



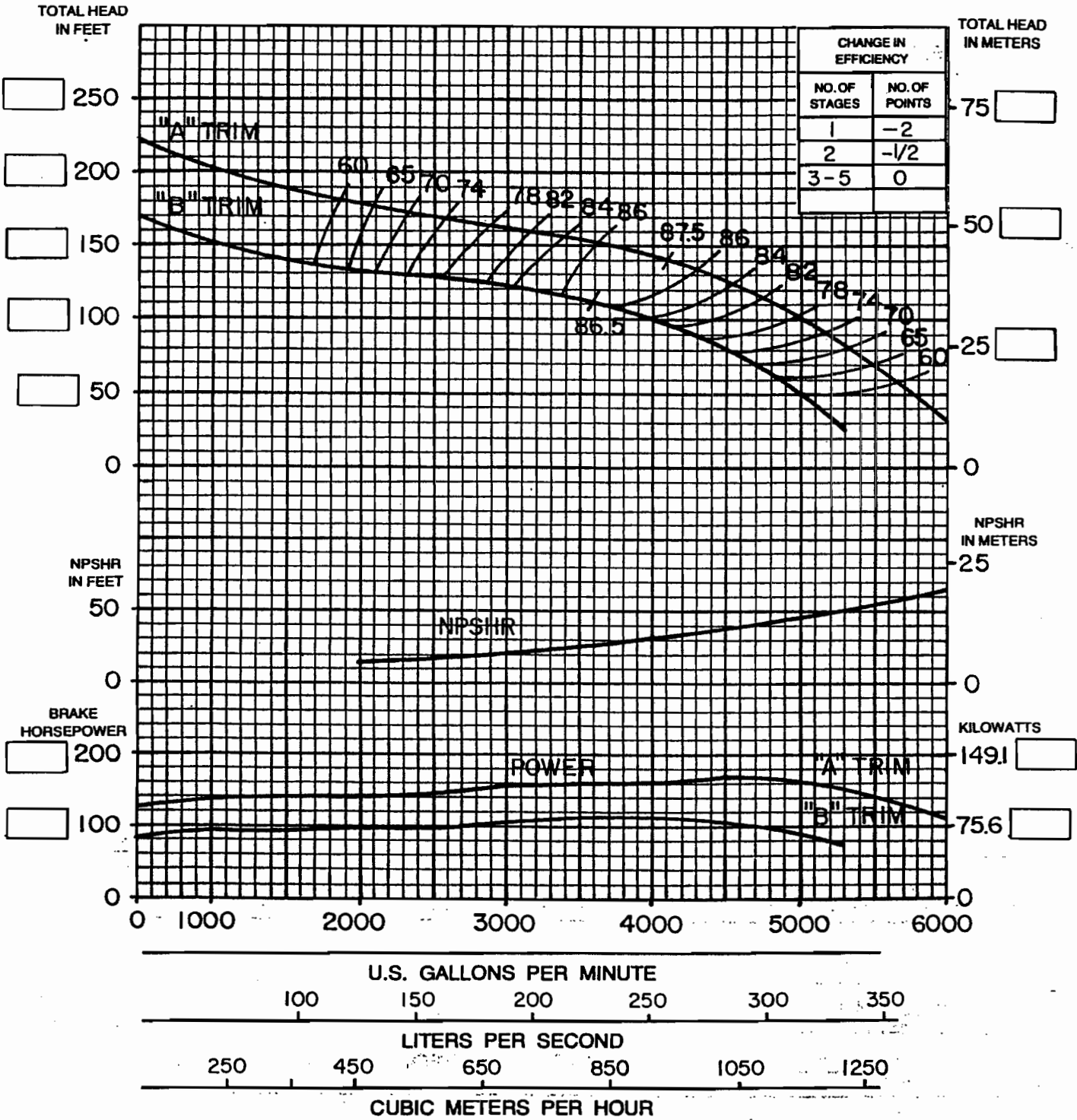
Section 5
Page 49
Curve No. 181801
Effective September 1991
Supersedes June 1984

1770 RPM
SINGLE STAGE PERFORMANCE

MODEL 18ACL

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 _____

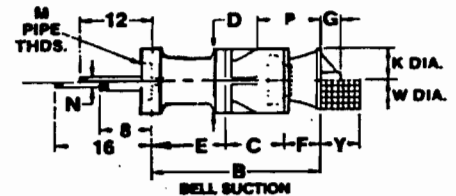
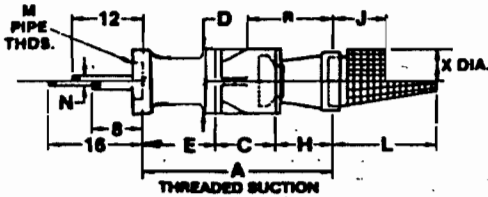
IMPELLER DATA

IMPELLER NO. 418-3-0004 . TYPE ENCLOSED . DIAMETER: A 13.86 ", 351.9 mm,
 B 12.86", 326.5 mm,
 EFFECTIVE EYE AREA 56.03 sq. inches, 36148 sq. mm. NUMBER OF VANES 7 .
 THRUST CONSTANT K 28 lbs. / ft. 408.8 N / m of head. WEIGHT 48 lbs., 21.82 Kg.
 WR² 10.32 lbs. / ft²., 50.39 Kg / m².
 EYE FLUID VELOCITY CK .006 ft. / sec. / GPM, .029 m / sec. / LPS.
 PERIPHERAL VELOCITY 7.73 ft. / sec. / inch, .093 m / sec. / mm of impeller dia. Ns 2767

BOWL DATA

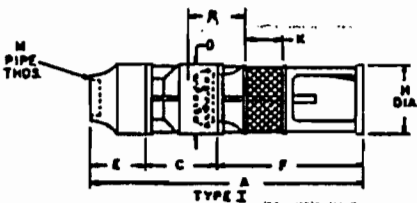
BOWL NO. 418-3-2001 . CONNECTION TYPE BOLTED . NOMINAL DIAMETER (E) 17.56", 446.1 mm.
 MINIMUM DIAMETER (E) * ", * mm.
 COLUMN PIPE SIZE 14 ", 355.6 mm, STANDARD, 10 ", 254 mm, MINIMUM.
 SUCTION PIPE SIZE 14 ", 355.6 mm, STANDARD, 14 ", 355.6 mm, MAXIMUM.
 PUMP SHAFT DIAMETER 2.19 ", 55.56 mm, STANDARD * ", * mm MAXIMUM.
 LATERAL .62 ", 15.88 mm, STANDARD, * ", * mm MAXIMUM.
 SHAFT BEARING CLEARANCE .010 ", .254 mm. IMPELLER SKIRT CLEARANCE .015", .381 mm.
 MAXIMUM NUMBER OF STAGES 3 (std. construction).
 MAXIMUM HEAD 708 ft., 215.9 m (std. construction). MAXIMUM SPHERE SIZE 1.12 ", 28.6 mm.
 PROJECTIONS ABOVE COLUMN PIPE BUTT: **TUBE** 8" 203.2 mm; **SHAFT** 16" 406.4 mm. FOR ENCLOSED LINESHAFT. 12", 302.8mm. FOR OPEN LINESHAFT.

*REFER TO FACTORY



STANDARD DIMENSIONS

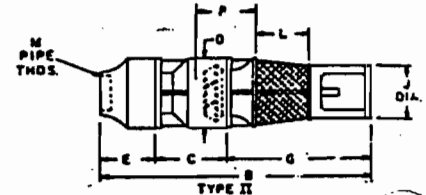
	A	B	C	D	E	F	G	H	J	K	L	M	N	P	R	T	W	X	Y
IN.	3 1/4	31	12 1/2	17 9/16	7 1/8	7 3/4	4 3/4	7 7/8	16	17 9/16	41 7/8	14	23 3/16	10 7/8	8 1/2	3 5/8	18 3/16	20	10
MM.	793.6	787.4	317.5	446.0	180.9	196.9	120.7	200.2	406.4	446.0	1063.8	355.6	55.6	276.4	215.9	92.0	462.0	508.0	254.0



REFER TO FACTORY

STANDARD DIMENSIONS

	A	B	C	D	E	F	G	H	J	K	L	M	P	I
IN.														
MM.														



WEIGHT: SINGLE STAGE 690 lbs., 313.3 Kgs. ADDITIONAL STAGE 280 lbs., 127.1 Kgs.