

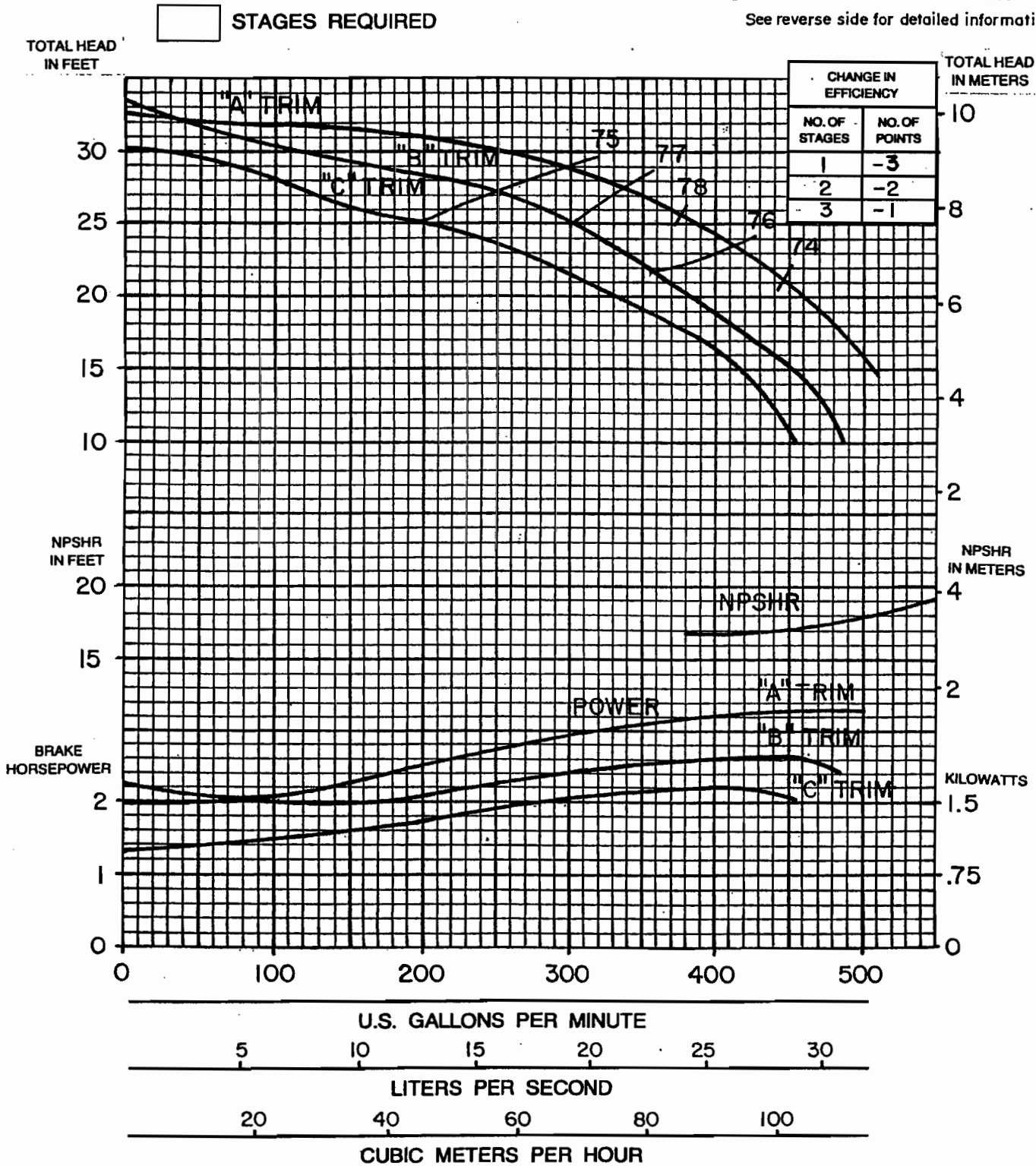


**1770 RPM
SINGLE STAGE PERFORMANCE**

MODEL 8BCH

STANDARD CONSTRUCTION

See reverse side for detailed information



Pump hydraulic performance is based on handling cold clear, fresh nonaerated water, free of foreign materials.

Customer: _____

Item No.: _____

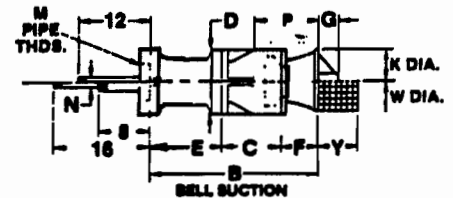
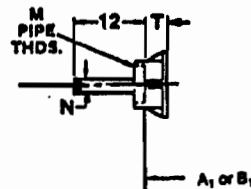
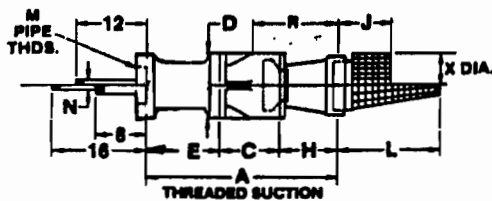
Capacity: _____ TDH _____ Bowl HP _____ Bowl Efficiency _____

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 sq. mm. NUMBER OF VANES 6 .
 THRUST CONSTANT K 4.93 lbs. / ft. 71.98 N / m of head. WEIGHT 6 lbs., 2.72 Kg.
 WR² .665 lbs. / ft²., 3.25 Kg / m².
 EYE FLUID VELOCITY CK 0.282 ft. / sec. / GPM, .135 m / sec. / LPS.
 PERIPHERAL VELOCITY 7.72 ft. / sec. / Inch, .093 m / sec. / mm of Impeller dia. Ns 1711

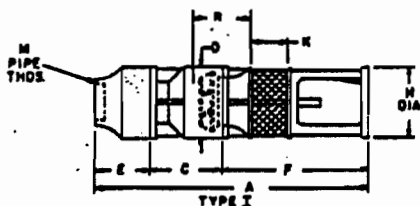
BOWL DATA

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 ", 152.4 mm, STANDARD, 6 ", 152.4 mm, MAXIMUM
 SUCTION PIPE SIZE 6 ", 152.4 mm, STANDARD, 6 ", 152.4 mm, MAXIMUM.
 PUMP SHAFT DIAMETER 1.19 ", 30.2 mm, STANDARD 1.19 ", 30.2 mm MAXIMUM.
 LATERAL 0.313 ", 7.95 mm, STANDARD, 0.313 ", 7.95 mm MAXIMUM.
 SHAFT BEARING CLEARANCE .010 ", .254 mm. IMPELLER SKIRT CLEARANCE .015 ", .381 mm.
 MAXIMUM NUMBER OF STAGES 20 (std. construction).
 MAXIMUM HEAD 516 ft., 209.4 m (std. construction). MAXIMUM SPHERE SIZE .56 ", 14.27 mm.
 PROJECTIONS ABOVE COLUMN PIPE BUTT: **TUBE** 8", 203.2 mm; **SHAFT** 16 ", 406.4 mm. FOR ENCLOSED
 LINESHAFT. 12 ", 304.8mm. FOR OPEN LINESHAFT.

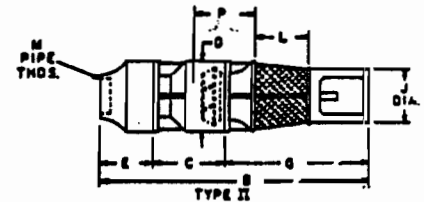


STANDARD DIMENSIONS

	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	504.9	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	
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	254.0	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.