



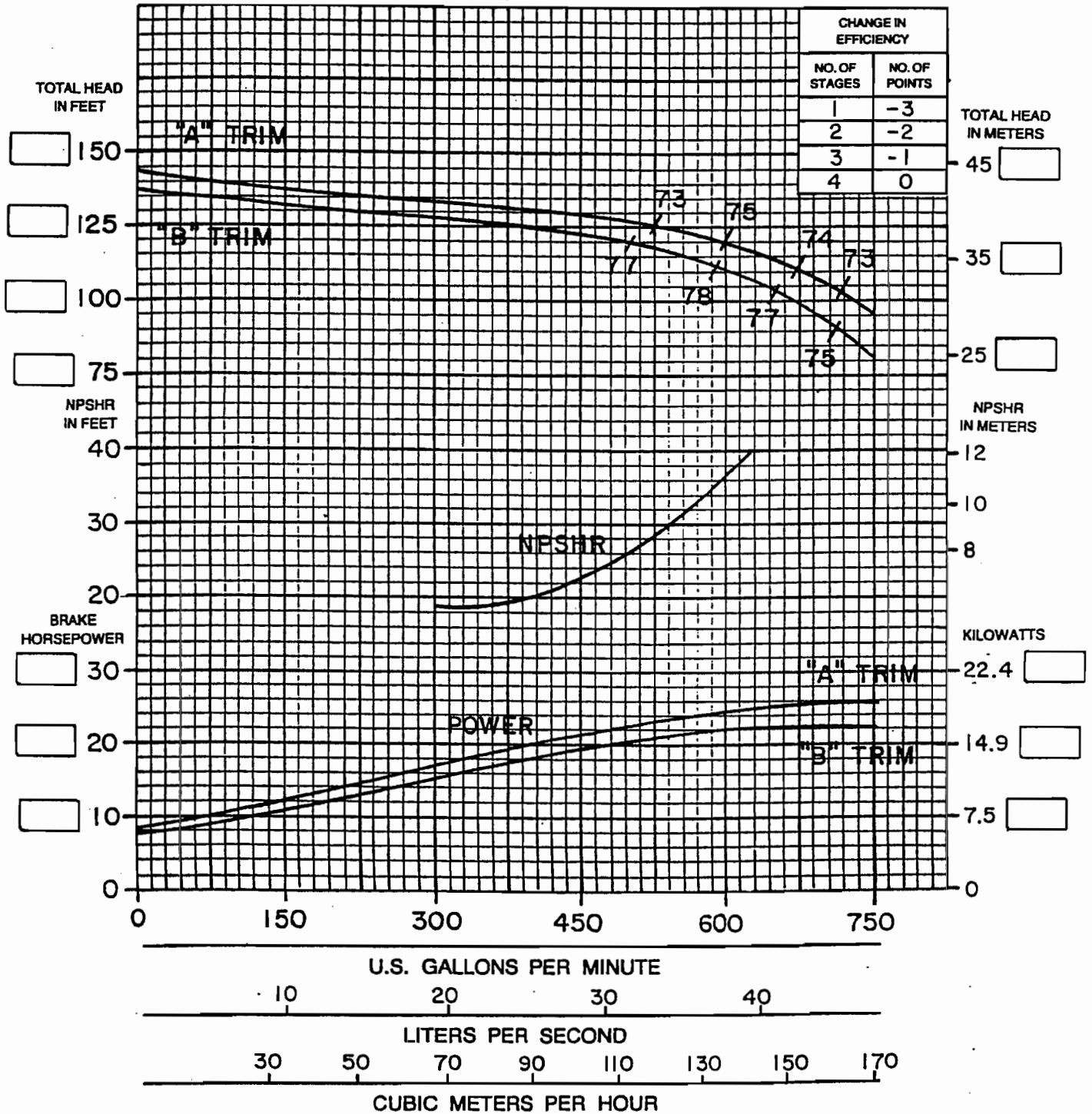
**3500 RPM
SINGLE STAGE PERFORMANCE**

MODEL 8ACH

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

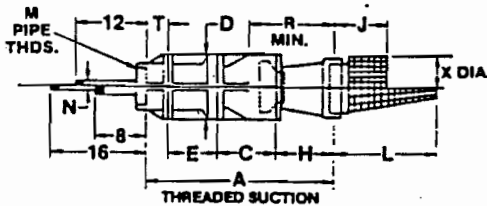
BACH
3500

IMPELLER NO. 408-3-3024 . TYPE ENCLOSED . DIAMETER: A 6.19 ", 157.2 mm,
B 5.88 ", 149.2 mm,
EFFECTIVE EYE AREA 8.41 sq. inches, 5425.8 sq. mm. NUMBER OF VANES 6 .
THRUST CONSTANT K 3.68 lbs. / ft. 5.0 N / m of head. WEIGHT 8 lbs., 3.6 Kg.
WR² .798 lbs. / ft²., 3.90 Kg / m².
EYE FLUID VELOCITY CK .038 ft. / sec. / GPM, .01 m / sec. / LPS.
PERIPHERAL VELOCITY 15.27 ft. / sec. / inch, 4.65 m / sec. / mm of impeller dia. Ns 952.6

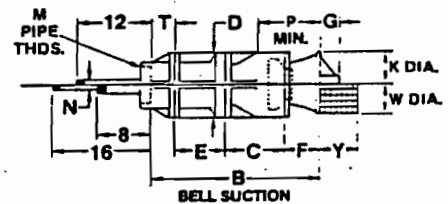
BOWL DATA

BOWL NO. 408-3-2022 . CONNECTION TYPE BOLTED . NOMINAL DIAMETER (E) 7.50 ", 190.5 mm.
MINIMUM DIAMETER (E) 7.50 ", 190.5 mm.
COLUMN PIPE SIZE 6 ", 150 mm, STANDARD, 6 ", 150 mm, MAXIMUM
SUCTION PIPE SIZE 6 ", 150 mm, STANDARD, 6 ", 150 mm, MAXIMUM.
PUMP SHAFT DIAMETER 1.19 ", 30.2 mm, STANDARD 1.44 ", 36.6 mm MAXIMUM.
LATERAL .375 ", 9.53 mm, STANDARD, .437 ", 11.1 mm MAXIMUM.
SHAFT BEARING CLEARANCE .010 ", .254 mm. IMPELLER SKIRT CLEARANCE .015 ", .381 mm.
MAXIMUM NUMBER OF STAGES 4 (std. construction).
MAXIMUM HEAD 525 ft., 160 m (std. construction). MAXIMUM SPHERE SIZE .31 ", 7.9 mm.
PROJECTIONS ABOVE COLUMN PIPE BUTT: **TUBE** 8",203.2 mm; **SHAFT** 16",406.4mm. FOR ENCLOSED
LINESHAFT. 12",304.8mm. FOR OPEN LINESHAFT.

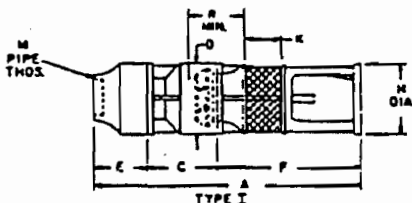
★ REFER TO FACTORY.



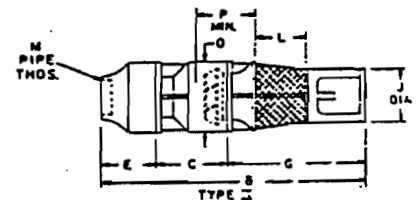
STANDARD DIMENSIONS



	A	B	C	D	E	F	G	H	J	K	L	M	N	P	R	T	W	X	Y
IN.	23 ¹ / ₄	20 ¹ / ₈	6	7 ¹ / ₂	8 ³ / ₄	3 ⁷ / ₈	3 ¹ / ₄	7 ¹ / ₂	9	7 ³ / ₄	16 ¹ / ₄	6	1 ³ / ₁₆	11 ⁵ / ₈	12 ³ / ₄	—	8 ¹ / ₄	10	5
MM.	590.6	511.1	152.4	190.5	222.3	98.6	82.6	190.5	228.6	196.9	412.8	152.4	30.2	295.2	323.9	—	209.6	254.0	127.0



STANDARD DIMENSIONS



	A	B	C	D	E	F	G	H	J	K	L	M	P	R
IN.	28 ¹ / ₂	25	6	7 ¹ / ₂	8 ¹ / ₂	14	10 ¹ / ₂	7 ⁹ / ₁₆	5 ³ / ₈	12	6 ¹ / ₄	6	11 ⁵ / ₈	12 ³ / ₄
MM.	723.9	635.0	152.4	190.5	215.9	355.6	266.7	192.0	136.6	304.8	158.8	152.4	295.2	323.9

WEIGHT: SINGLE STAGE 100 lbs., 45.4 Kgs. ADDITIONAL STAGE 35 lbs., 15.9 Kgs.