

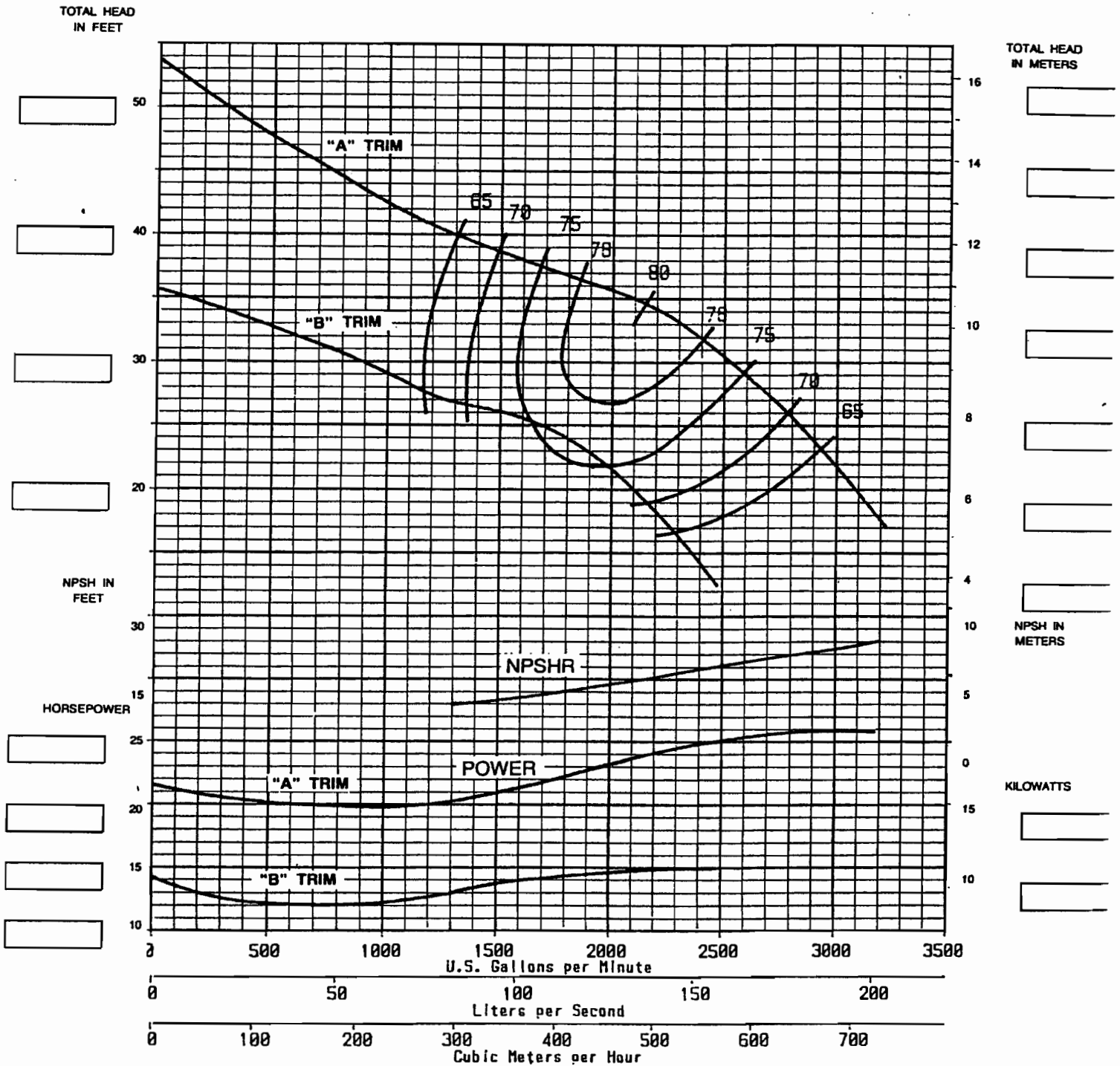


1180 RPM
SINGLE STAGE PERFORMANCE

MODEL 14CCH

☐ STAGES REQUIRED

STANDARD CONSTRUCTION



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 _____

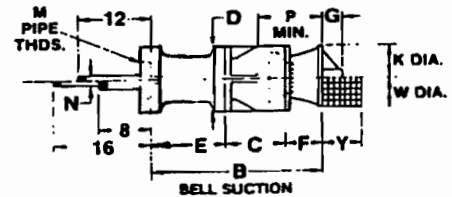
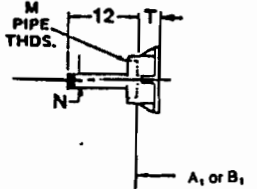
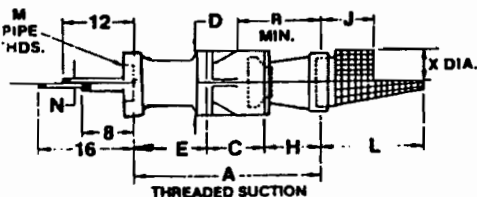
IMPELLER DATA

14 CCH
1180

IMPELLER NO. 414-3-3025 . TYPE Enclosed . DIAMETER: A 10 $\frac{7}{8}$ ", 276.2 mm,
B 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 5.07 ft. / sec. / inch, .061 m / sec. / mm of impeller dia. Ns 3825

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 $\frac{15}{16}$ ", 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.
T 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 $\frac{3}{4}$	7 $\frac{3}{4}$	4 $\frac{3}{4}$	13 $\frac{3}{4}$	13	14 $\frac{1}{4}$	32 $\frac{1}{2}$	12	1 $\frac{15}{16}$	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