

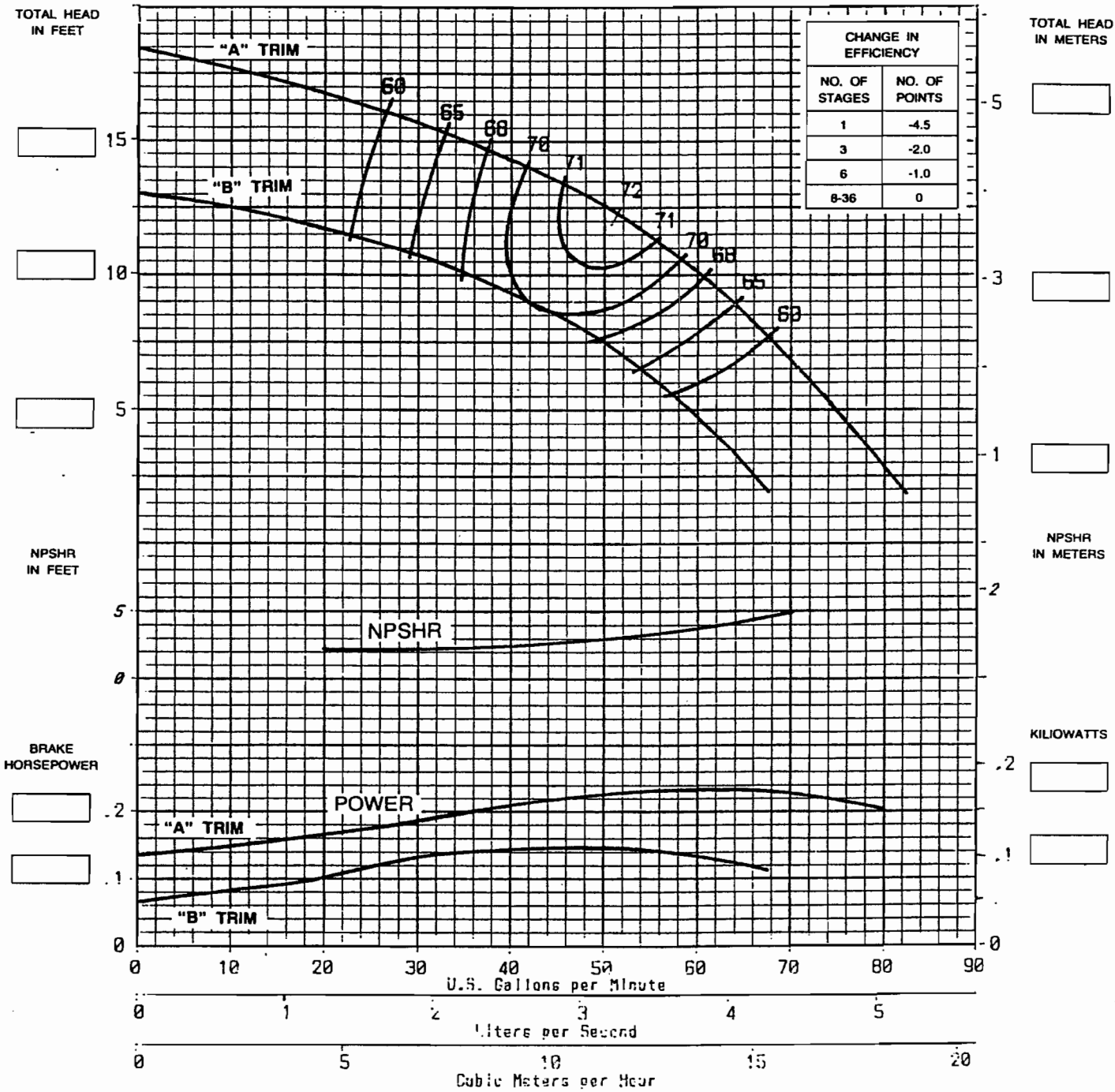


Section 5
Page 1.0
Curve No. 180601
Effective September 1984
Supersedes

1770 RPM
SINGLE STAGE PERFORMANCE

MODEL 6DCL
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 _____

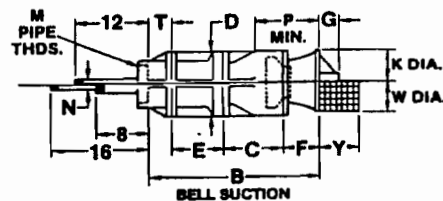
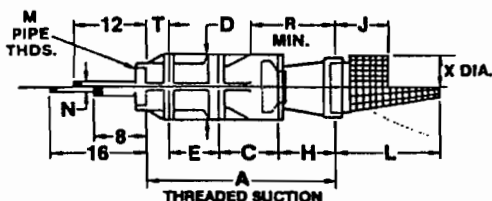
IMPELLER DATA

6 DCL
1770

IMPELLER NO. 406-3-3006 . TYPE Enclosed . DIAMETER: A 4.56 ", 115.9 mm,
B 3.94 ", 100.0 mm
EFFECTIVE EYE AREA 3.55 sq. inches, 2290.5 sq. mm. NUMBER OF VANES 5 .
THRUST CONSTANT K 1.9 lbs. / ft. 27.7 N / m of head. WEIGHT 2.18 lbs., .099 Kg.
WR² .036 lbs. / ft²., .176 Kg / m².
EYE FLUID VELOCITY CK .090 ft. / sec. / GPM, .436 m / sec. / LPS.
PERIPHERAL VELOCITY 7.73 ft. / sec. / inch, .093 m / sec. / mm of impeller dia. Ns 1955

BOWL DATA

BOWL NO. 406-3-2002 . CONNECTION TYPE Threaded . NOMINAL DIAMETER (E) 5½ ", 139.7 mm.
MINIMUM DIAMETER (E) 5⅞ ", 138.1 mm.
COLUMN PIPE SIZE 4 ", 101.6 mm, STANDARD, 4 ", 101.6 mm, MAXIMUM
SUCTION PIPE SIZE 4 ", 101.6 mm, STANDARD, 4 ", 101.6 mm, MAXIMUM.
PUMP SHAFT DIAMETER 1.0 ", 25.4 mm, STANDARD 1⅞ ", 30.2 mm MAXIMUM.
LATERAL ⅞ ", 11.1 mm, STANDARD, _____", _____ mm MAXIMUM.
FT BEARING CLEARANCE .010 ", .254 mm. IMPELLER SKIRT CLEARANCE .015 ", .381 mm.
MAXIMUM NUMBER OF STAGES 20 (std. construction).
MAXIMUM HEAD 1155 ft., 352 m (std. construction). MAXIMUM SPHERE SIZE ⅜ ", 4.8 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.	16½	14¼	4½	5½	6¾	3	3¼	5¼	7	5¼	12¾	4	1	8	10½	3¼	6¼	8	5¼
MM.	419.1	361.9	114.3	139.7	171.5	76.2	82.6	133.4	177.8	146.1	323.9	101.6	25.4	203.2	266.7	88.9	158.8	203.2	133.4

WEIGHT: SINGLE STAGE 56¼ LBS., 25.5 KGS. ADDITIONAL STAGE 15¾ LBS., 7.14 KGS.