



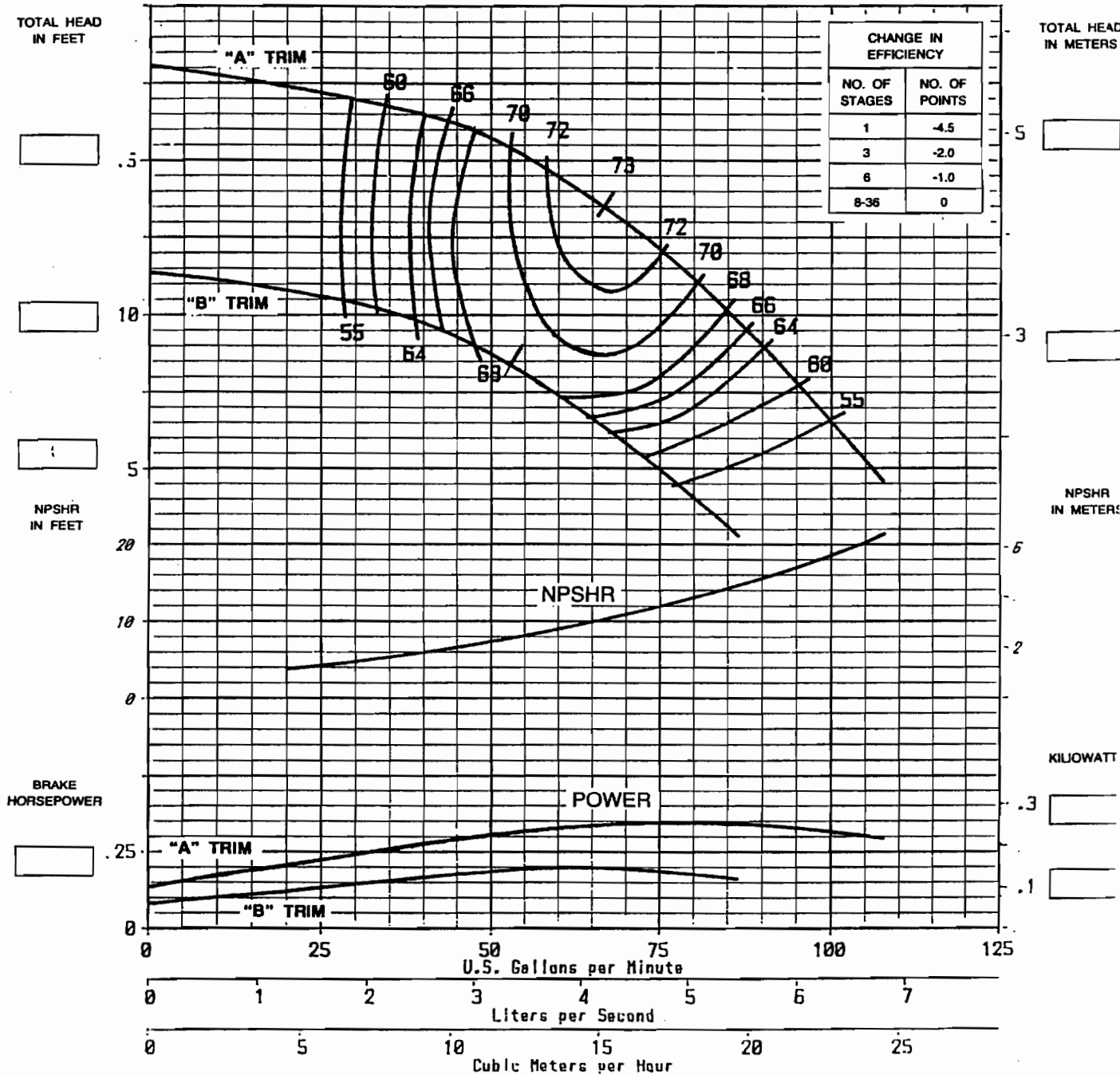
Section 5
Page 2.1
Curve No. 180604
Effective June 1983
Supersedes May 1978

1770 RPM
SINGLE STAGE PERFORMANCE

MODEL 6BCL
ENCLOSED IMPELLER
STANDARD CONSTRUCTION

☐ STAGES REQUIRED

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 _____

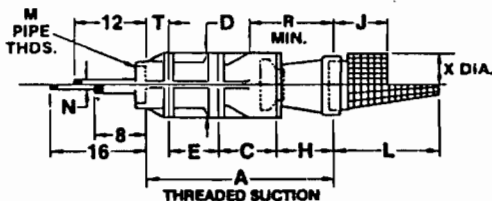
IMPELLER DATA

6 BCL
1770

IMPELLER NO. 406-3-3002 . TYPE Enclosed . DIAMETER: A 4.50 ", 114.3 mm,
B 3.83 ", 97.3 mm
EFFECTIVE EYE AREA 3.92 sq. inches, 2529 sq. mm. NUMBER OF VANES 6 .
THRUST CONSTANT K 1.5 lbs. / ft. 21.9 N / m of head. WEIGHT 2.10 lbs., .953 Kg.
WR² .049 lbs. / ft²., .239 Kg / m².
EYE FLUID VELOCITY CK .082 ft. / sec. / GPM, .395 m / sec. / LPS.
PERIPHERAL VELOCITY 7.73 ft. / sec. / inch, .093 m / sec. / mm of impeller dia. Ns 1959

BOWL DATA

BOWL NO. 406-3-2001 . CONNECTION TYPE Threaded . NOMINAL DIAMETER (E) 5¹¹/₁₆ ", 144.46 mm.
MINIMUM DIAMETER (E) 5¹¹/₁₆ ", 144.46 mm.
COLUMN PIPE SIZE 4 ", 101.6 mm, STANDARD, ", mm, MAXIMUM
SUCTION PIPE SIZE 4 ", 101.6 mm, STANDARD, ", mm, MAXIMUM.
PUMP SHAFT DIAMETER 1.0 ", 25.4 mm, STANDARD ", mm MAXIMUM.
LATERAL .3125 ", 7.94 mm, STANDARD, ", mm MAXIMUM.
SHAFT BEARING CLEARANCE .010 ", .254 mm. IMPELLER SKIRT CLEARANCE .015 ", .381 mm.
MINIMUM NUMBER OF STAGES 36 (std. construction).
MAXIMUM HEAD 1337 ft., 408 m (std. construction). MAXIMUM SPHERE SIZE 5/₁₆ ", 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	T	W	X	Y
IN.	20 ¹¹ / ₁₆	—	4 ¹¹ / ₁₆	5 ¹¹ / ₁₆	9 ¹¹ / ₁₆	—	—	7 ¹ / ₂	7	—	12 ³ / ₄	4	1	—	8 ¹ / ₂	3 ³ / ₄	—	8	—
MM.	531.8	—	115.9	144.5	233.4	—	—	190.5	177.8	—	323.8	101.6	25.4	—	215.9	92.1	—	203.2	—

WEIGHT: SINGLE STAGE 65 LBS., 29.4 KGS. ADDITIONAL STAGE 22 LBS., 9.97 KGS.