



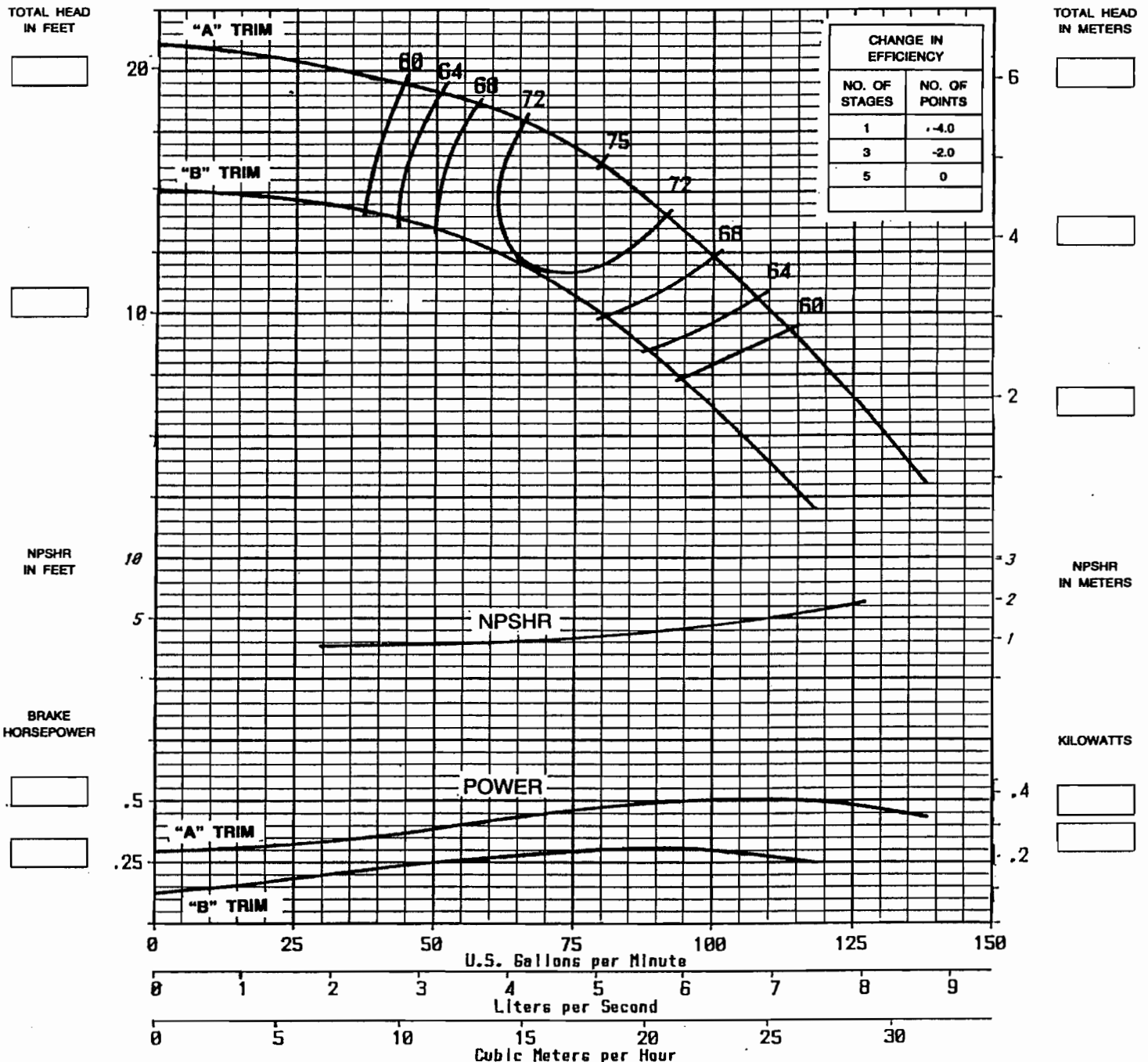
1770 RPM
SINGLE STAGE PERFORMANCE

STAGES REQUIRED

STANDARD CONSTRUCTION

See reverse side for detailed information.

MODEL 6DCH
ENCLOSED IMPELLER
STANDARD CONSTRUCTION



Pump hydraulic performance is based on handling cold clear, fresh nonaerated water, free of foreign materials.

Customer: _____
Item No.: _____
Capacity: _____ TDH _____ Head HP _____ Head Efficiency _____

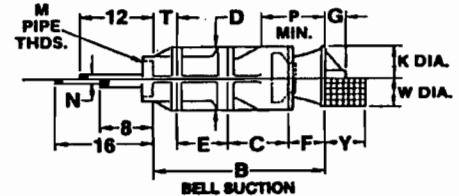
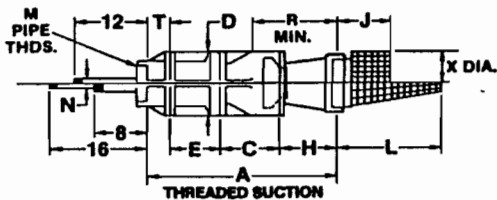
IMPELLER DATA

6 DCH
1770

IMPELLER NO. 406-3-3007 . 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 8 .
THRUST CONSTANT K 1.9 lbs. / ft. 27.7 N / m of head. WEIGHT 2.25 lbs., 1.02 Kg.
WR² .051 lbs. / ft²., .249 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 1⅜ ", 30.2 mm MAXIMUM.
LATERAL ⅞ ", 11.1 mm, STANDARD, ", mm MAXIMUM.
SHAFT 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 ", 9.5 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	6¼	3	3¼	5¼	7	5¼	12¼	4	1	8	10½	3½	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 15¼ LBS., 7.14 KGS.