

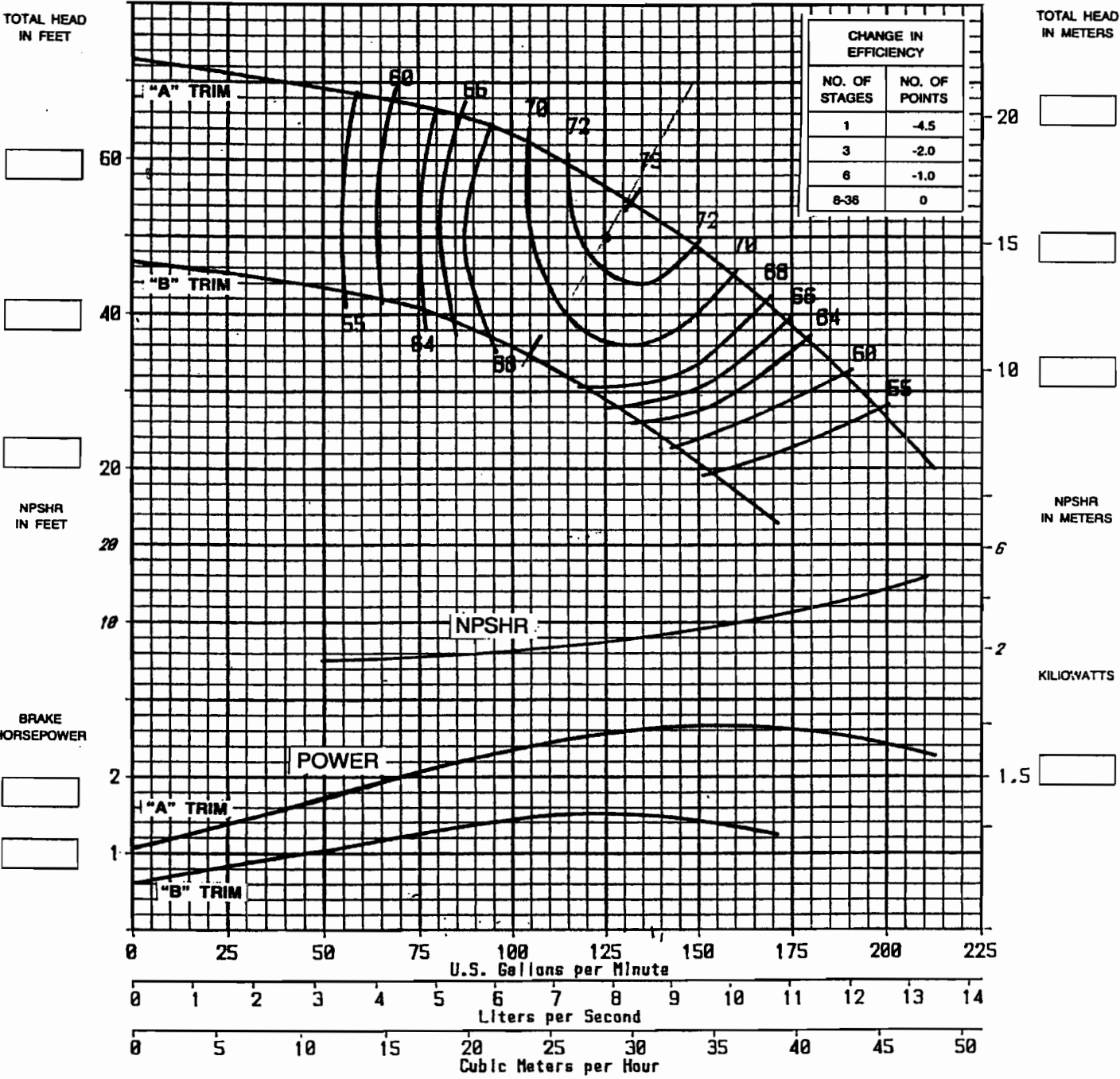


Section 4
Page 3.1
Curve No. 360604
Effective May 1983
Supersedes October 1976

3500 RPM
SINGLE STAGE PERFORMANCE

MODEL 6BCL
ENCLOSED IMPELLER
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 _____

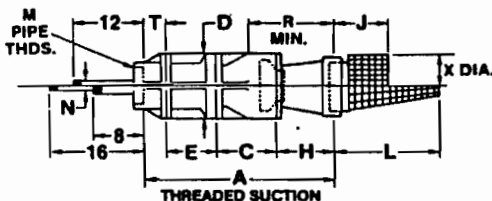
IMPELLER DATA

6 BCL
3500

IMPELLER NO. 406-3-3002 . TYPE Enclosed . DIAMETER: A 4.5 ", 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 15.72 ft. / sec. / inch, .189 m / sec. / mm of impeller dia. Ns 1959

BOWL DATA

BOWL NO. 406-3-2001 . CONNECTION TYPE Threaded . NOMINAL DIAMETER (E) 5 1/16 ", 144.46 mm.
MINIMUM DIAMETER (E) 5 1/16 ", 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.
MAXIMUM 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 ¹⁹ / ₁₆	—	4 ¹⁹ / ₁₆	5 ¹ / ₁₆	9 ³ / 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.