



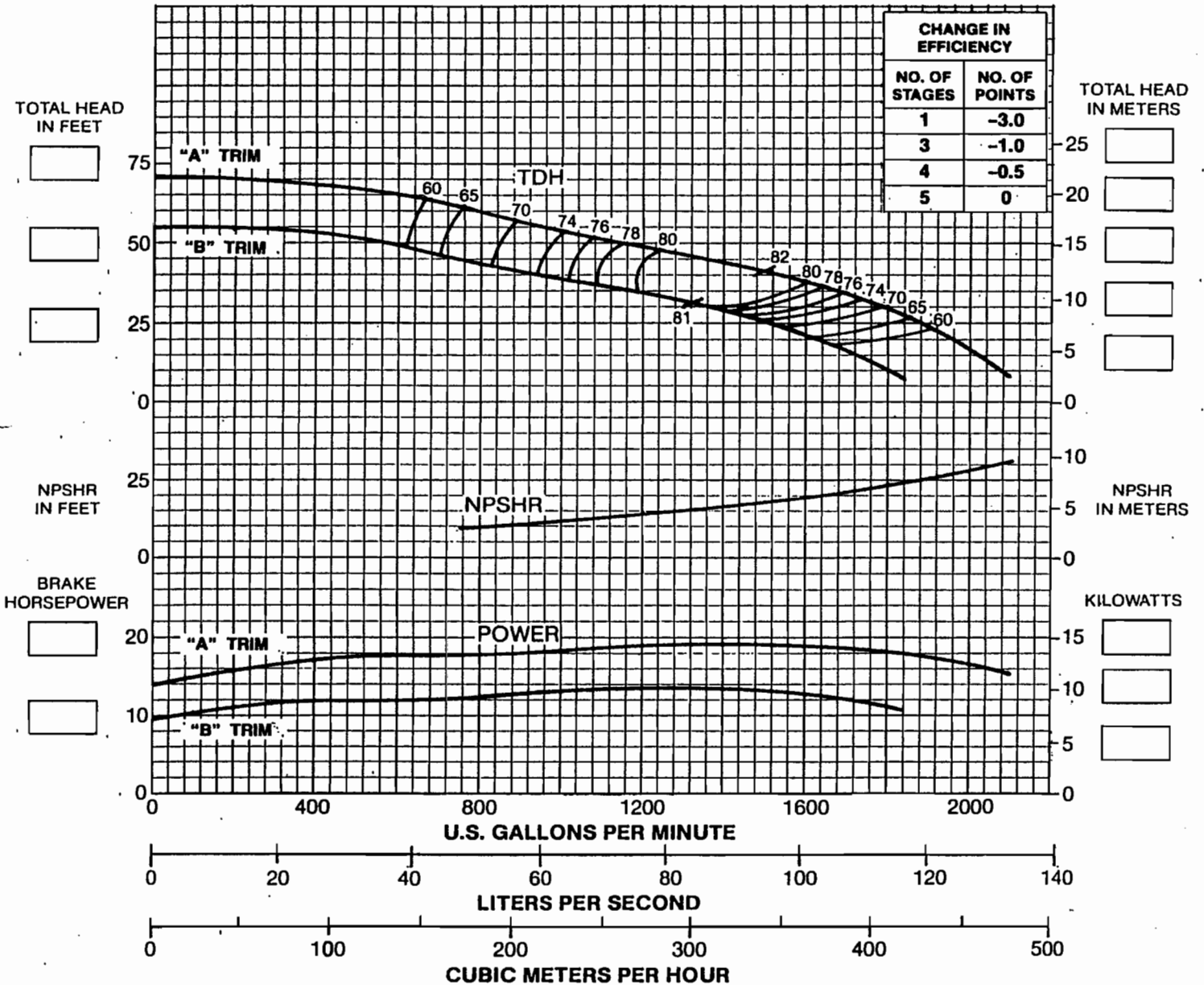
1770 RPM
SINGLE STAGE PERFORMANCE

☐ STAGES REQUIRED

STANDARD CONSTRUCTION

See reverse side for detailed information.

**MODEL 12BCH
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 _____ Bowl HP _____ Bowl Efficiency _____

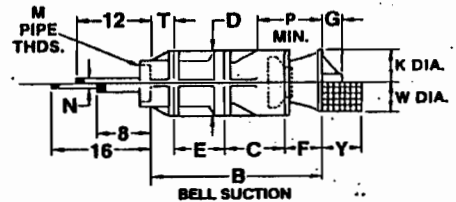
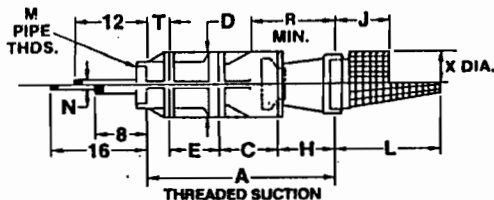
IMPELLER DATA

12 BCH
1770

IMPELLER NO. 412-3-3002 . TYPE Enclosed . DIAMETER: A 9.15 ", 232.4 mm,
B 8.43 ", 214.1 mm
EFFECTIVE EYE AREA 27.70 sq. inches, 17872 sq. mm. NUMBER OF VANES 8 .
THRUST CONSTANT K 15.7 lbs. / ft. 229.2 N / m of head. WEIGHT 16.7 lbs., 7.57 Kg.
WR² 1.50 lbs. / ft², 7.32 Kg / m².
EYE FLUID VELOCITY CK .012 ft. / sec. / GPM, .058 m / sec. / LPS.
PERIPHERAL VELOCITY 7.73 ft. / sec. / inch, .093 m / sec. / mm of impeller dia. Ns 4170

BOWL DATA

BOWL NO. 412-3-2002 . CONNECTION TYPE Bolted . NOMINAL DIAMETER (E) 11 3/4 ", 298.5 mm.
MINIMUM DIAMETER (E) 11 3/4 ", 298.5 mm.
COLUMN PIPE SIZE 8 ", 203 mm, STANDARD, 10 ", 254 mm, MAXIMUM
SUCTION PIPE SIZE 8 ", 203 mm, STANDARD, 10 ", 254 mm, MAXIMUM.
PUMP SHAFT DIAMETER 1.6875 ", 42.86 mm, STANDARD 1.9375 ", 49.2 mm MAXIMUM.
LATERAL 7/8 ", 22.2 mm, STANDARD, 1 ", 25.4 mm MAXIMUM.
SHAFT BEARING CLEARANCE .010 ", .254 mm. IMPELLER SKIRT CLEARANCE .015 ", .381 mm.
MAXIMUM NUMBER OF STAGES 18 (std. construction).
MAXIMUM HEAD 965 ft., 294 m (std. construction). MAXIMUM SPHERE SIZE 1 3/32 ", 27.7 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.	24 3/16	23 3/16	9 1/2	11 3/4	4 3/16	5 1/4	4 1/2	6 1/4	11	11 1/4	31 1/4	10	1 7/16	17 1/4	18 1/4	4	12 1/4	12	8
MM.	617.5	592.1	238.1	298.45	109.5	146.0	114.3	171.45	279.4	298.45	796.9	254	42.86	447.7	473.1	101.6	311.15	304.8	203.2

WEIGHT: SINGLE STAGE 310 LBS., 140.74 KGS. ADDITIONAL STAGE 94 LBS., 42.67 KGS.