



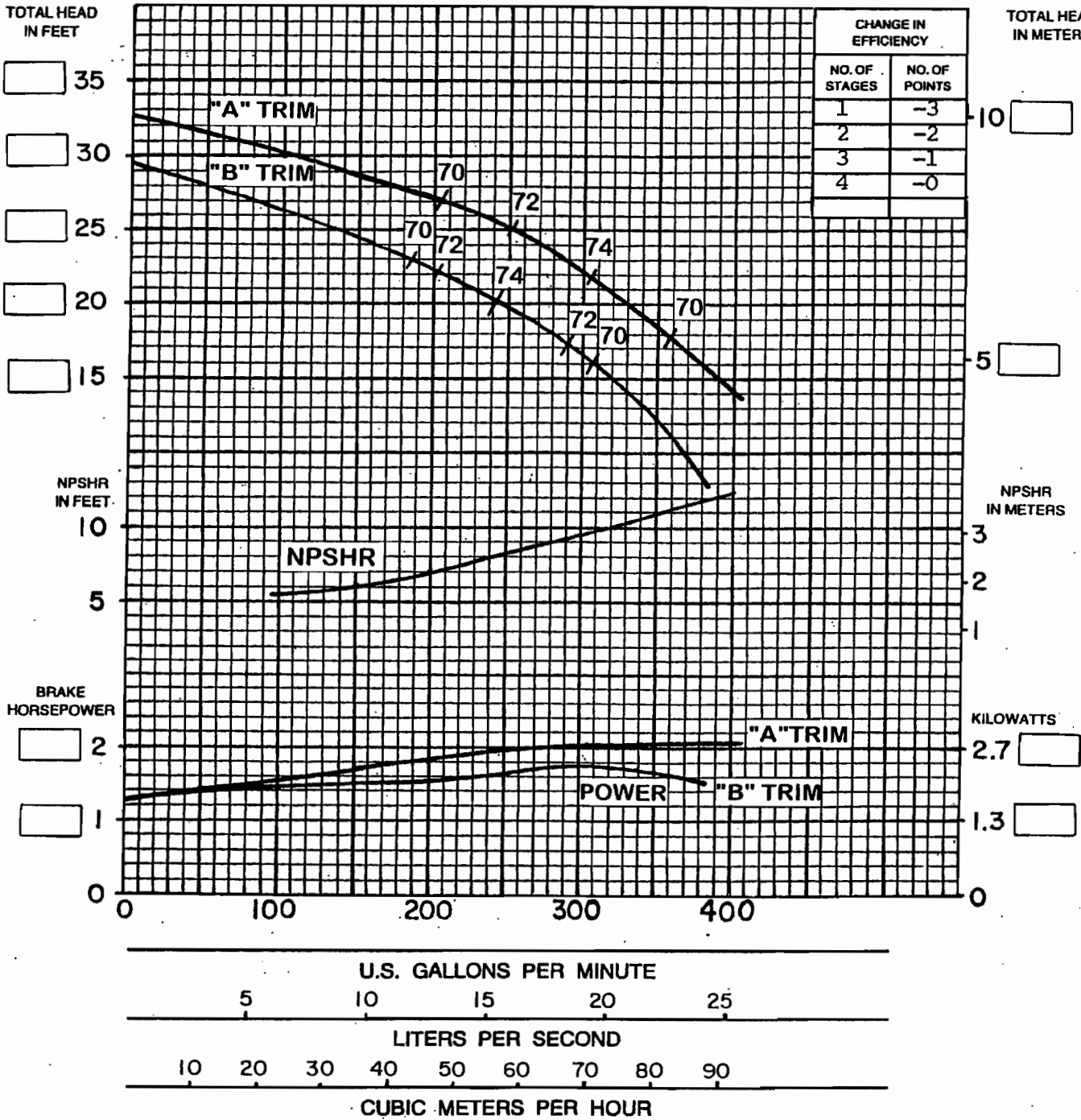
Section 5
Page 5.2
Curve No. 180810
Effective August 1991
Supersedes New

1770 RPM
SINGLE STAGE PERFORMANCE

MODEL 8BCAM
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 _____

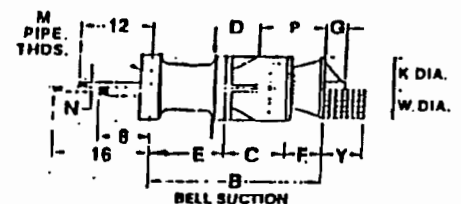
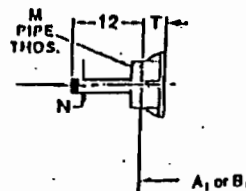
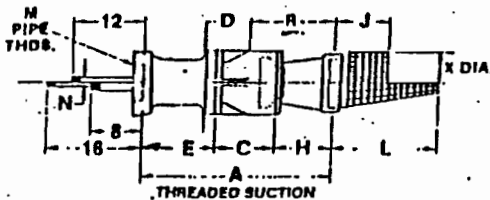
IMPELLER DATA

8 BCAM
1770

IMPELLER NO. 408-3-0033 TYPE Closed DIAMETER: A 5.950 ", 151.13 mm,
B 5.45 ", 143.51 mm
EFFECTIVE EYE AREA 11.79 sq. inches, 7606.4 sq. mm. NUMBER OF VANES 6
THRUST CONSTANT K 4.57 lbs. / ft. 66.72 N / m of head. WEIGHT 4.00 lbs., 1.81 Kg.
WR² 1.000 lbs. / ft², .0488 Kg / m².
EYE FLUID VELOCITY CK .33 ft. / sec. / GPM, .158 m / sec. / LPS.
PERIPHERAL VELOCITY 15.3 ft. / sec. / inch, .184 m / sec. / mm of impeller dia. Ns 3089.8

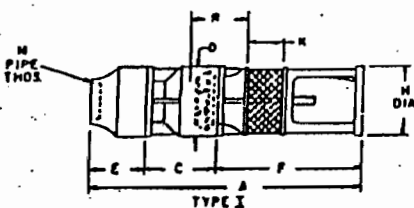
BOWL DATA

BOWL NO. 408-3-2020 CONNECTION TYPE Flanged NOMINAL DIAMETER (E) 7.5 ", 190.5 mm.
MINIMUM DIAMETER (E) 7.5 ", 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 1.188 ", 30.2 mm, STANDARD 1.25 ", 31.75 mm MAXIMUM.
LATERAL .469 ", 11.91 mm, STANDARD, ", mm MAXIMUM.
SHAFT BEARING CLEARANCE .010 ", .254 mm. IMPELLER SKIRT CLEARANCE .015 ", .381 mm.
MAXIMUM NUMBER OF STAGES 16 (std. construction).
MAXIMUM HEAD 687 ft., 209.4 m (std. construction). MAXIMUM SPHERE SIZE .562 ", 14.27 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.

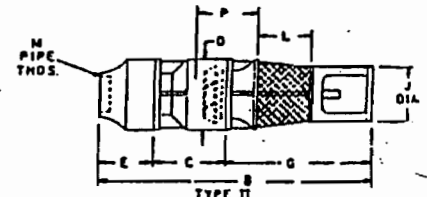


STANDARD DIMENSIONS

	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	19.88	12.88	6	7.5	10	3.88	3	9	8	7.75	16.25	6	1.688	5.38	11.59	3	8.25	10	5
MM.	635	457.2	487	315.6	152.4	190.5	254	98.55	76.2	220.5	203.2	196.9	412.8	152.4	302	131.1	294.4	76.2	209.6	254	127



STANDARD DIMENSIONS



	A	B	C	D	E	F	G	H	J	K	L	M	P	R
IN.	23	19.5	6.0	7.875	3	14	10.5	7.5	5.38	12.0	8.25	6	2.25	2.38
MM.	584.2	495.3	152.4	200	76.2	355.6	266.7	190.5	136.65	304.8	158.75	152.4	57.15	60.45