



1760 RPM
SINGLE STAGE PERFORMANCE

MODEL 14BCM

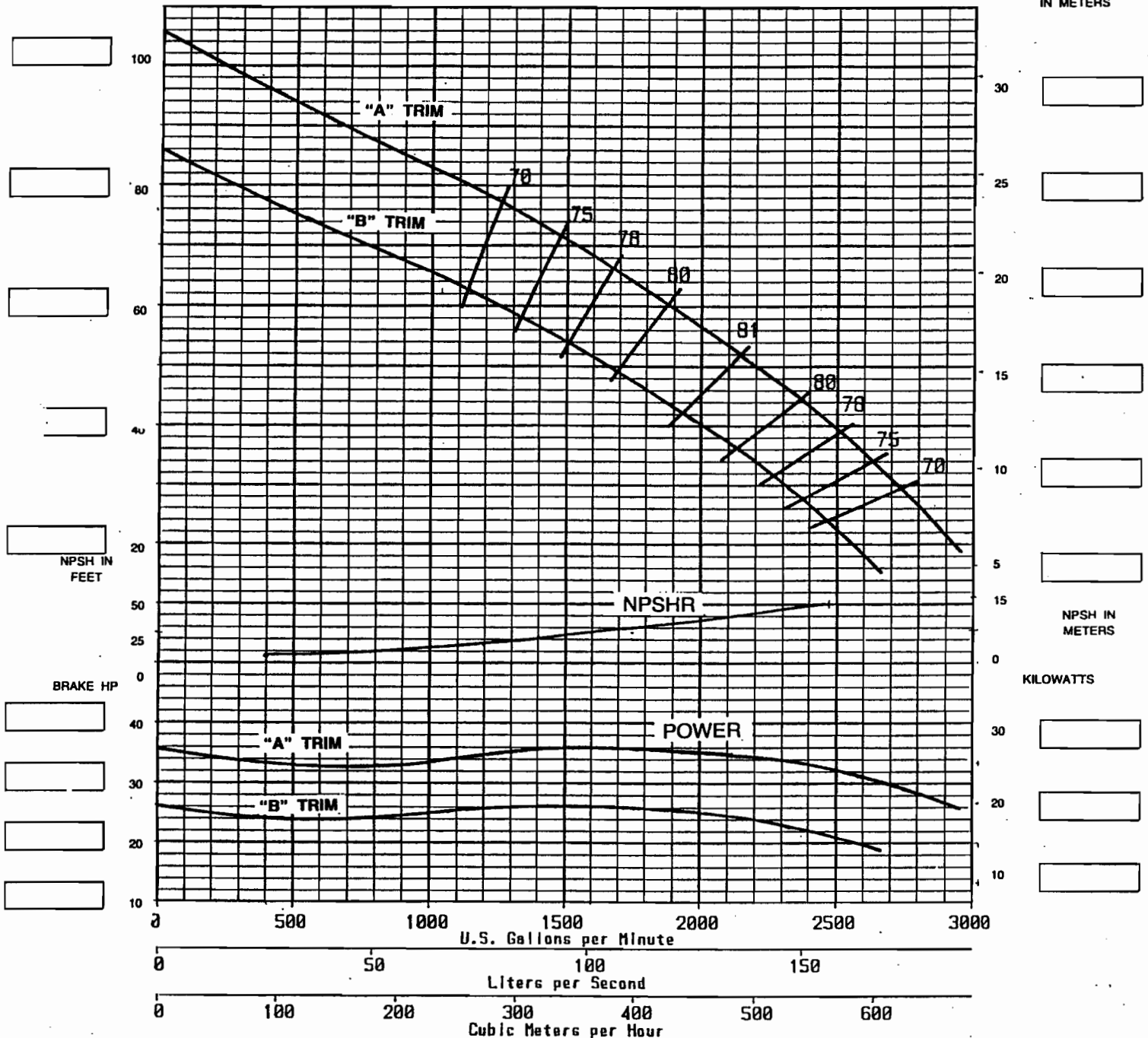
STANDARD CONSTRUCTION

See reverse side for detailed information.

☐ STAGES REQUIRED

TOTAL HEAD
IN FEET

TOTAL HEAD
IN METERS



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 _____

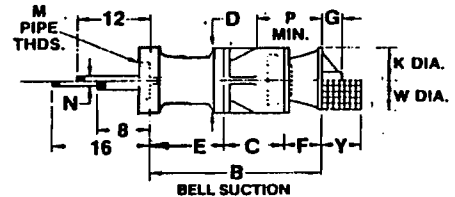
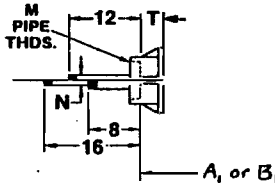
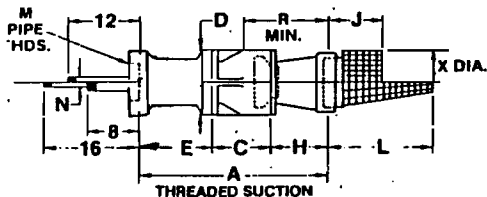
IMPELLER DATA

14 BCM
1760

IMPELLER NO. 414-3-3021 . TYPE Enclosed . DIAMETER: A 10⁷/₈ ", 276.2 mm,
B 9¹³/₁₆ ", 249.2 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 17.375 lbs., 7.88 Kg.
WR² 1.329 lbs. / ft²., 6.49 Kg / m².
EYE FLUID VELOCITY CK .007 ft. / sec. / GPM, .035 m / sec. / LPS.
PERIPHERAL VELOCITY 7.73 ft. / sec. / inch, .093 m / sec. / mm of impeller dia. Ns 4214

BOWL DATA

BOWL NO. 414-3-2001 . CONNECTION TYPE Bolted . NOMINAL DIAMETER (E) 13³/₈ ", 339.7 mm.
MINIMUM DIAMETER (E) 13³/₈ ", 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 1¹⁵/₁₆ ", 49.2 mm, STANDARD 2³/₁₆ ", 55.6 mm MAXIMUM.
LATERAL .75 ", 19.1 mm, STANDARD, .875 ", 22.2 mm MAXIMUM.
FT BEARING CLEARANCE .010 ", .254 mm. IMPELLER SKIRT CLEARANCE .015 ", .381 mm.
MAXIMUM NUMBER OF STAGES 6 (std. construction).
MAXIMUM HEAD 636 ft., 193.9 m (std. construction). MAXIMUM SPHERE SIZE 1³/₈ ", 34.9 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 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 ³ / ₈	31 ³ / ₈	24	12 ³ / ₈	13 ³ / ₈	11 ³ / ₈	7 ³ / ₈	4 ³ / ₈	10 ¹ / ₂	16	14 ¹ / ₈	31 ³ / ₈	12	1 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