



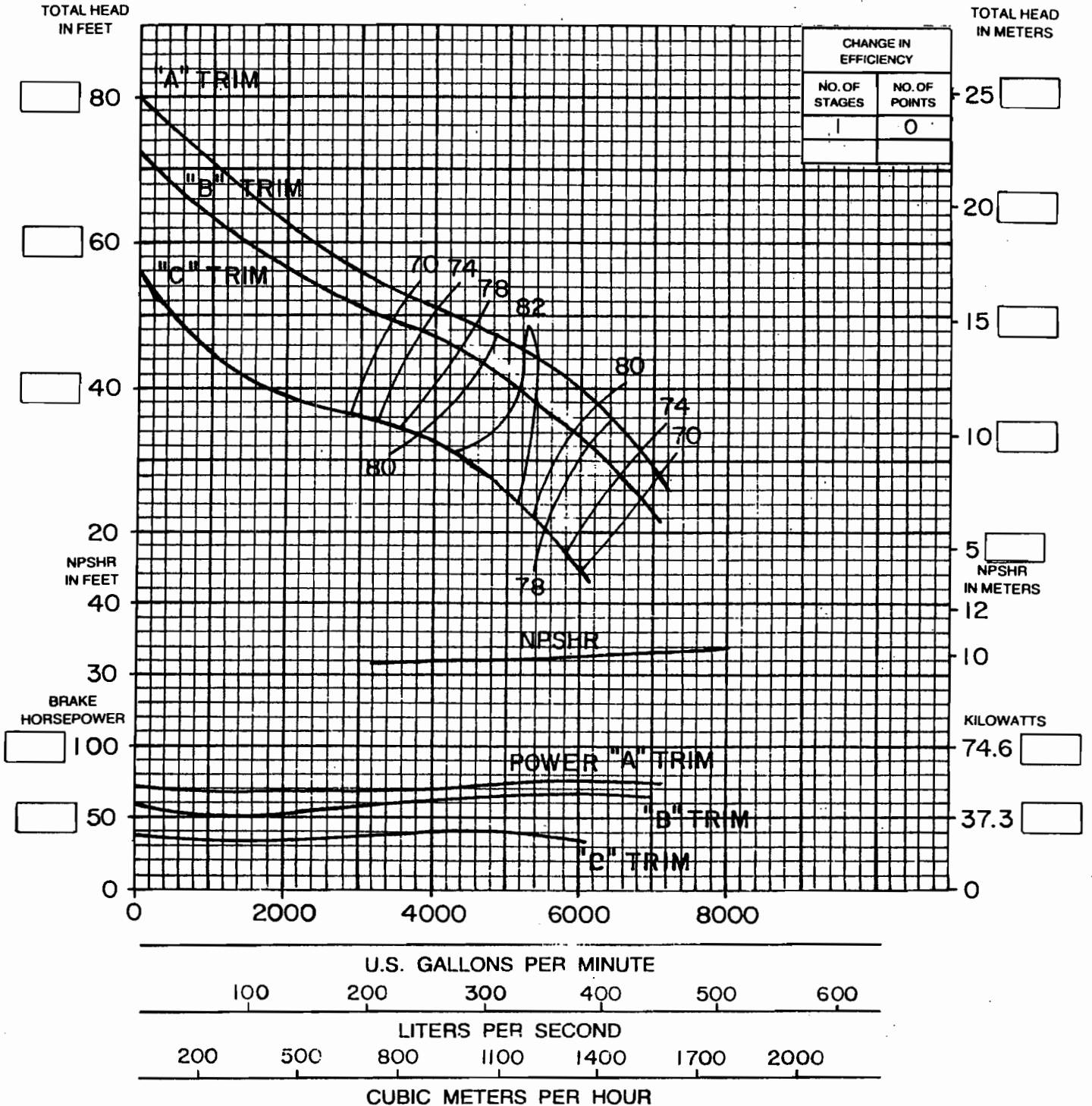
870 RPM
SINGLE STAGE PERFORMANCE

MODEL 24BCM

STANDARD CONSTRUCTION

See reverse side for detailed information.

☐ 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

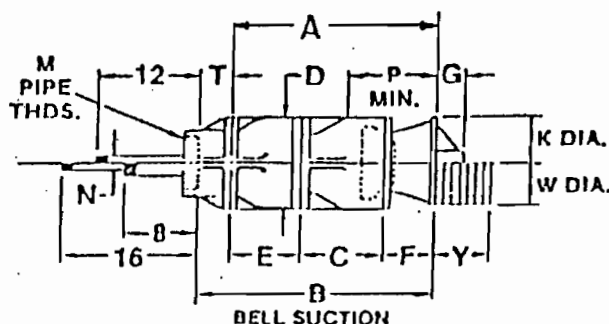
IMPELLER NO. 424-3-3002 TYPE ENCLOSED DIAMETER: A 18.88 ", 479.6 mm,
 B 17.50 ", 444.5 mm, C 16.00 ", 406.4 mm,
 EFFECTIVE EYE AREA 125.04 sq. inches, 80670.8 sq. mm. NUMBER OF VANES 6 .
 THRUST CONSTANT K 54.25 lbs. / ft. 792.05 N / m of head. WEIGHT 108 lbs., 48.99 Kg.
 WR² * lbs. / ft²., * Kg / m².
 EYE FLUID VELOCITY CK .307 ft. / sec. / GPM, .094 m / sec. / LPS.
 PERIPHERAL VELOCITY 3.80 ft. / sec. / inch, 1.15 m / sec. / mm of impeller dia. Ns 2160

BOWL DATA

BOWL NO. 424-3-2000. CONNECTION TYPE BOLTED . NOMINAL DIAMETER (E) 21.75 ", 552.5 mm.
 MINIMUM DIAMETER (E) 21.75 ", 552.5 mm.
 COLUMN PIPE SIZE 16 ", 406.4 mm, STANDARD, * ", * mm, MAXIMUM
 SUCTION PIPE SIZE N/A ", N/A mm, STANDARD, N/A ", N/A mm, MAXIMUM.
 PUMP SHAFT DIAMETER 2.19 ", 55.63 mm, STANDARD 2.44 ", 62.0 mm MAXIMUM.
 LATERAL 1.03 ", 26.2 mm, STANDARD, * ", * mm MAXIMUM.
 SHAFT BEARING CLEARANCE .010 ", .254 mm. IMPELLER SKIRT CLEARANCE .015 ", .381 mm.
 MAXIMUM NUMBER OF STAGES 10 (std. construction).
 MAXIMUM HEAD 460 ft., 140.2 m (std. construction). MAXIMUM SPHERE SIZE 2.75 ", 69.85 mm.
 PROJECTIONS ABOVE COLUMN PIPE BUTT: **TUBE** 8",203.2 mm; **SHAFT** 16",406.4 mm. FOR ENCLOSED
 LINESHAFT. 12",304.8 mm. FOR OPEN LINESHAFT.

*** REFER TO FACTORY.**

WEIGHT: SINGLE STAGE 999 lbs., 453.14 Kgs. ADDITIONAL STAGE 500 lbs., 226.8 Kgs.



STANDARD DIMENSIONS

	A	B	C	D	E	F	G	H	J	K	L	M	N	P	R	T	W	X	Y
	53 ¹ / ₄	53 ⁵ / ₁₆	23 ³ / ₄	21 ³ / ₄	19	11	7 ⁷ / ₈	N/A	N/A	24	N/A	16	23 ³ / ₁₆	15 ³ / ₈	N/A	1 ¹ / ₁₆	25 ¹ / ₄	N/A	12
MM	1352.6	1354.1	599.6	552.5	482.6	279.4	22.2	—	—	609.6	—	406.4	55.6	390.7	—	1.6	641.4	—	304.8