



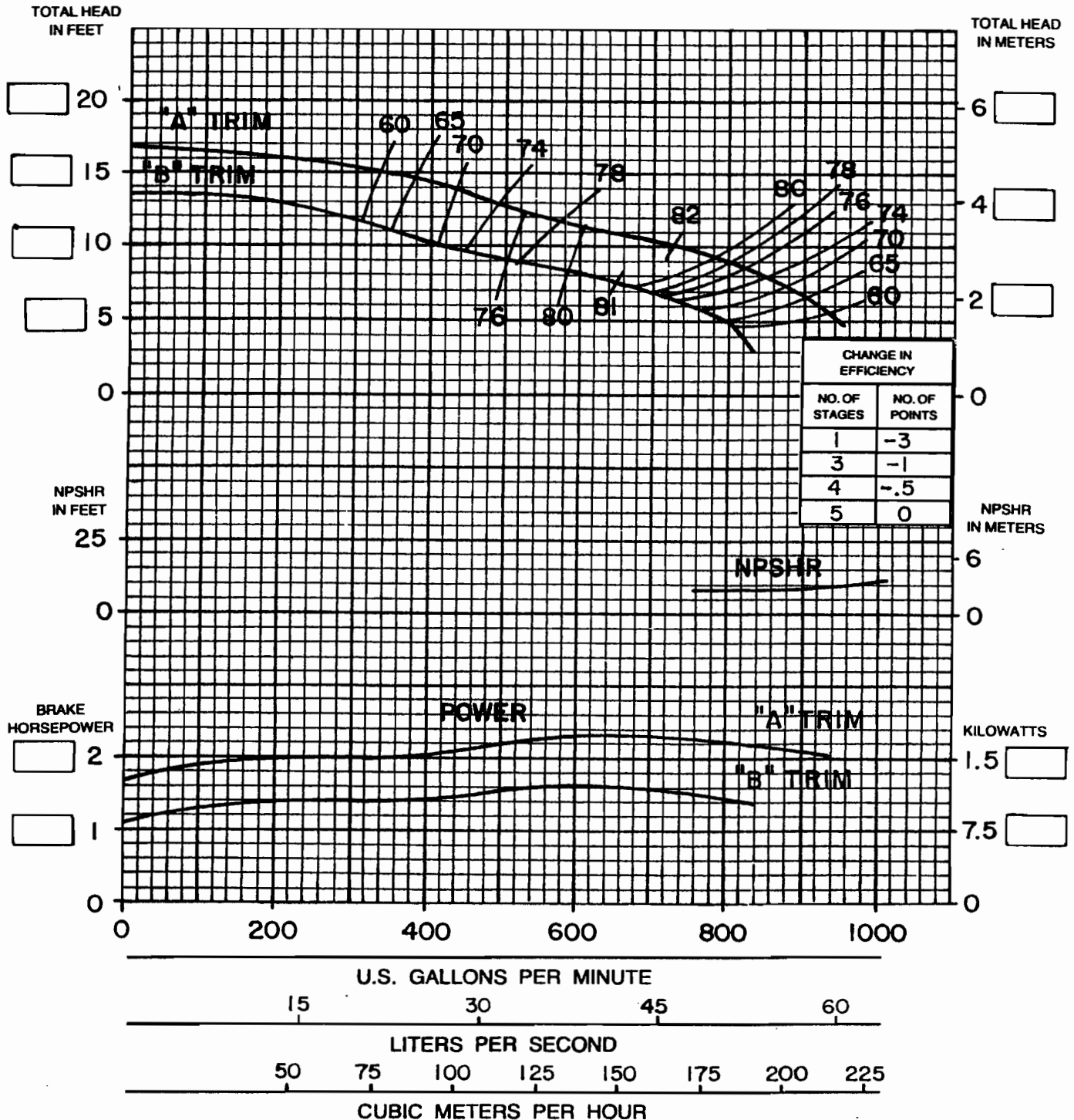
**870 RPM
SINGLE STAGE PERFORMANCE**

MODEL 12BCH

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.: _____

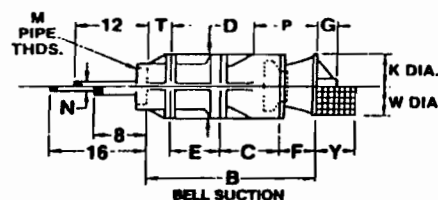
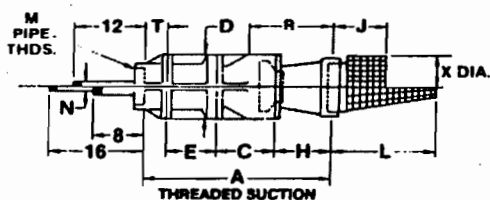
Capacity: _____ TDH _____ Bowl HP _____ Bowl Efficiency _____

IMPELLER DATA

IMPELLER NO. 412-3-3002 . TYPE ENCLOSED . DIAMETER: A 9.15 ", 232.4 mm,
 B 8.43 ", 214.1 mm, C _____ ", _____ mm,
 EFFECTIVE EYE AREA 27.70 sq. inches, 17872 sq. mm. NUMBER OF VANES 8 .
 THRUST CONSTANT K 15.7 lbs. / ft. 229.2 N / m of head. WEIGHT 16.7 lbs., 7.57 Kg.
 WR² 1.50 lbs. / ft²., 7.32 Kg / m².
 EYE FLUID VELOCITY CK .012 ft. / sec. / GPM, .058 m / sec. / LPS.
 PERIPHERAL VELOCITY 3.80 ft. / sec. / inch, 1.15 m / sec. / mm of impeller dia. Ns 3088

BOWL DATA

BOWL NO. 412-3-2002 . CONNECTION TYPE BOLTED . NOMINAL DIAMETER (E) 11.75 ", 298.5 mm.
 MINIMUM DIAMETER (E) 11.75 ", 298.5 mm.
 COLUMN PIPE SIZE 8 ", 203.2 mm, STANDARD, 10 ", 254.0 mm, MAXIMUM
 SUCTION PIPE SIZE 8 ", 203.2 mm, STANDARD, 10 ", 254.0 mm, MAXIMUM.
 PUMP SHAFT DIAMETER 1.69 ", 42.86 mm, STANDARD 1.94 ", 49.2 mm MAXIMUM.
 LATERAL .88 ", 22.2 mm, STANDARD, _____ ", _____ mm MAXIMUM.
 SHAFT BEARING CLEARANCE .010 ", .254 mm. IMPELLER SKIRT CLEARANCE .015 ", .381 mm.
 MAXIMUM NUMBER OF STAGES 20 (std. construction).
 MAXIMUM HEAD 965 ft., 294 m (std. construction). MAXIMUM SPHERE SIZE 1.09 ", 27.7 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.
 WEIGHT: SINGLE STAGE 310 lbs., 140.74 Kgs. ADDITIONAL STAGE 94 lbs., 42.67 Kgs.



STANDARD DIMENSIONS

	A	B	C	D	E	F	G	H	J	K	L	M	N	P	R	T	W	X	Y
	24 ⁵ / ₁₆	23 ⁵ / ₁₆	9 ³ / ₈	11 ³ / ₄	4 ³ / ₁₆	5 ³ / ₄	4 ¹ / ₂	6 ³ / ₄	11	11 ³ / ₄	31 ³ / ₈	10	1 ¹ / ₁₆	17 ⁵ / ₈	18 ⁵ / ₈	4	12 ¹ / ₄	12	8
MM.	617.5	592.1	238.1	298.5	109.5	146.0	114.3	171.5	279.4	289.5	796.9	254.0	42.9	447.7	473.1	101.6	311.2	304.8	203.2