

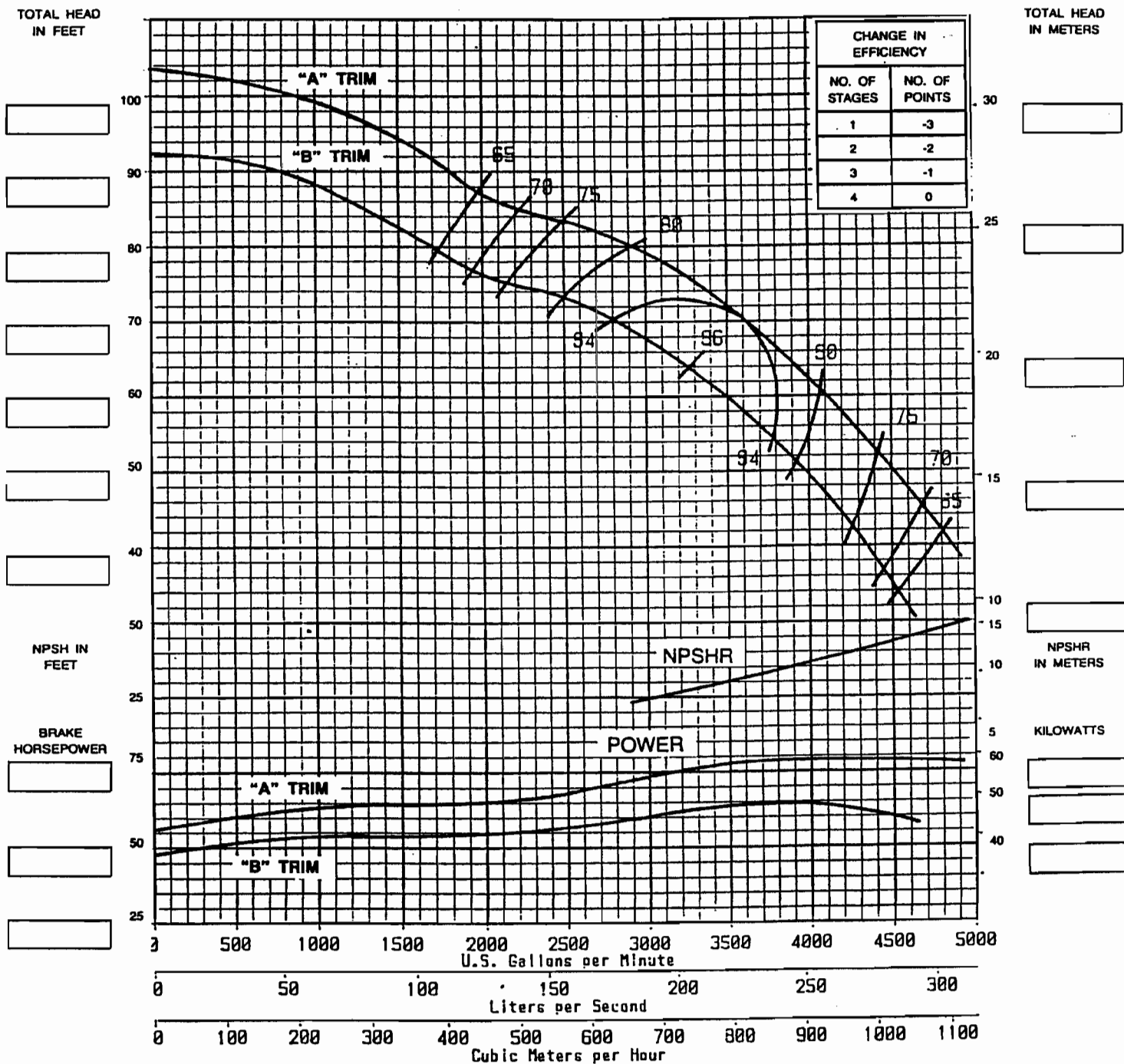


1770 RPM SINGLE STAGE PERFORMANCE

MODEL 14CCH 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 _____

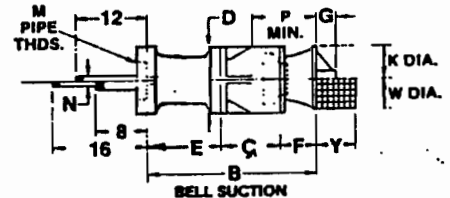
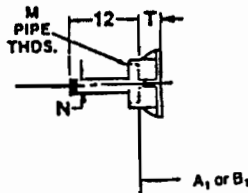
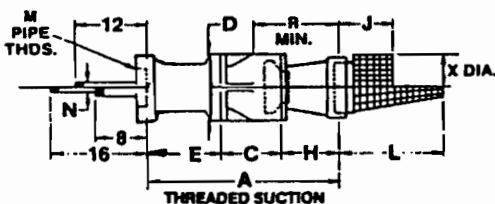
IMPELLER DATA

14 CCH
1770

IMPELLER NO. 414-3-3025 . TYPE Enclosed . DIAMETER: A 10 $\frac{7}{8}$ ", 276.2 mm,
3 9 $\frac{9}{16}$ ", 242.9 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 25.06 lbs., 11.4 Kg.
WR² 2.152 lbs. / ft²., 10.51 Kg / m².
EYE FLUID VELOCITY CK .007 ft. / sec. / GPM, .034 m / sec. / LPS.
PERIPHERAL VELOCITY 7.73 ft. / sec. / inch, .093 m / sec. / mm of impeller dia. Ns 4388

BOWL DATA

BOWL NO. 414-3-2002 . CONNECTION TYPE Bolted . NOMINAL DIAMETER (E) 14 $\frac{1}{4}$ ", 362.0 mm.
MINIMUM DIAMETER (E) 14 $\frac{1}{4}$ ", 362.0 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 $\frac{5}{16}$ ", 49.2 mm, STANDARD 2 $\frac{3}{16}$ ", 55.6 mm MAXIMUM.
LATERAL $\frac{3}{4}$ ", 14.3 mm, STANDARD, 1 $\frac{3}{8}$ ", 34.9 mm MAXIMUM.
SHAFT BEARING CLEARANCE .010 ", .254 mm. IMPELLER SKIRT CLEARANCE .015 ", .381 mm.
MAXIMUM NUMBER OF STAGES 4 (std. construction).
MAXIMUM HEAD 520 ft., 158.5 m (std. construction). MAXIMUM SPHERE SIZE 1 $\frac{1}{2}$ ", 38.1 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 460 lbs., 208.7 Kgs. ADDITIONAL STAGE 130 lbs., 59 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.	38 $\frac{1}{2}$	31 $\frac{1}{4}$	33.0	25 $\frac{3}{4}$	13 $\frac{3}{4}$	14 $\frac{1}{4}$	11 $\frac{1}{4}$	7 $\frac{1}{4}$	4 $\frac{1}{4}$	13 $\frac{3}{4}$	13	14 $\frac{1}{4}$	32 $\frac{1}{2}$	12	1 $\frac{11}{16}$	194	188	4	14 $\frac{3}{4}$	18	10
MM.	977.9	790.6	838.2	650.9	349.3	362.0	288.9	196.7	120.7	339.7	330.2	358.8	92.6	—	49.2	4927.6	4775.2	101.6	365.1	457.2	254.0