



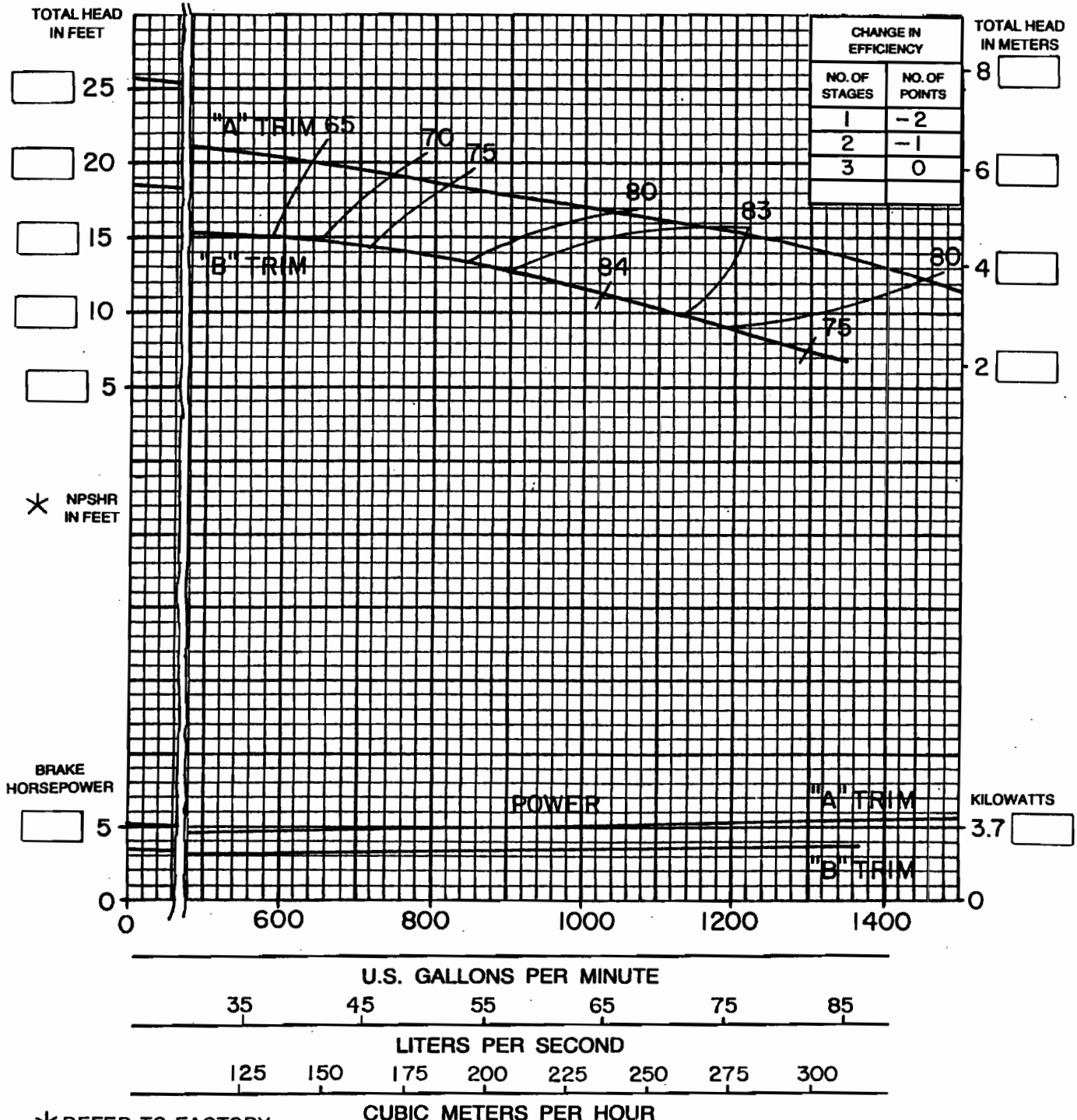
**870 RPM
SINGLE STAGE PERFORMANCE**

MODEL 14BCH

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 _____

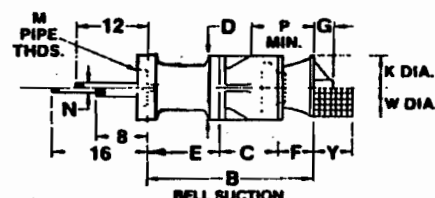
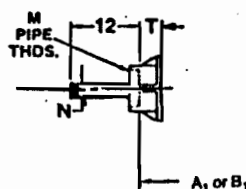
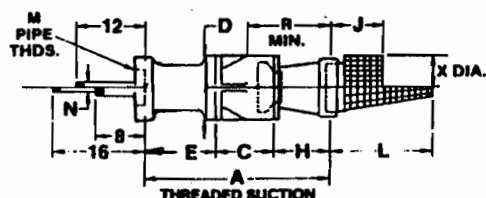
IMPELLER DATA

IMPELLER NO. 414-3-3022 . TYPE ENCLOSED . DIAMETER: A 10.88 ", 276.2 mm,
 B 9.88 ", 250.8 mm, C ", mm,
 EFFECTIVE EYE AREA 44.04 sq. inches, 28416 sq. mm. NUMBER OF VANES 6 .
 THRUST CONSTANT K 19.15 lbs. / ft. 279.6 N / m of head. WEIGHT 17.67 lbs., 7.99 Kg.
 WR^2 1.33 lbs. / ft²., 6.49 Kg / m².
 EYE FLUID VELOCITY CK .007 ft. / sec. / GPM, .035 m / sec. / LPS.
 PERIPHERAL VELOCITY 3.80 ft. / sec. / inch, 1.15 m / sec. / mm of impeller dia. Ns 2697.3

BOWL DATA

BOWL NO. 414-3-2001 . CONNECTION TYPE BOLTED . NOMINAL DIAMETER (E) 13.38 ", 339.7 mm.
 MINIMUM DIAMETER (E) 13.38 ", 339.7 mm.
 COLUMN PIPE SIZE 10 ", 254.0 mm, STANDARD, 12 ", 304.8 mm, MAXIMUM
 SUCTION PIPE SIZE 10 ", 254.0 mm, STANDARD, 12 ", 304.8 mm, MAXIMUM.
 PUMP SHAFT DIAMETER 1.94 ", 49.4 mm, STANDARD 2.19 ", 55.6 mm MAXIMUM.
 LATERAL .75 ", 19.1 mm, STANDARD, .88 ", 22.2 mm MAXIMUM.
 SHAFT BEARING CLEARANCE .010 ", .254 mm. IMPELLER SKIRT CLEARANCE .015 ", .381 mm.
 MAXIMUM NUMBER OF STAGES 10 (std. construction).
 MAXIMUM HEAD 636 ft., 193.9 m (std. construction). MAXIMUM SPHERE SIZE 1.50 ", 38.1 mm.
 PROJECTIONS ABOVE COLUMN PIPE BUTT: **TUBE** 8", 203.2mm; **SHAFT** 16", 406.4mm. FOR ENCLOSED
 LINESHAFT. 12", 304.8mm. FOR OPEN LINESHAFT.

WEIGHT: SINGLE STAGE 430 lbs., 195.0 Kgs. ADDITIONAL STAGE 125 lbs., 56.7 Kgs.



STANDARD DIMENSIONS

	A	A ₁	B	B ₁	C	D	E	F	G	H	J	K	L	M	N	P	R	T	W	X	Y
IN.	34 ¹ / ₄	26 ⁷ / ₈	31 ³ / ₈	24	12 ³ / ₈	13 ³ / ₈	11 ³ / ₈	7 ⁵ / ₈	4 ³ / ₄	10 ¹ / ₂	16	14 ¹ / ₈	31 ³ / ₈	12	15 ¹⁵ / ₁₆	32	36	4	14 ³ / ₈	18	10
MM.	870.0	682.6	796.2	609.6	314.3	339.7	288.9	196.7	120.7	266.7	406.4	358.8	796.9	304.8	49.2	812.8	914.4	101.6	365.1	457.2	254.0