



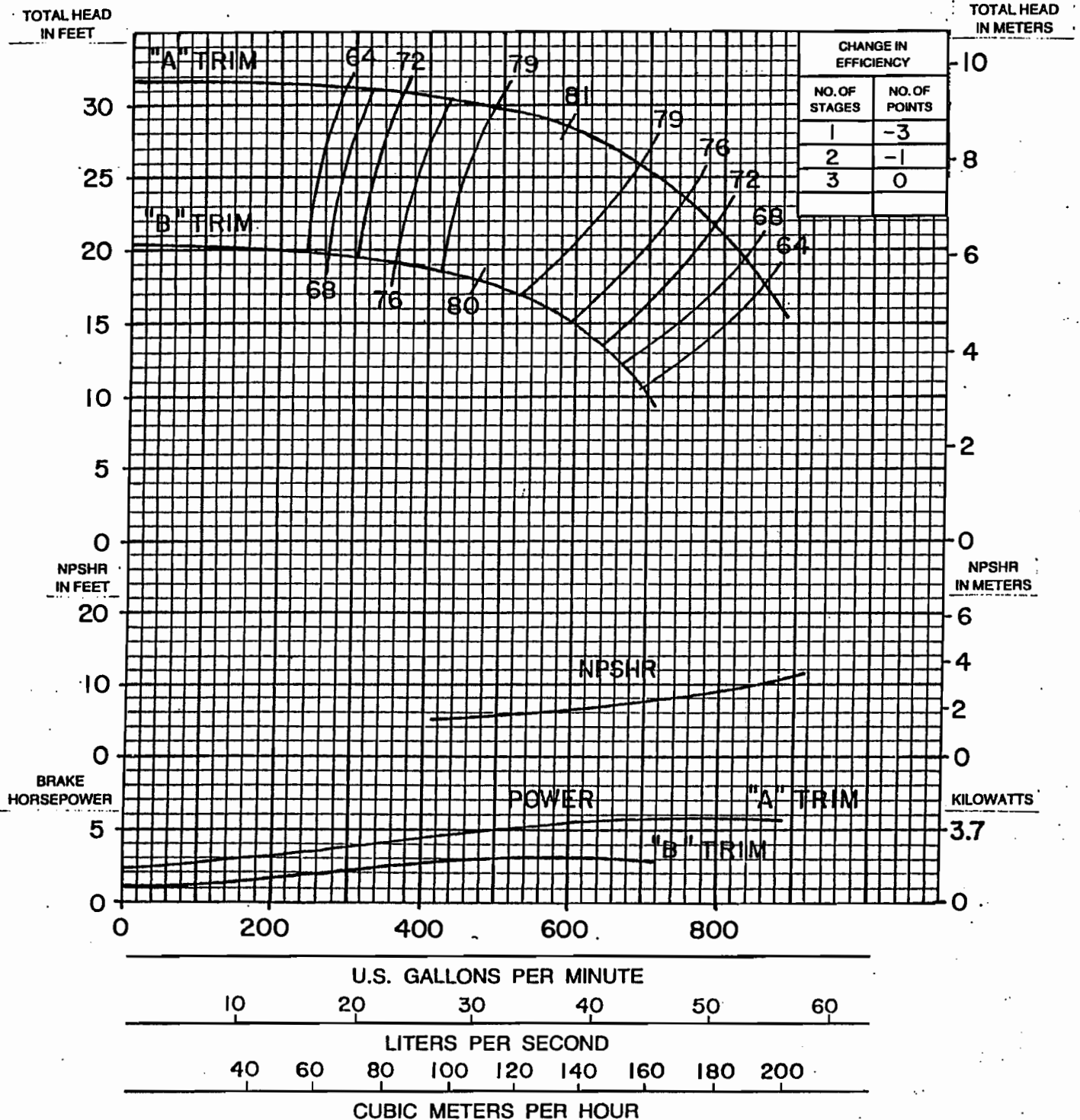
870 RPM
SINGLE STAGE PERFORMANCE

MODEL 12HCCM

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 _____

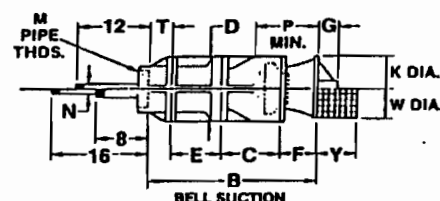
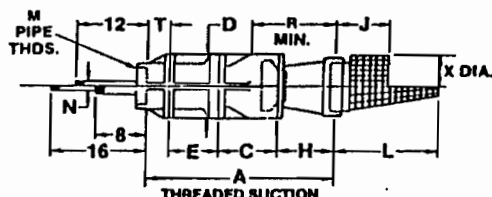
IMPELLER DATA

IMPELLER NO. 412-3-3003 . TYPE ENCLOSED . DIAMETER: A 9.125 ", 231.8 mm,
 B 8.00 ", 203.2 mm, C _____ ", _____ mm,
 EFFECTIVE EYE AREA 18.50 sq. inches, 11936 sq. mm. NUMBER OF VANES 8 .
 THRUST CONSTANT K 9.1 lbs. / ft. 132.8 N / m of head. WEIGHT 15.8 lbs., 7.17 Kg.
 WR^2 1.52 lbs. / ft²., 7.42 Kg / m².
 EYE FLUID VELOCITY CK .017 ft. / sec. / GPM, .084 m / sec. / LPS.
 PERIPHERAL VELOCITY 3.80 ft. / sec. / inch, 1.15 m / sec. / mm of impeller dia. Ns 980.8

BOWL DATA

BOWL NO. 412-3-2003 . 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 ", 42.8 mm, STANDARD _____ ", _____ mm MAXIMUM.
 LATERAL .75 ", 19.1 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 945 ft., 288 m (std. construction). MAXIMUM SPHERE SIZE .88 ", 22.2 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 322 lbs., 146.2 Kgs. ADDITIONAL STAGE 118 lbs., 53.5 Kgs.



STANDARD DIMENSIONS

	A	B	C	D	E	F	G	H	J	K	L	M	N	P	R	T	W	X	
IN.	24 ³ / ₄	23 ¹ / ₂	9 ⁵ / ₈	11 ³ / ₄	4 ³ / ₁₆	5 ³ / ₄	4 ¹ / ₂	7	11	11 ³ / ₄	23 ⁵ / ₈	8	11 ¹ / ₁₆	17 ⁵ / ₈	19	4	12 ¹ / ₄	12	8
MM.	628.6	596.9	244.5	298.4	106.4	146	114.3	177.8	279.5	298.5	600.1	203.2	42.9	447.7	482.6	101.6	311.15	304.8	203.2