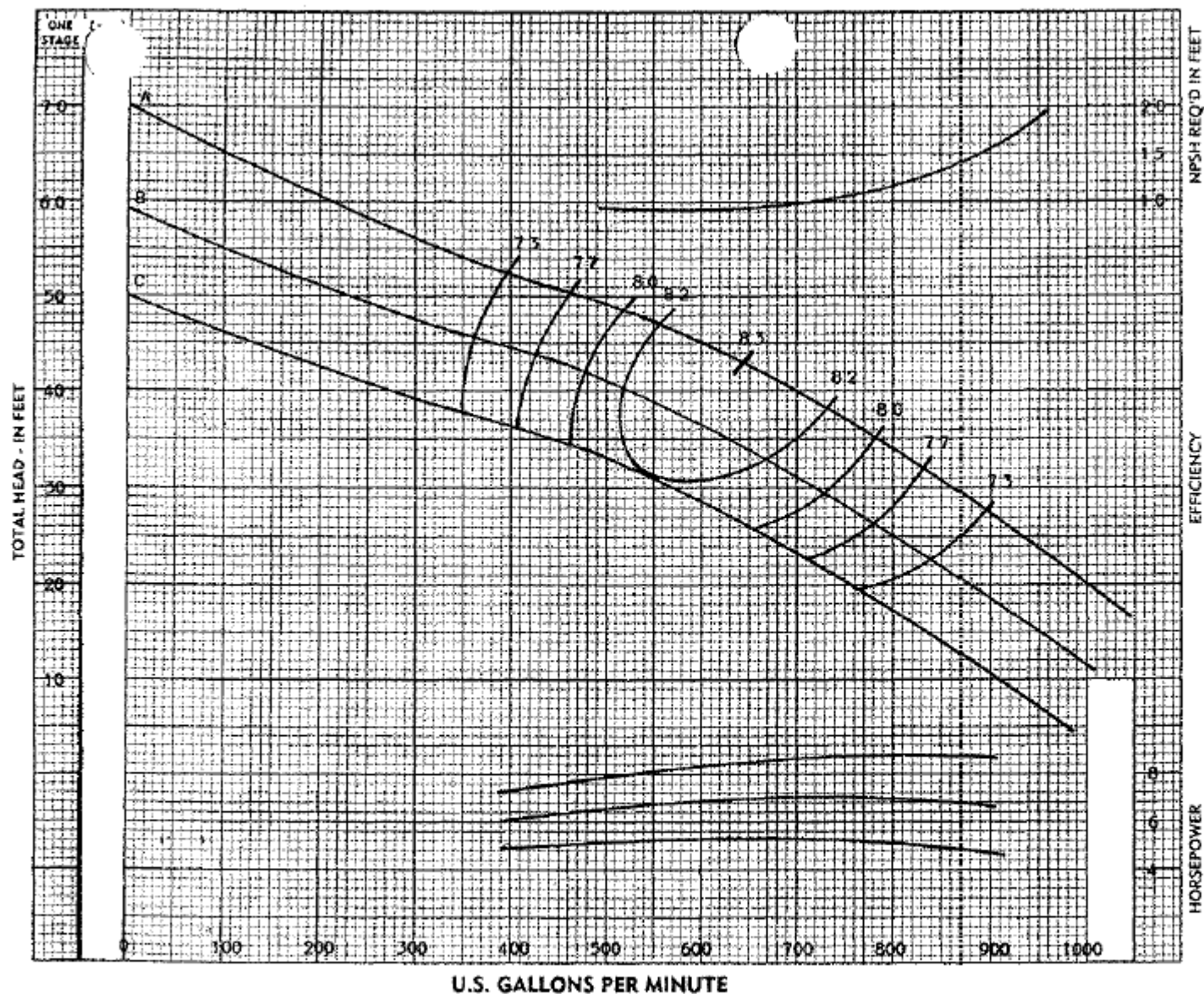




1567 E. HWY. 160
P.O. BOX 112
MONTE VISTA
COLORADO 81144

(719) 852-5174

I-E
"TOP-O-THE LINE"

10AM-645
DESIGN

1770
R.P.M.

SECTION N
PAGE 115
DATE 12-19-90

TRIM DIAMETER: A 7.750 ", B 7.375 ", C 7.000 ", -- " , -- " , -- "

One stage deduct 3 % , two stage deduct 1.5 % , three stage deduct 1 %

EFFICIENCY CORRECTION: 7 stage add 1 % , -- stage add -- % , -- stage add -- %

EFFECTIVE IMPELLER EYE AREA 18.1 sq. inches NUMBER OF IMPELLER VANES SIX (6)

THRUST CONSTANT (K) 8.34 Lbs./Ft. WR_2 .590 Lbs./Ft.² MAXIMUM SPHERE SIZE 1/2

IMPELLER EYE FLUID VELOCITY CONSTANT (K_i) .018 IMPELLER PERIPHERAL SPEED CONSTANT (N_i) 7.73 (Ft/Sec) 463.8 (Ft/Min)

BOWL ASSEMBLY DATA

NOMINAL DIAMETER = 9-3/8 " , MINIMUM DIAMETER = 9-3/8 " , BELL DIAMETER 11-1/2 " , MIN. BELL DIAMETER 11-1/2 "

MAXIMUM NO. STAGES (Std. Constr.) 20 MAXIMUM HEAD (Std. Constr.) 695 Ft

DIAMETER IMPELLER SHAFT 1-11/16 " , MINIMUM IMPELLER SHAFT THREADS 1-3/16 "

LATERAL NOMINAL .440 " , MINIMUM .310 " , STANDARD .375 " , MAXIMUM .625 "

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	26-1/8	28-5/8	8-3/8	9-3/8	11-1/2	38-3/8	12-3/4	6	10-3/4	8	5	6	1-5/8	-	2-1/2

