



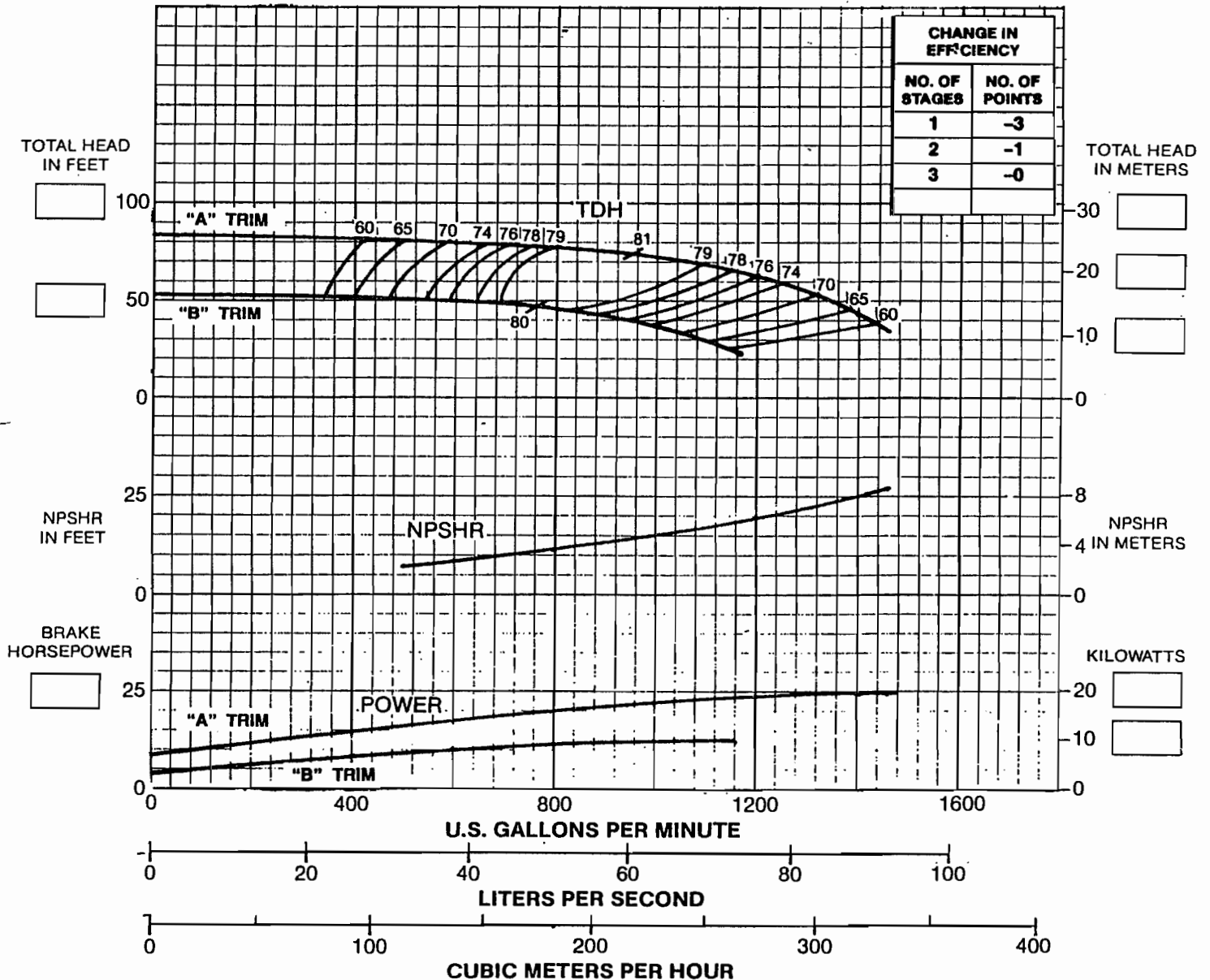
1770 RPM
SINGLE STAGE PERFORMANCE

☐ STAGES REQUIRED

STANDARD CONSTRUCTION

* See reverse side for detailed information.

**MODEL 12HCCM
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 _____

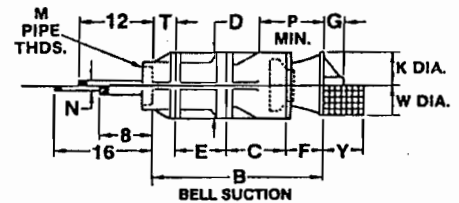
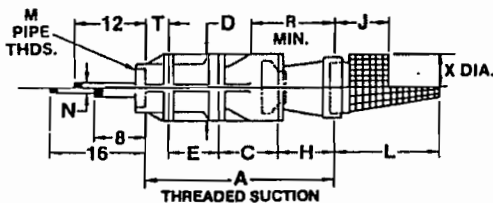
IMPELLER DATA

12 HCCM
1770

IMPELLER NO. 412-3-3003 . TYPE Enclosed . DIAMETER: A 9.125 ", 231.8 mm,
B 8.00 ", 203.2 mm
EFFECTIVE EYE AREA 18.50 sq. inches, 11936 sq. mm. NUMBER OF VANES 8 .
THRUST CONSTANT K 9.1 lbs. / ft. 132.8 N / m of head. WEIGHT 15.8 lbs., 7.17 Kg.
WR² 3.39 lbs. / ft²., 16.6 Kg / m².
EYE FLUID VELOCITY CK .017 ft. / sec. / GPM, .084 m / sec. / LPS.
PERIPHERAL VELOCITY 7.73 ft. / sec. / inch, .093 m / sec. / mm of impeller dia. Ns 2162

BOWL DATA

BOWL NO. 412-3-2003 . CONNECTION TYPE Bolted . NOMINAL DIAMETER (E) 11¾ ", 298.5 mm.
MINIMUM DIAMETER (E) 11¾ ", 298.5 mm.
COLUMN PIPE SIZE 8 ", 203.2 mm, STANDARD, 10 ", 254 mm, MAXIMUM
SUCTION PIPE SIZE 8 ", 203.2 mm, STANDARD, 10 ", 254 mm, MAXIMUM.
PUMP SHAFT DIAMETER 1.6875 ", 42.8 mm, STANDARD _____", _____ mm MAXIMUM.
ATERAL .075 ", 19 mm, STANDARD, _____", _____ mm MAXIMUM.
SHAFT BEARING CLEARANCE .010 ", .254 mm. IMPELLER SKIRT CLEARANCE .015 ", .381 mm.
MAXIMUM NUMBER OF STAGES 18 (std. construction).
MAXIMUM HEAD 945 ft., 288 m (std. construction). MAXIMUM SPHERE SIZE 7/8 ", 22.2 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.	24¾	23½	9¾	11¾	4¾	5¾	4½	7	11	11¾	23¾	8	1¾	17¾	19	4	12¾	12	8
MM.	628.6	596.9	244.5	298.4	106.36	146.0	114.3	177.8	279.4	298.5	600.0	203.2	42.8	447.7	482.6	101.6	311.15	304.8	203.2

WEIGHT: SINGLE STAGE 322 LBS., 146.2 KGS. ADDITIONAL STAGE 118 LBS., 53.5 KGS.