

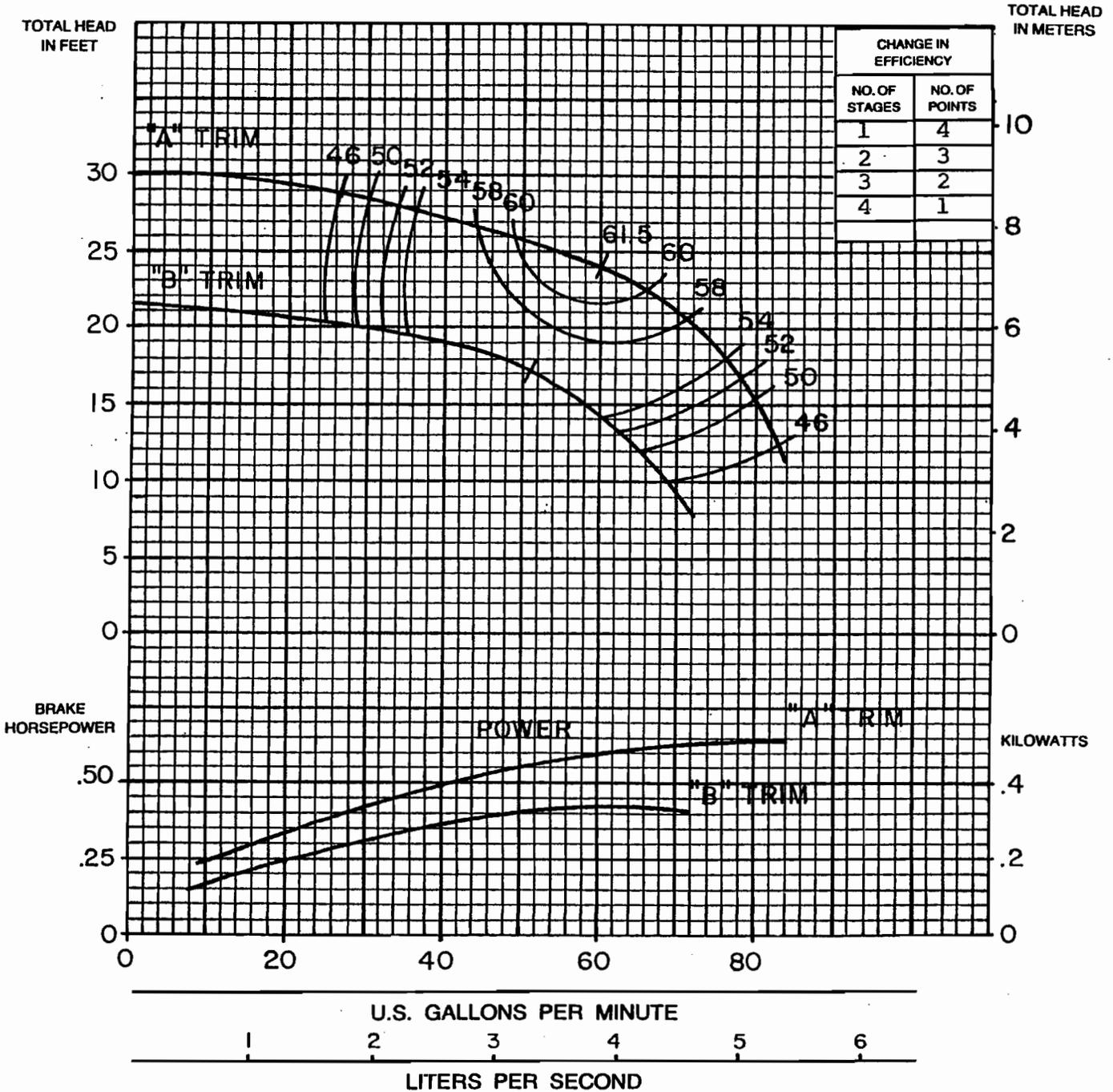


Section 4
 Page 1.4
 Curve No. 360402
 Effective August 1991
 Supersedes

3500 RPM
 SINGLE STAGE PERFORMANCE

MODEL 4ACH

STAGES REQUIRED



Pump hydraulic performance is based on handling cold clear, fresh nonaerated water, free of foreign materials.

Customer: _____
 Item No.: _____
 Capacity: _____ TDH _____ Bowl HP _____ Bowl Efficiency _____

IMPELLER DATA

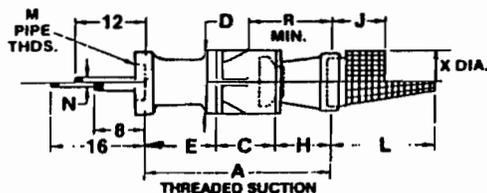
IMPELLER NO. 404-3-3002 . TYPE CLOSED . DIAMETER: A 2.875 ", 73.0 mm,
 B 2.435 ", 61.9 mm, C _____ ", _____ mm,
 EFFECTIVE EYE AREA 1.937 sq. inches, 1250 sq. mm. NUMBER OF VANES 7 .
 THRUST CONSTANT K 0.9 lbs./ft. 13.14 N/m of head. WEIGHT .50 lbs., 0.227 Kg.
 WR² * _____ lbs./ft²., * _____ Kg/m².
 EYE FLUID VELOCITY CK 0.179 ft./sec./GPM, 0.852 m/sec./LPS.
 PERIPHERAL VELOCITY 15.72 ft./sec./inch, .189 m/sec./mm of impeller dia. Ns 847

BOWL DATA

BOWL NO. 404-3-2001 CONNECTION TYPE THREADED. NOMINAL DIAMETER (E) 3.62", 91.95 mm.
 MINIMUM DIAMETER (E) 3.62 ", 91.95 mm.
 COLUMN PIPE SIZE 2½ ", 63.5 mm, STANDARD, 2½ ", 63.5 mm, MAXIMUM
 SUCTION PIPE SIZE 2½ ", 63.5 mm, STANDARD, 2½ ", 63.5 mm, MAXIMUM.
 PUMP SHAFT DIAMETER .62 ", 15.88 mm, STANDARD .62 ", 15.88 mm MAXIMUM.
 LATERAL 0.312", 7.938 mm, STANDARD, 0.312 ", 7.938 mm MAXIMUM.
 SHAFT BEARING CLEARANCE .010 ", .254 mm. IMPELLER SKIRT CLEARANCE .15 ", .381 mm.
 MAXIMUM NUMBER OF STAGES 40 (std. construction).
 MAXIMUM HEAD 960 ft., 292.6 m (std. construction). MAXIMUM SPHERE SIZE .28 ", 7.1 mm.
 PROJECTIONS ABOVE COLUMN PIPE BUTT: **TUBE** 8", 203.3mm; **SHAFT** 16", 406.4 mm. FOR ENCLOSED
 LINESHAFT. 12", 304.8mm. FOR OPEN LINESHAFT.

WEIGHT: SINGLE STAGE 35 lbs., 15.88 Kgs. ADDITIONAL STAGE 7 lbs., 3.18 Kgs.

* REFER TO FACTOR



WATER LUBE ONLY

STANDARD DIMENSIONS

	A	B	C	D	E	F	G	H	J	K	L	M	N	P	R	T	W	X	Y
IN.	9¼	—	3 ¹⁹ / ₃₂	3 ⁵ / ₈	2 ⁷ / ₈	—	—	4 ¹ / ₁₆	6	—	9 ³ / ₄	2 ¹ / ₂	5 ⁵ / ₈	—	6 ¹¹ / ₁₆	—	—	6	—
MM.	235.0	—	91.2	92.0	73.2	—	—	103.1	152.4	—	247.7	63.5	15.8	—	170.0	—	—	152.4	—