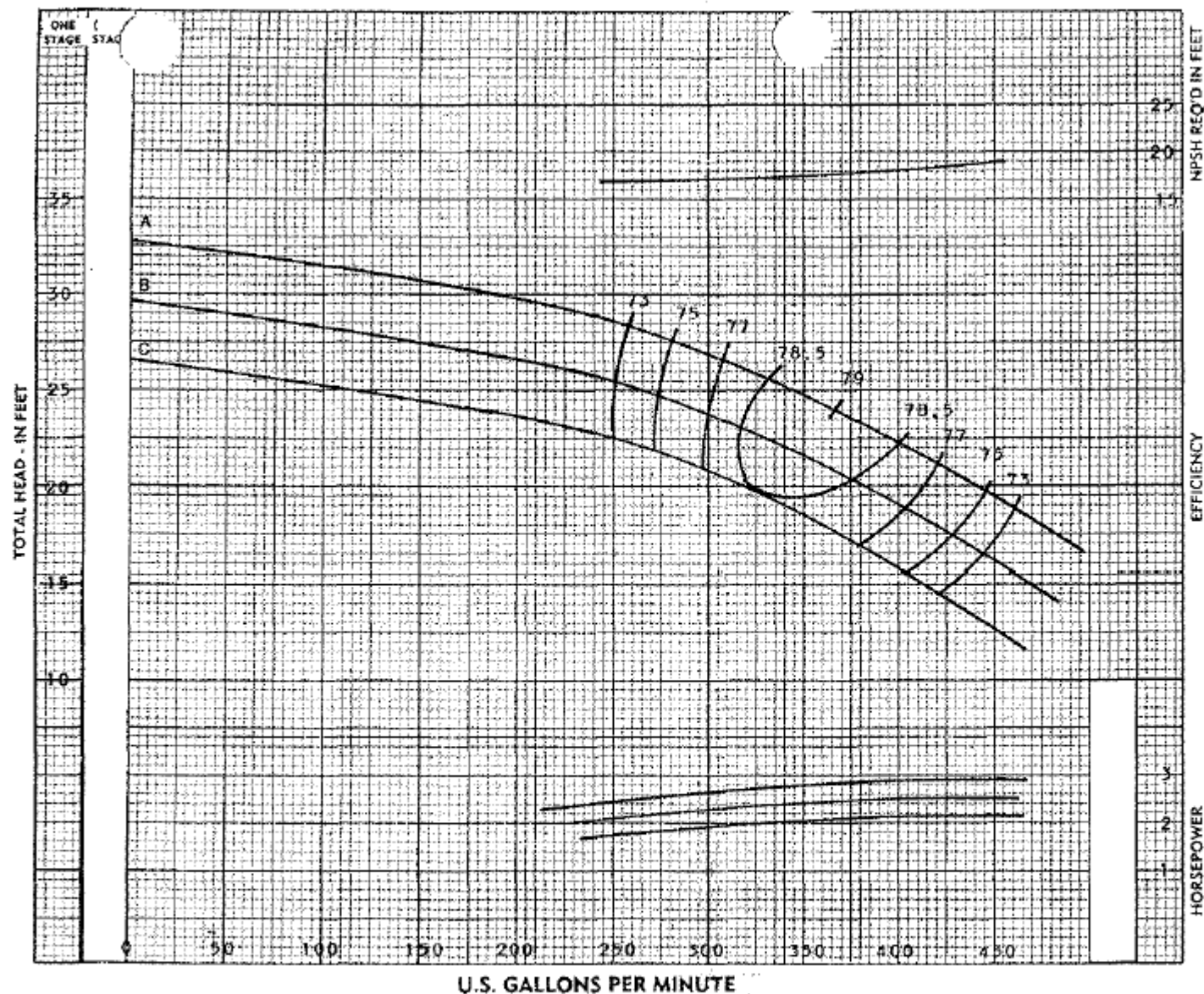


1567 E. HWY. 160
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MONTE VISTA
COLORADO 81144

(719) 852-5174

SECTION N
PAGE 109
DATE 12-19-90

I-E
"TOP-O-THE LINE"

8AH-367

DESIGN

1750

R.P.M.

TRIM DIAMETER: A 5.969 ", B 5.750 ", C 5.469 ", -- " , -- " , -- "

One stage deduct 2 % , two stage deduct 1 % , -- stage deduct -- %

EFFICIENCY CORRECTION: 5 stage add 0 % , -- stage add -- % , -- stage add -- %

EFFECTIVE IMPELLER EYE AREA 10.4 sq. inches NUMBER OF IMPELLER VANES EIGHT (8)

THRUST CONSTANT (K) 7.6 Lbs./Ft. WR_2 0.160 Lbs./Ft.2 MAXIMUM SPHERE SIZE 9/16

IMPELLER EYE FLUID VELOCITY CONSTANT (K_e) .030 IMPELLER PERIPHERAL SPEED CONSTANT (N_i) 7.65 (Ft/Sec) 459.0 (Ft/Min)

BOWL ASSEMBLY DATA

NOMINAL DIAMETER = 7-1/2 " , MINIMUM DIAMETER = 7-7/16 " , BELL DIAMETER 11.50 " , MIN. BELL DIAMETER 11.50 "

MAXIMUM NO. STAGES (Std. Constr.) 35 MAXIMUM HEAD (Std. Constr.) 810 Ft

DIAMETER IMPELLER SHAFT 1-3/16 " , MINIMUM IMPELLER SHAFT THREADS 3/4 "

LATERAL NOMINAL .437 " , MINIMUM .310 " , STANDARD .375 " , MAXIMUM .687 "

WEAR RING CLEARANCE (Nominal) .014 " , SHAFT/BEARING CLEARANCE (Nominal) .007

NOMINAL SHAFT PROJECTION = 14 "

NOMINAL TUBE PROJECTION = 6 "

DIMENSIONS

A- LENGTH ONE STAGE ASSEMBLY
 B- LENGTH ONE STAGE ASSEMBLY/BELL SUCTION
 C- ADDITIONAL STAGE LENGTH
 D- BOWL DIAMETER
 E- BELL DIAMETER
 F- SHAFT LENGTH
 G- O.D. BELL SUCTION STRAINER
 J- BASKET LENGTH BELOW BELL LIP

K- SUCTION CASE LENGTH
 L- SHAFT PROJECTION (STICK UP)
 *M- TOP BOWL LENGTH (FLANGE TO COUPLING BUTT)
 N- TUBE PROJECTION (STICK UP)
 P- SUCTION CASE (OR COUPLING) THREAD ENGAGEMENT
 S- BELL SUCTION DROP

* ADD 2" TO "M" DIMENSION TO OBTAIN FLANGE TO PIPE BUTT DIMENSION.
 FURTHER ENGINEERING DATA AVAILABLE UPON REQUEST

DIMENSION	A	B	C	D	E	F	G	J	K	L	M	N	P	R	S
INCHES	20-3/8	22-7/8	6-1/2	7-1/2	11-1/2	33-3/8	12-3/4	6	6-7/8	8	5	6	2	.	2-1/2

