

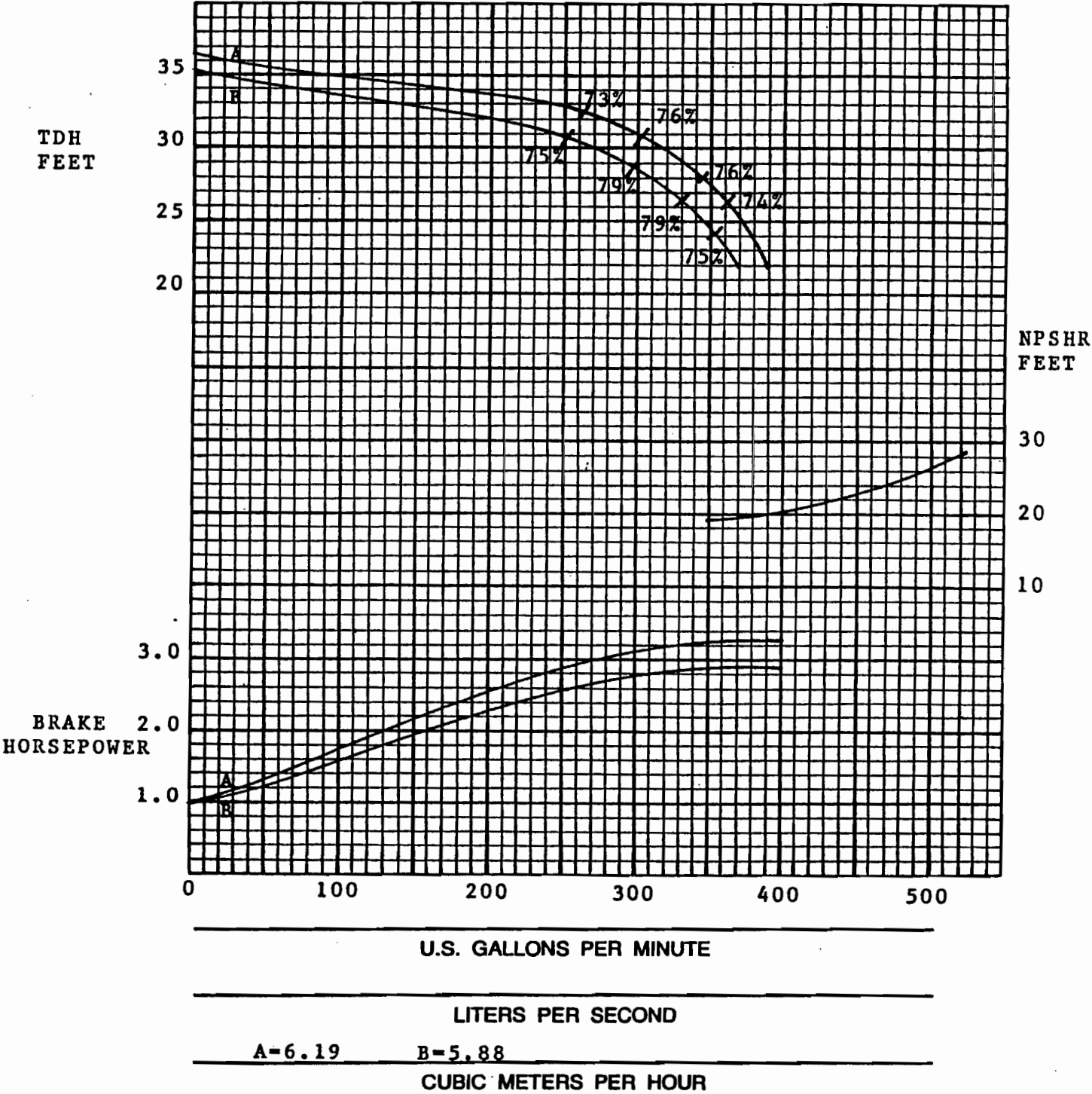


Section 5
Page 4.3
Curve No. 180804
Effective July 1991
Supersedes October 1989

1770 RPM
SINGLE STAGE PERFORMANCE

Model 8ACH
Standard Construction

☐ STAGES REQUIRED



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

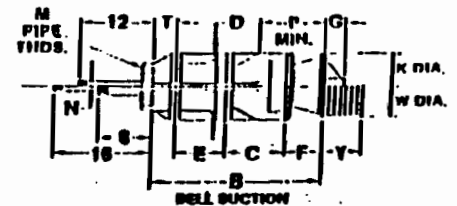
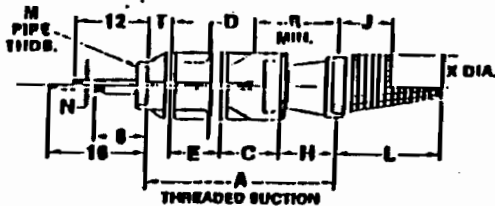
Customer: _____
Item No.: _____
Capacity: _____ TDH _____ Bowl HP _____ Bowl Efficiency _____

IMPELLER DATA

IMPELLER NO. 408-3-3024 . TYPE ENCLOSED . DIAMETER: A 6.187 " , 157.2 mm,
 B 5.875 " , 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 1.80 lbs. / ft², 8.79 Kg / m².
 EYE FLUID VELOCITY CK .004 ft. / sec. / GPM, .017 m / sec. / LPS.
 PERIPHERAL VELOCITY 7.73 ft. / sec. / inch, .093 m / sec. / mm of impeller dia. Ns 2365

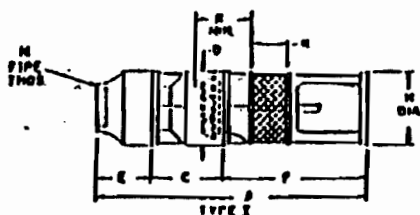
BOWL DATA

BOWL NO. 408-3-2022 . CONNECTION TYPE BOLTED . 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 1.1875 " , 30.2 mm, STANDARD 1.4375 " , 36.5 mm MAXIMUM.
 LATERAL .375 " , 9.5 mm, STANDARD, .4375 " , 11.1 mm MAXIMUM.
 SHAFT BEARING CLEARANCE 0.10 " , 2.54 mm. IMPELLER SKIRT CLEARANCE 0.15 " , 3.81 mm.
 MAXIMUM NUMBER OF STAGES 13 (std. construction).
 MAXIMUM HEAD 525 ft., 160 m (std. construction). MAXIMUM SPHERE SIZE .3125 " , 7.9 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.



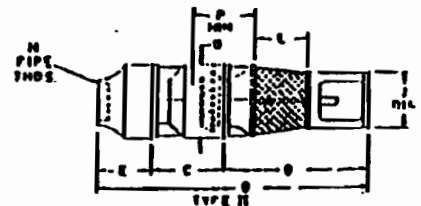
STANDARD DIMENSIONS

	A	B	C	D	E	F	G	H	J	K	L	M	N	P	R	I	W	X	Y
IN.	23.25	20.125	6.0	7.5	8.75	3.875	3.25	7.5	9.0	7.75	16.25	6.0	1.1875	11.625	12.75	-	8.25	10.0	5.0
MM.	590.0	511.2	152.4	190.5	222.3	98.4	82.6	190.5	228.6	196.9	412.8	152.4	30.2	295.3	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.	28.5	28.5	6.0	7.5	8.5	14.0	14.0	7.5625	5.375	12.0	12.00	6.0	11.625	12.75
MM.	723.9	723.9	152.4	190.5	215.9	355.6	355.6	192.1	136.5	304.8	304.8	152.4	295.3	323.9



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