



**1180 RPM
SINGLE STAGE PERFORMANCE**

MODEL 14BCH

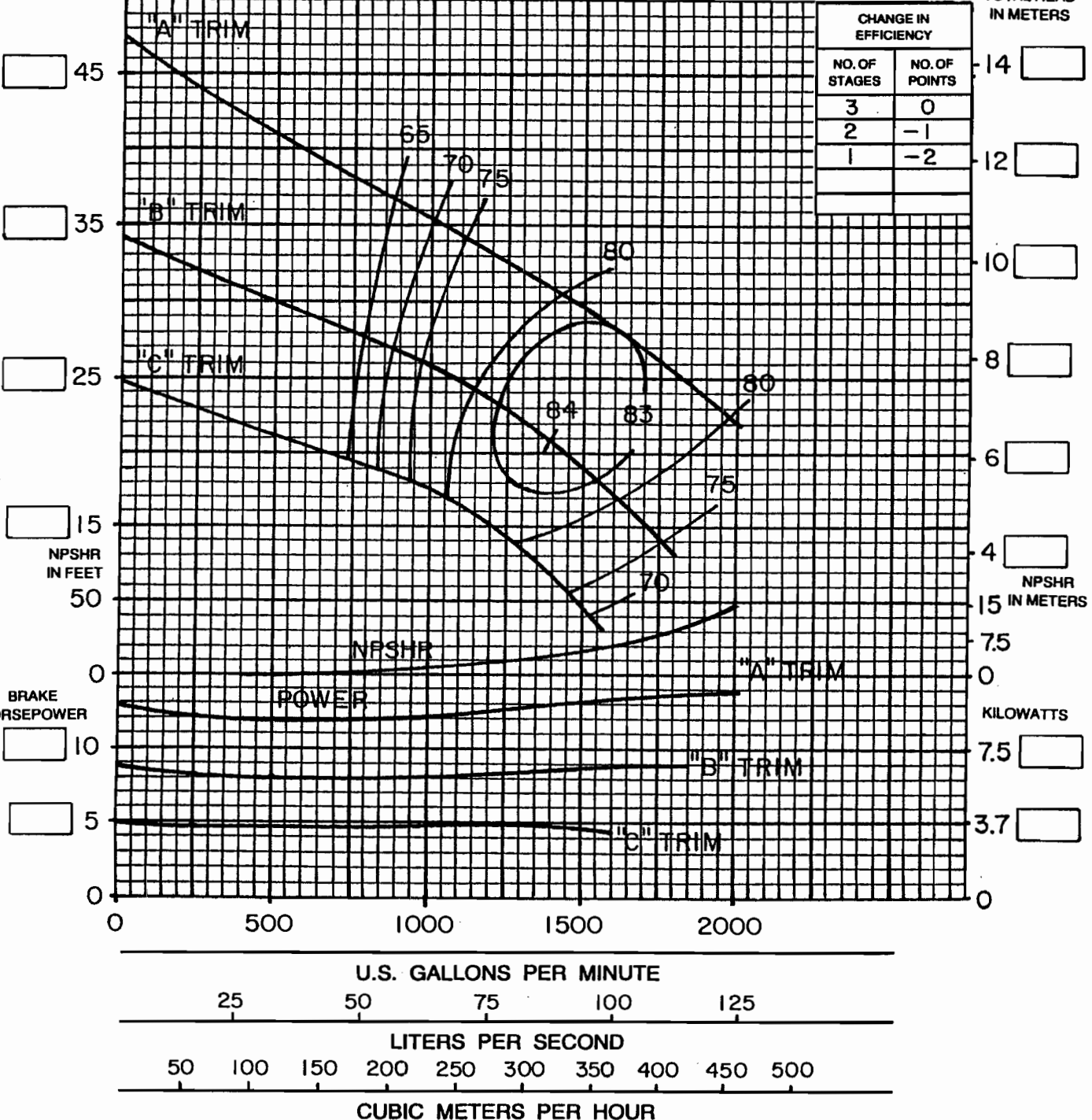
STANDARD CONSTRUCTION

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 _____

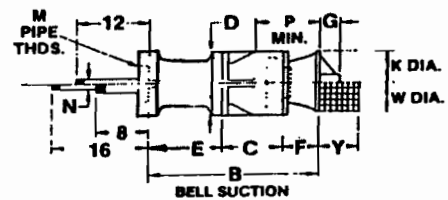
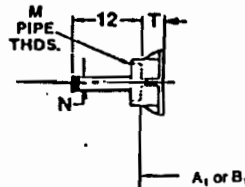
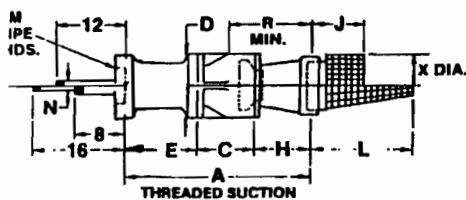
IMPELLER DATA

14 BCH
1180

IMPELLER NO. 414-3-3022 . TYPE Enclosed . DIAMETER: A 10 $\frac{7}{8}$ ", 276.2 mm,
B 9 $\frac{7}{8}$ ", 250.8 mm, C 8 $\frac{7}{8}$ ", 225.4 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 17.675 lbs., 7.99 Kg.
WR² 1.329 lbs. / ft²., 6.49 Kg / m².
EYE FLUID VELOCITY CK .007 ft. / sec. / GPM, .035 m / sec. / LPS.
PERIPHERAL VELOCITY 5.07 ft. / sec. / inch, .061 m / sec. / mm of impeller dia. Ns 3878

BOWL DATA

BOWL NO. 414-3-2001 . CONNECTION TYPE Bolted . NOMINAL DIAMETER (E) 13 $\frac{3}{8}$ ", 339.7 mm.
MINIMUM DIAMETER (E) 13 $\frac{3}{8}$ ", 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 1 $\frac{15}{16}$ ", 49.2 mm, STANDARD 2 $\frac{3}{16}$ ", 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 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 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 $\frac{1}{4}$	26 $\frac{1}{4}$	31 $\frac{1}{4}$	24	12 $\frac{1}{4}$	13 $\frac{1}{4}$	11 $\frac{1}{4}$	7 $\frac{1}{4}$	4 $\frac{1}{4}$	10 $\frac{1}{2}$	16	14 $\frac{1}{4}$	31 $\frac{1}{4}$	12	1 $\frac{15}{16}$	32	36	4	14 $\frac{1}{4}$	18	10
	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