



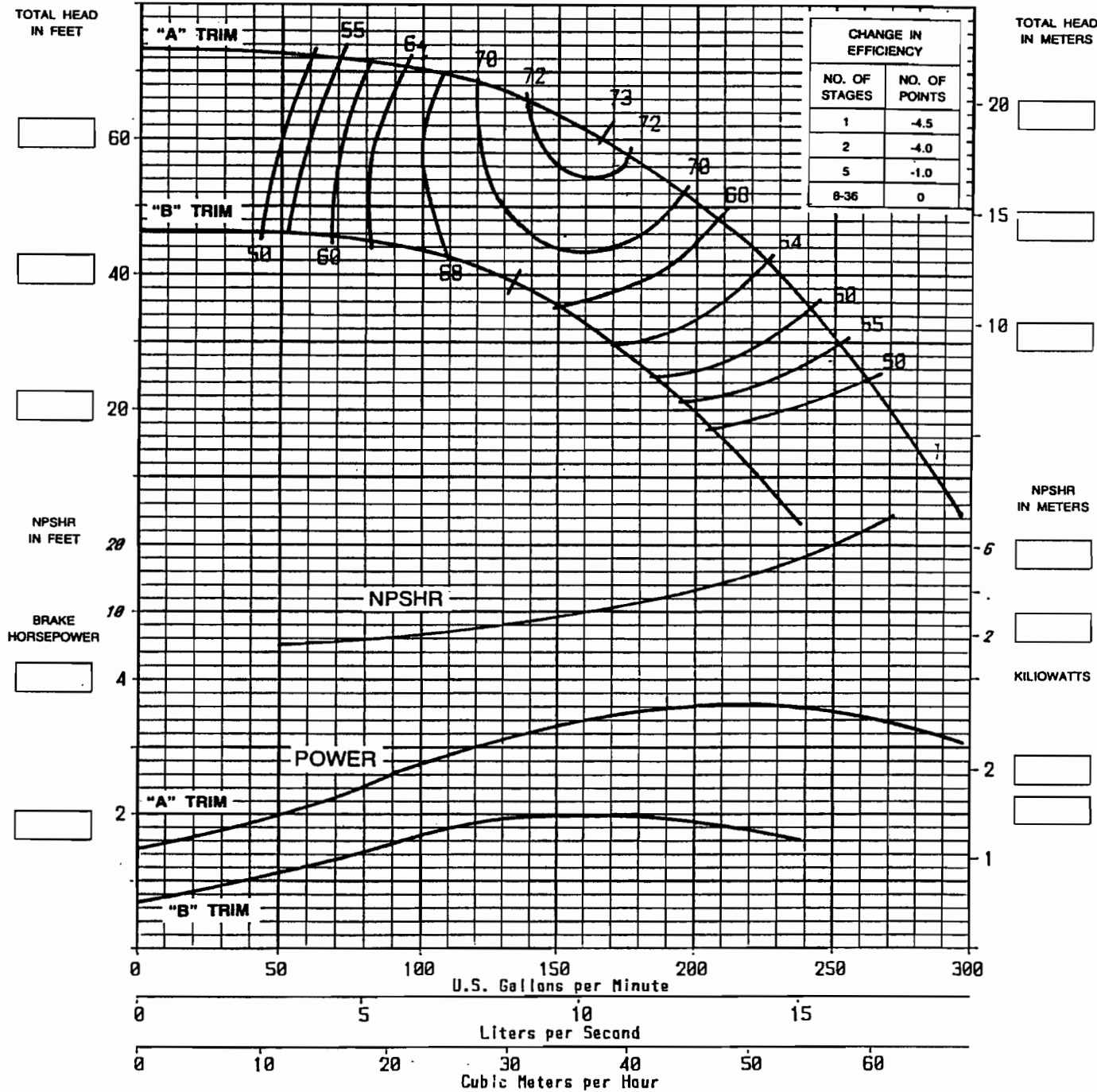
Section 4
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Curve No. 360605
Effective May 1983
Supersedes October 1976

3500 RPM
SINGLE STAGE PERFORMANCE

MODEL 6BCM
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 _____

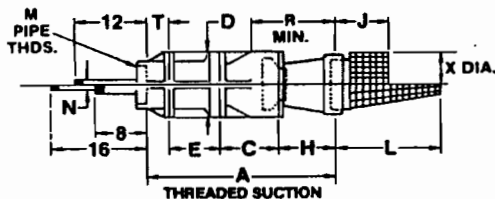
IMPELLER DATA

6 BCM
3500

IMPELLER NO. 406-3-3003 . TYPE Enclosed . DIAMETER: A 4.50 ", 114.3 mm,
B 3.83 ", 97.3 mm
EFFECTIVE EYE AREA 4.05 sq. inches, 2613 sq. mm. NUMBER OF VANES 8 .
THRUST CONSTANT K 1.5 lbs. / ft. 21.9 N / m of head. WEIGHT 2.40 lbs., 1.09 Kg.
WR² .056 lbs. / ft²., .273 Kg / m².
EYE FLUID VELOCITY CK .079 ft. / sec. / GPM, .382 m / sec. / LPS.
PERIPHERAL VELOCITY 15.72 ft. / sec. / inch, .189 m / sec. / mm of impeller dia. Ns 2085

BOWL DATA

BOWL NO. 406-3-2001 . CONNECTION TYPE Threaded . NOMINAL DIAMETER (E) 5 11/16 ", 144.46 mm.
MINIMUM DIAMETER (E) 5 11/16 ", 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 0.25 ", 6.35 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 9/32 ", 7.1 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 15/16	5 11/16	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.