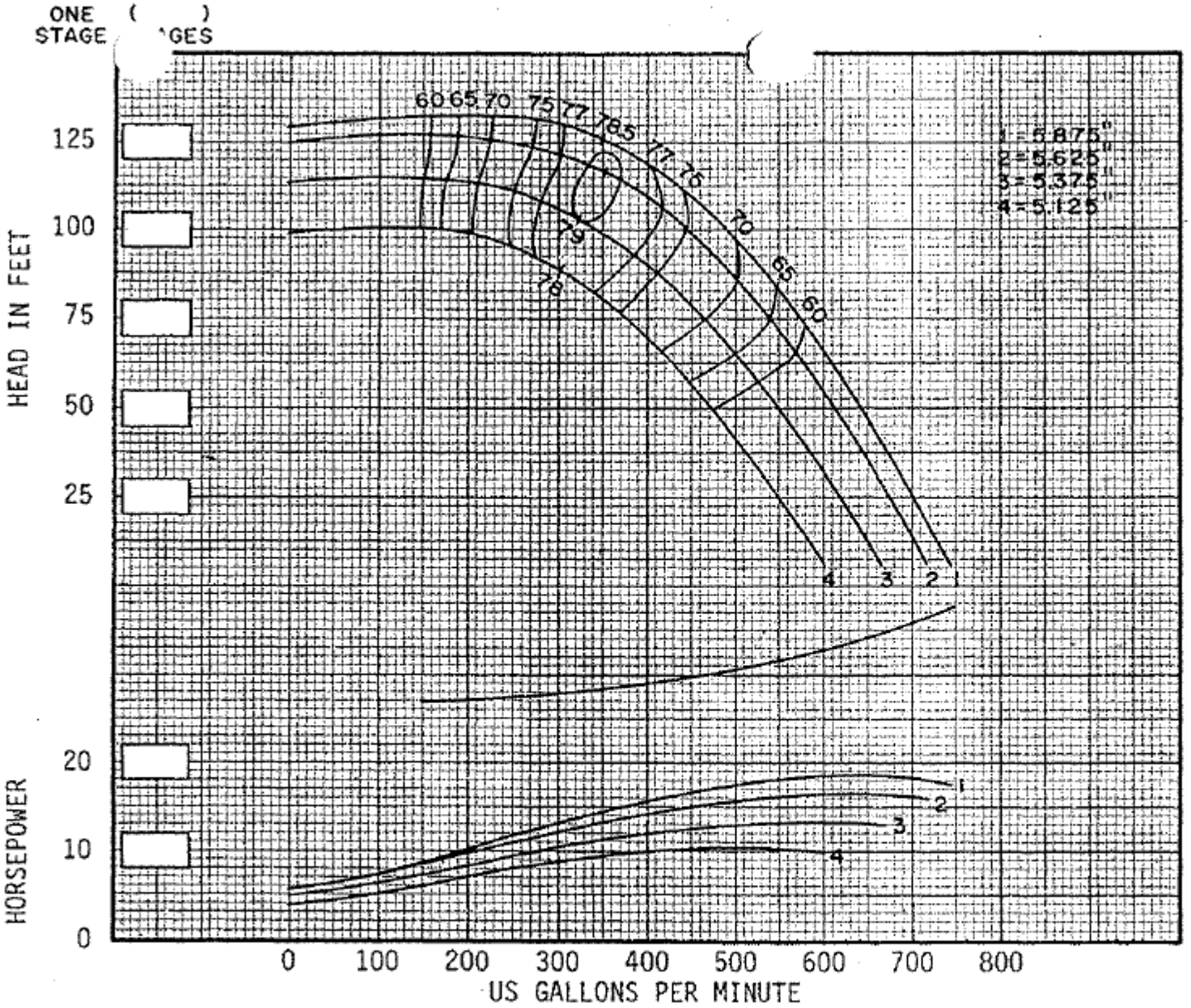

1567 E. HWY. 160
P.O. BOX 112
MONTE VISTA
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(719) 852-5174

I-E

"TOP-O-THE LINE"

8SH-350
DESIGN

3450
R.P.M.

SECTION O
PAGE 807
DATE 4-18-91

IMPELLER DATA

TRIM DIAMETER: A 5.875 ", B 5.625 ", C 5.375 ", 5.125 ", --- ", --- "
One stage deduct 4 %, two stage deduct 3 %, three stage deduct 2 %
EFFICIENCY CORRECTION: 5 stage add 0 %, -- stage add -- %, --- stage add --- %
EFFECTIVE IMPELLER EYE AREA 8.63 sq. inches NUMBER OF IMPELLER VANES --
THRUST CONSTANT (K) 3.6 Lbs./Ft. WR^2 (See Note 6) .105 Lbs./Ft.2 MAXIMUM SPHERE SIZE .750
IMPELLER EYE FLUID VELOCITY CONSTANT (K_e) -- IMPELLER PERIPHERAL SPEED CONSTANT (N_1) -- (Ft/Sec) -- (Ft/Min)

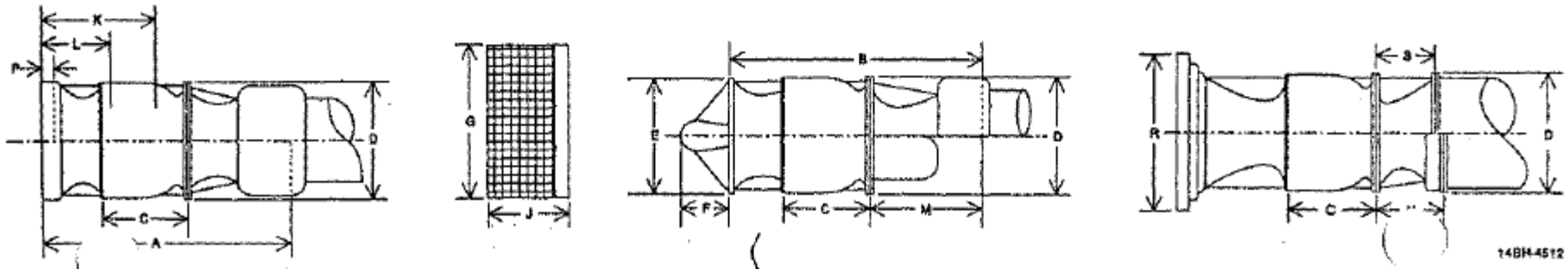
BOWL ASSEMBLY DATA

NOMINAL DIAMETER = 7.875 ", MINIMUM DIAMETER = -- ", BELL DIAMETER 11.375 ", MIN. BELL DIAMETER -- "
MAXIMUM NO. STAGES (Std. Constr.) 17 MAXIMUM HEAD (Std. Constr.) 1104 Ft
DIAMETER IMPELLER SHAFT 1.25 ", MINIMUM IMPELLER SHAFT THREADS -- "
LATERAL (See explanation below)* NOMINAL -- ", MINIMUM - ", STANDARD -- ", MAXIMUM -- "
WEAR RING CLEARANCE (Nominal) .012 ", SHAFT/BEARING CLEARANCE (Nominal) .007 "
FORMULAS: HYDRAULIC THRUST=K Factor x Laboratory Head in feet= -- 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. WR^2 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
L - Bottom of bearing hub to impeller eye
M - Pipe butt to top bowl flange
N - Column pipe flange to bowl flange
P - Suction case (or coupling) thread engagement
R - Suction case flange diameter
S - Flange to flange/bowl to column

APPLICABLE DIMENSIONS

DIMENSION	A	B	C	D	E	F	G	J	K	L	M	N	P	R	S
INCHES	18.625	--	6.375	7.875	-	2.75	-	-	11	-	-	-	-	-	-



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