



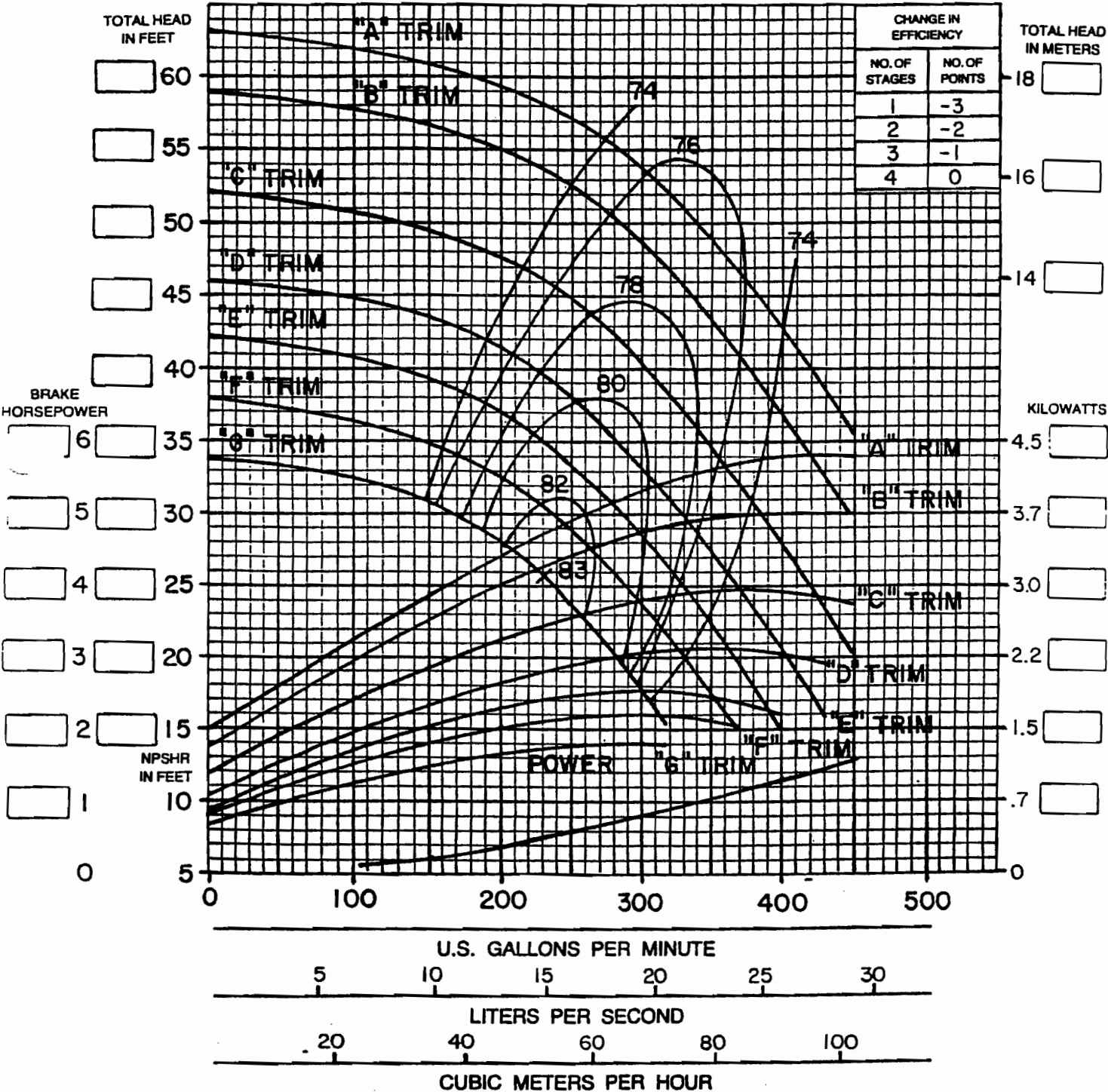
Section 5
Page 17.2
Curve No. 181002
Effective Oct., 1992
Supersedes June, 1992

1770 RPM
SINGLE STAGE PERFORMANCE

MODEL 10DCM
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.

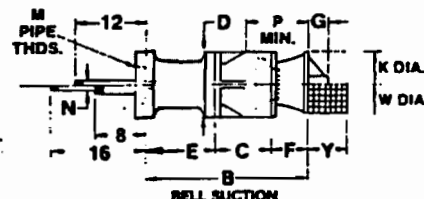
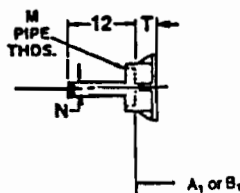
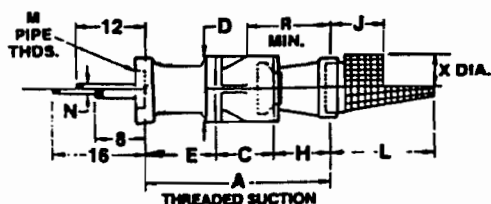
Customer: _____
Item No.: _____
Capacity: _____ TDH _____ Bowl HP _____ Bowl Efficiency _____

IMPELLER DATA

IMPELLER NO. 410-3-304 . TYPE ENCLOSED . DIAMETER: A 7.94 ", 201.7 mm,
B 7.62", 193.7 mm, C 7.31", 185.7 mm, D 7.00", 177.8 mm, E 6.69", 169.9 mm, F 6.38", 162.1 mm, G 6.06", 153.9 mm
EFFECTIVE EYE AREA 9.38 sq. inches, 6051.6 sq. mm. NUMBER OF VANES 6 .
THRUST CONSTANT K 4.06 lbs. / ft. 5.50 N / m of head. WEIGHT 9 lbs., 4.08 Kg.
WR² 1.53 lbs. / ft²., 7.48 Kg / m².
EYE FLUID VELOCITY CK .03 ft. / sec. / GPM, .01 m / sec. / LPS.
PERIPHERAL VELOCITY 7.72 ft. / sec. / inch, 2.35 m / sec. / mm of impeller dia. Ns 993.5

BOWL DATA

BOWL NO. 410-3-2022 . CONNECTION TYPE BOLTED . NOMINAL DIAMETER (E) 9.50 ", 241.3 mm.
MINIMUM DIAMETER (E) * ", * mm.
COLUMN PIPE SIZE 6 ", 150 mm, STANDARD, 8 ", 200 mm, MAXIMUM
SUCTION PIPE SIZE 6 ", 150 mm, STANDARD, * ", * mm, MAXIMUM.
PUMP SHAFT DIAMETER 1.44 ", 36.6 mm, STANDARD 1.69 ", 42.9 mm MAXIMUM.
LATERAL .33 ", 8.38 mm, STANDARD, * ", * mm MAXIMUM.
SHAFT BEARING CLEARANCE .010 ", .254 mm. IMPELLER SKIRT CLEARANCE .015 ", .381 mm.
MAXIMUM NUMBER OF STAGES 8 (std. construction).
MAXIMUM HEAD 522 ft., 159.1 m (std. construction). MAXIMUM SPHERE SIZE .50 ", 12.7 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.
WEIGHT: SINGLE STAGE 160 lbs., 72.6 Kgs. ADDITIONAL STAGE 60 lbs., 27.2 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	
IN.	19 ⁵ / ₈	16 ¹ / ₄	17 ¹ / ₂	14 ⁵ / ₁₆	5 ¹ / ₂	9 ¹ / ₂	7 ³ / ₈	4 ⁵ / ₈	4 ¹ / ₂	6 ³ / ₄	9	9 ⁵ / ₈	16 ¹ / ₄	6	17 ¹ / ₁₆	5 ³ / ₁₆	7 ⁹ / ₁₆	4	10 ¹ / ₈	10	6
MM.	498.4	412.4	444.5	363.5	139.7	241.3	187.5	117.5	114.3	171.5	228.6	244.5	412.8	152.4	36.6	131.8	192.0	101.6	257.1	254.0	152.4