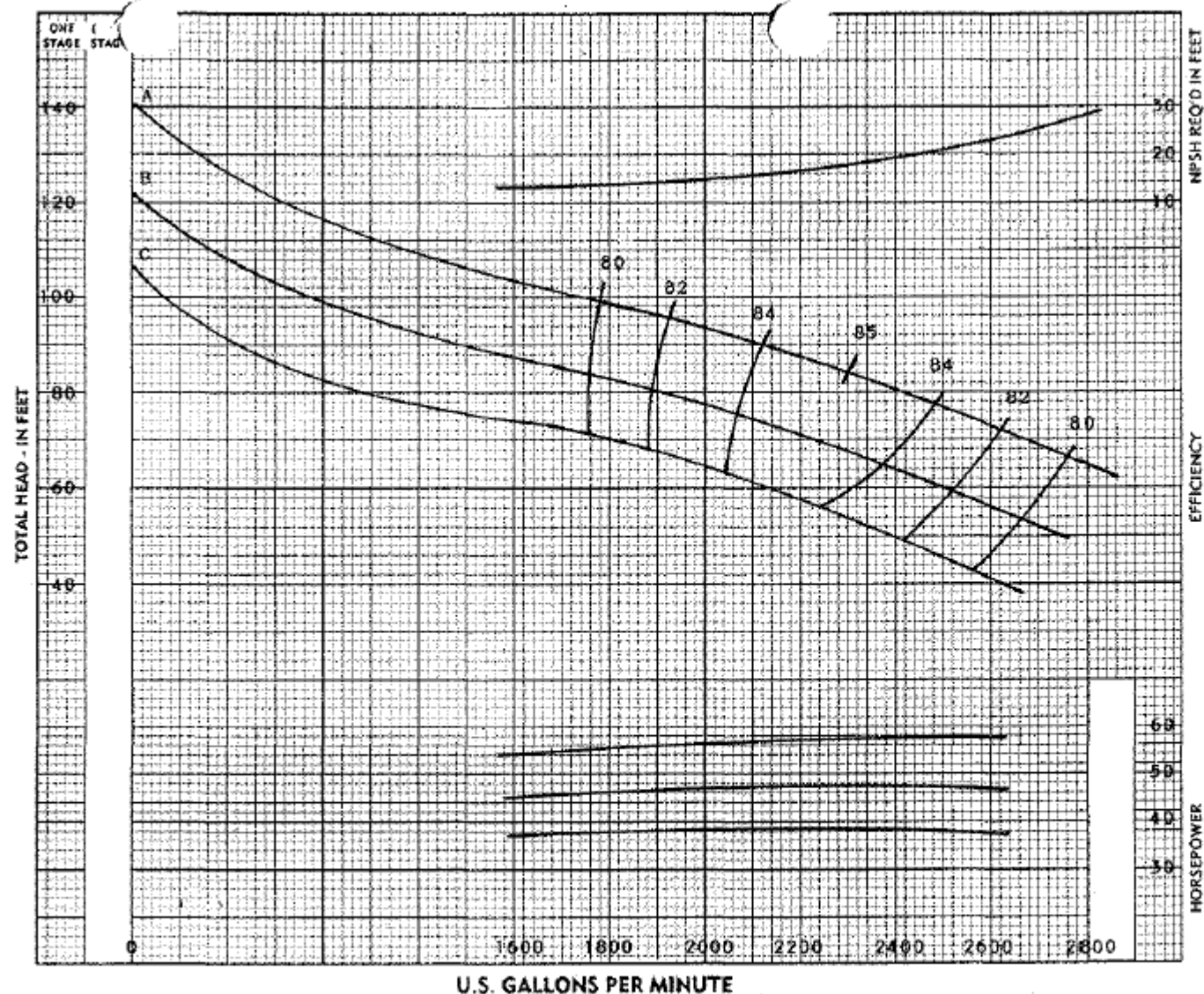


1567 E. HWY. 160
P.O. BOX 112
MONTE VISTA
COLORADO 81144

(719) 852-5174

I-E
"TOP-O-THE LINE"

14AM-2300
DESIGN

1770
R.P.M.

SECTION N
PAGE 137
DATE 12-20-90

IMPELLER DATA

TRIM DIAMETER: A 11.500", B 10.875", C 10.400", --", --", --"
 One stage deduct 4%, two stage deduct 2%, -- stage deduct --%
 EFFICIENCY CORRECTION: 6 stage add 1%, 8 stage add 1.5%, -- stage add --%
 EFFECTIVE IMPELLER EYE AREA 41.2 sq. inches NUMBER OF IMPELLER VANES FIVE (5)
 THRUST CONSTANT (K) 19.4 Lbs./Ft. WR, 4.15 Lbs./Ft.2 MAXIMUM SPHERE SIZE 1-1/4
 IMPELLER EYE FLUID VELOCITY CONSTANT (K_i) .0077 IMPELLER PERIPHERAL SPEED CONSTANT (N_i) 7.73 (Ft/Sec) 463.8 (Ft/Min)

BOWL ASSEMBLY DATA

NOMINAL DIAMETER = 14", MINIMUM DIAMETER = 13-7/8", BELL DIAMETER 18-3/8", MIN. BELL DIAMETER 18-3/8"
 MAXIMUM NO. STAGES (Std. Constr.) 20 MAXIMUM HEAD (Std. Constr.) 580 Ft
 DIAMETER IMPELLER SHAFT 2-3/16", MINIMUM IMPELLER SHAFT THREADS 1-1/2"
 LATERAL NOMINAL .750", MINIMUM .625", STANDARD .700", MAXIMUM 1.000"
 WEAR RING CLEARANCE (Nominal) .016", 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	38-5/8	42-5/8	13-3/8	14	18-3/8	50-3/8	19-5/8	10	16	8	7-1/4	6	2-1/2	"	4

