



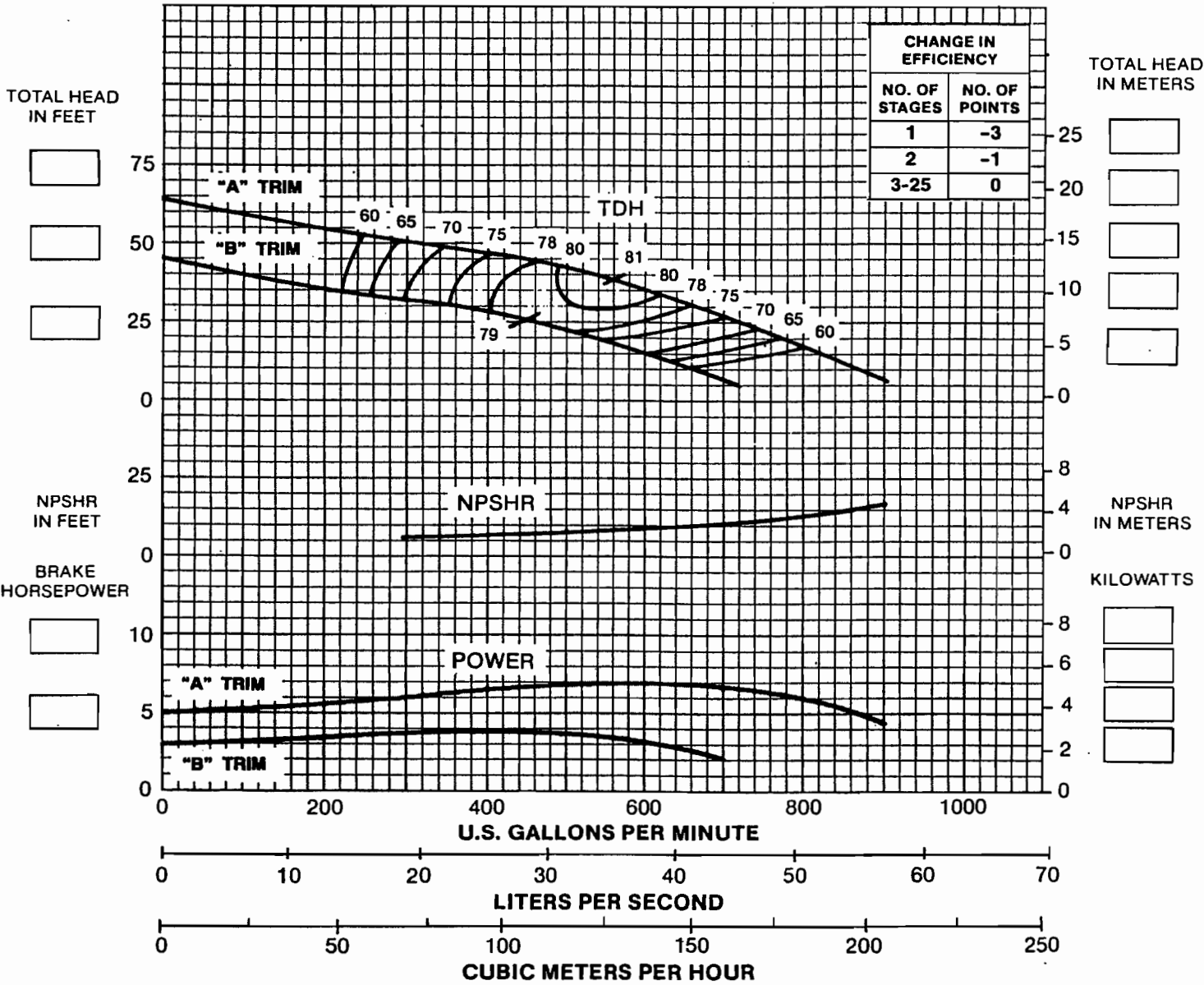
Section 5
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Curve No. 181005
Effective Oct., 1992
Supersedes June, 1983

1770 RPM
SINGLE STAGE PERFORMANCE

☐ STAGES REQUIRED

STANDARD CONSTRUCTION
See reverse side for detailed information.

MODEL 10ECM
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

10 ECM
1770

IMPELLER NO. 410-3-3003 . TYPE Enclosed . DIAMETER: A 7.719 ", 196.1 mm,
B 6.719 ", 170.7 mm

EFFECTIVE EYE AREA 15.90 sq. inches, 10258 sq. mm. NUMBER OF VANES 6 .

THRUST CONSTANT K 8.3 lbs. / ft. 121.2 N / m of head. WEIGHT 10.5 lbs., 4.76 Kg.

WR² 1.72 lbs. / ft²., 8.37 Kg / m².

EYE FLUID VELOCITY CK .020 ft. / sec. / GPM, .097 m /-sec. / LPS.

PERIPHERAL VELOCITY 7.73 ft. / sec. / Inch, .093 m / sec. / mm of impeller dia. Ns 2736

BOWL DATA

BOWL NO. 410-3-2003 . CONNECTION TYPE Bolted . NOMINAL DIAMETER (E) 9⁵/₈ ", 244.5 mm.

MINIMUM DIAMETER (E) 9⁵/₈ ", 244.5 mm.

COLUMN PIPE SIZE 6 ", 152 mm, STANDARD, 8 ", 203 mm, MAXIMUM

SUCTION PIPE SIZE 6 ", 152 mm, STANDARD, 8 ", 203 mm, MAXIMUM.

PUMP SHAFT DIAMETER 1.5 ", 38.1 mm, STANDARD _____", _____ mm MAXIMUM.

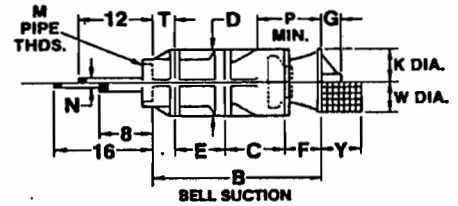
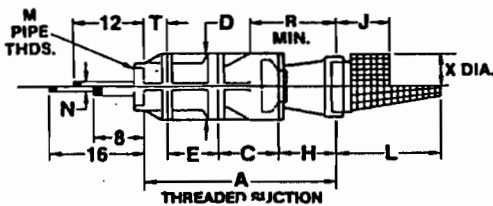
LATERAL .6875 ", 17.46 mm, STANDARD, _____", _____ mm MAXIMUM.

SHAFT BEARING CLEARANCE .010 ", .254 mm. IMPELLER SKIRT CLEARANCE .015 ", .381 mm.

MAXIMUM NUMBER OF STAGES 16 (std. construction).

MAXIMUM HEAD 1060 ft., 323 m (std. construction). MAXIMUM SPHERE SIZE 7⁷/₈ ", 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.	23%	21%	8 ¹ / ₂	9%	4 ¹ / ₂	4%	4 ¹ / ₂	6%	9	9%	16%	6	1 ¹ / ₂	14 ¹ / ₂	16%	4	10%	10	6
MM.	603.3	549.3	215.9	244.5	114.3	117.5	114.3	171.5	228.6	244.5	412.8	152.4	38.1	368.3	422.3	101.6	257.2	254	152.4

WEIGHT: SINGLE STAGE 264 LBS., 119.7 KGS. ADDITIONAL STAGE 75 LBS., 34 KGS.