



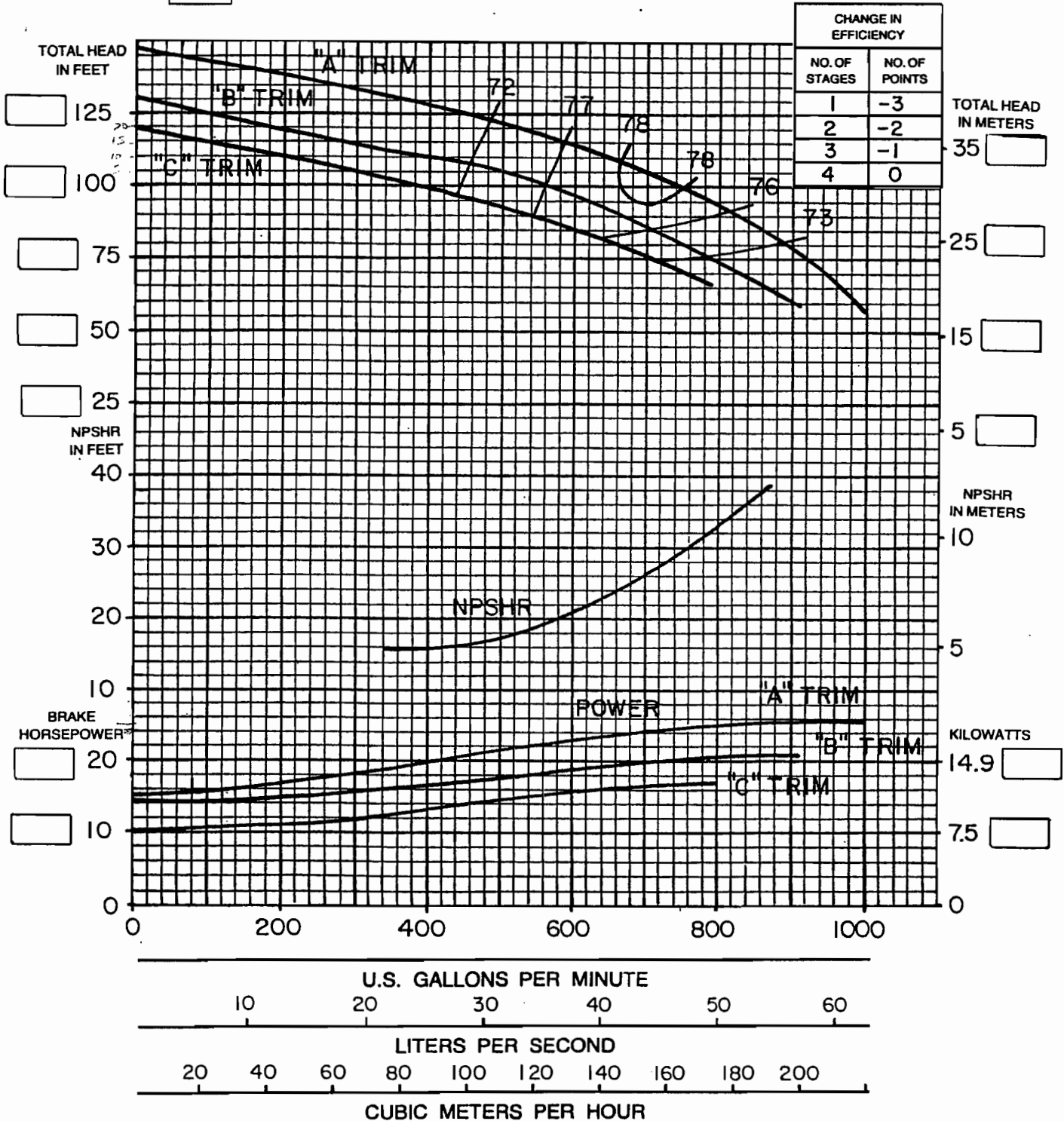
**3500 RPM
SINGLE STAGE PERFORMANCE**

MODEL 8BCH

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.

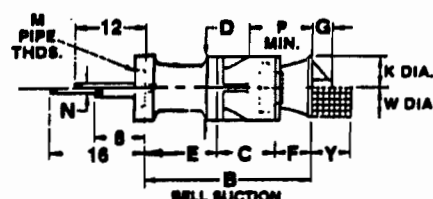
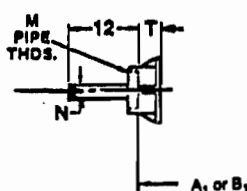
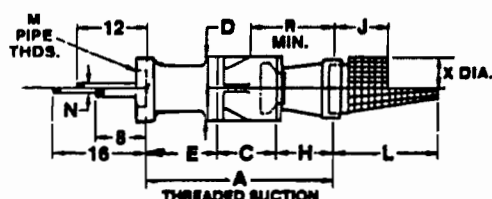
Customer: _____
Item No.: _____
Capacity: _____ TDH _____ Bowl HP _____ Bowl Efficiency _____

IMPELLER DATA

IMPELLER NO. 408-3-3030 . TYPE CLOSED . DIAMETER: A 6.19", 157.23 mm,
 B 5.95", 151.13 mm, C 5.72", 145.29 mm.
 EFFECTIVE EYE AREA 11.39 sq. inches, 7348.4 sq. mm. NUMBER OF VANES 6 .
 THRUST CONSTANT K 4.93 lbs. / ft. 6.7 N / m of head. WEIGHT 6 lbs., 2.72 Kg.
 WR² .665 lbs. / ft²., 3.25 Kg / m².
 EYE FLUID VELOCITY CK .028 ft. / sec. / GPM, .008 m / sec. / LPS.
 PERIPHERAL VELOCITY 15.27 ft. / sec. / inch, 4.65 m / sec. / mm of impeller dia. Ns 1278

BOWL DATA

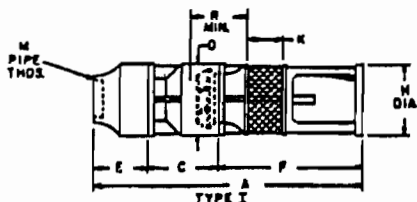
BOWL NO. 408-3-2020 CONNECTION TYPE FLANGED . NOMINAL DIAMETER (E) 7.50", 190.5 mm.
 MINIMUM DIAMETER (E) 7.50", 190.5 mm.
 COLUMN PIPE SIZE 6", 150 mm, STANDARD, 6", 150 mm, MAXIMUM
 SUCTION PIPE SIZE 6", 150 mm, STANDARD, 6", 150 mm, MAXIMUM.
 PUMP SHAFT DIAMETER 1.19", 30.2 mm, STANDARD 1.25", 31.8 mm MAXIMUM.
 LATERAL 0.313", 7.95 mm, STANDARD, * ", * mm MAXIMUM.
 SHAFT BEARING CLEARANCE .010", .254 mm. IMPELLER SKIRT CLEARANCE .015", .381 mm.
 MAXIMUM NUMBER OF STAGES 6 (std. construction).
 MAXIMUM HEAD 687 ft., 209.4 m (std. construction). MAXIMUM SPHERE SIZE .56", 14.2 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.



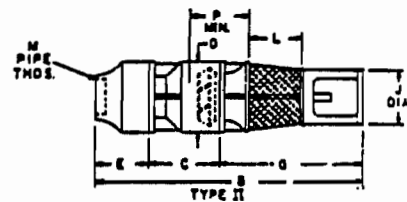
* REFER TO FACTORY.

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.	25	18	19 ⁷ / ₈	12 ⁷ / ₈	6	7 ¹ / ₂	10	3 ⁷ / ₈	3	9	8	7 ³ / ₄	16 ¹ / ₄	6	13 ¹ / ₁₆	5 ³ / ₈	11 ⁵ / ₈	3	8 ¹ / ₄	10	5
MM.	635.0	457.2	505.0	327.2	152.4	190.5	254.0	98.6	76.2	228.6	203.2	196.9	412.8	152.4	30.2	136.7	295.2	76.2	209.6	254.0	127.0



STANDARD DIMENSIONS



	A	B	C	D	E	F	G	H	J	K	L	M	P	R
IN.	25	19 ¹ / ₂	6	7 ⁷ / ₈	3	14	10 ¹ / ₂	7 ¹ / ₂	5 ³ / ₈	12	6 ¹ / ₄	6	2 ¹ / ₄	2 ³ / ₈
MM.	635.0	495.3	152.4	200.2	76.2	355.6	266.7	190.5	136.7	304.8	158.8	152.4	57.2	60.5

WEIGHT: SINGLE STAGE 130 lbs., 59.0 Kgs. ADDITIONAL STAGE 35 lbs., 15.9 Kgs.