



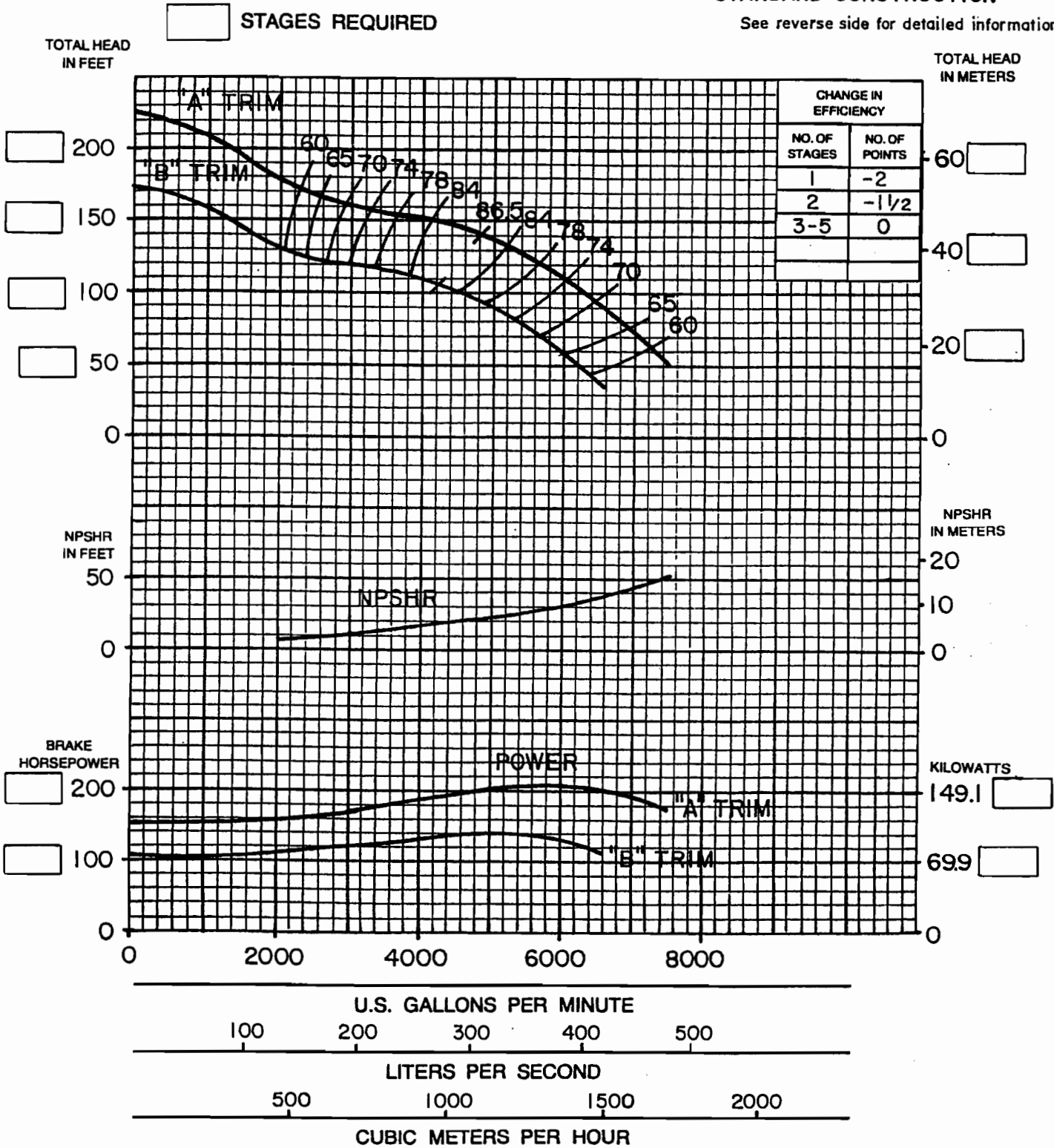
Section 5
Page 50
Curve No. 181802
Effective September 1991
Supersedes June 1983

1770 RPM
SINGLE STAGE PERFORMANCE

MODEL 18ACH

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.: _____

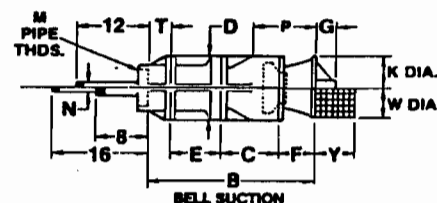
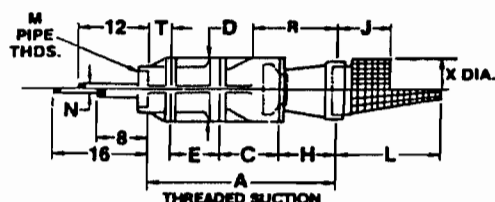
Capacity: _____ TDH _____ Bowl HP _____ Bowl Efficiency _____

IMPELLER DATA

IMPELLER NO. 418-3-3006 . TYPE ENCLOSED . DIAMETER: A 13.86 ", 352.0 mm,
 B 12.86 ", 326.6 mm, C ", 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 45 lbs., 20.45 Kg.
 WR^2 10.81 lbs. / ft²., 52.78 Kg / m².
 EYE FLUID VELOCITY CK .006 ft. / sec. / GPM, .029 m / sec. / LPS.
 PERIPHERAL VELOCITY 7.72 ft. / sec. / inch, .093 m / sec. mm of impeller dia. Ns 3012

BOWL DATA

BOWL NO. 418-3-2001 . CONNECTION TYPE FLANGED . NOMINAL DIAMETER (E) 17.56 ", 446.0 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 ", 55.63 mm, STANDARD ★ ", ★ mm MAXIMUM.
 LATERAL .625 ", 15.88 mm, STANDARD, ★ ", ★ mm MAXIMUM.
 SHAFT BEARING CLEARANCE .010 ", .252 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 ", 28.58 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.
 ★ REFER TO FACTORY.
 WEIGHT: SINGLE STAGE 687 lbs., 311.89 Kgs. ADDITIONAL STAGE 277 lbs., 125.75 Kgs.



STANDARD DIMENSIONS

	A	B	C	D	E	F	G	H	J	K	L	M	N	P	R	T	W	X	
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	2 3/16	10 7/8	8 1/2	3 5/8	18 3/16	20	10
MM.	793.8	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	91.9	462.0	508.0	254.0