



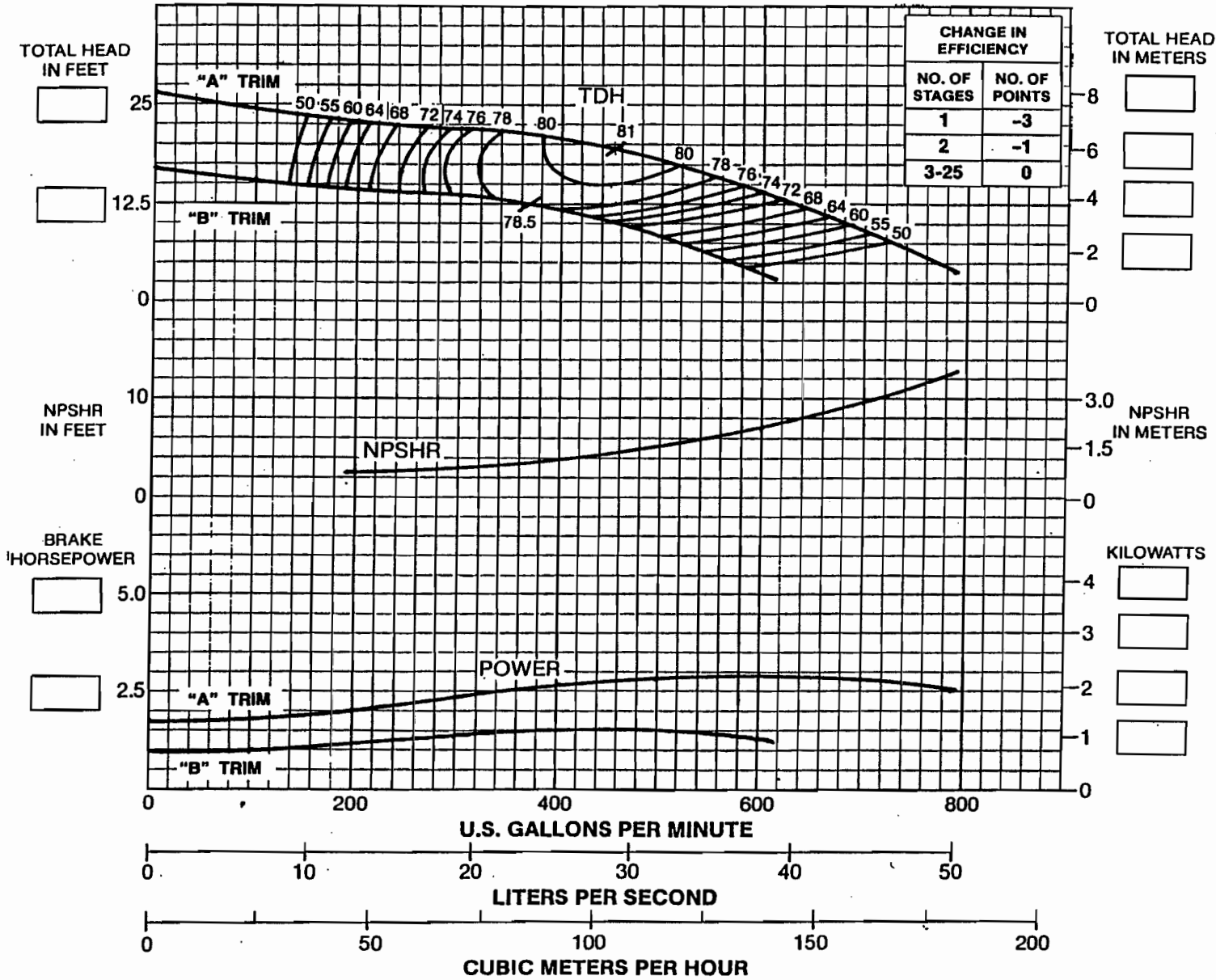
Section 6
Page 10
Curve No. 121007
Effective Oct., 1992
Supersedes June, 1983

1160 RPM
SINGLE STAGE PERFORMANCE

☐ STAGES REQUIRED

STANDARD CONSTRUCTION
See reverse side for detailed information.

MODEL 10ECH
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 _____

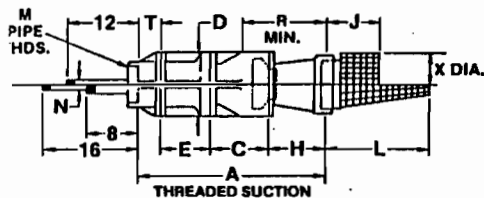
IMPELLER DATA

10 ECH
1160

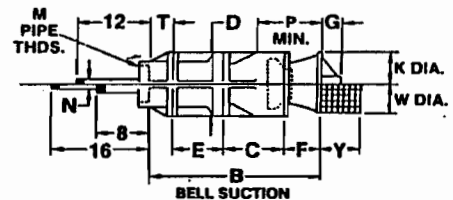
IMPELLER NO. 410-3-3002 . TYPE Enclosed . DIAMETER: A 7.719 ", 196.1 mm,
3 6.719 ", 170.7 mm
EFFECTIVE EYE AREA 15.90 sq. inches, 10258 sq. mm. NUMBER OF VANES 7 .
THRUST CONSTANT K 8.3 lbs. / ft. 121.2 N / m of head. WEIGHT 9.5 lbs., 4.31 Kg.
NR² 1.61 lbs. / ft²., 7.86 Kg / m².
EYE FLUID VELOCITY CK .020 ft. / sec. / GPM, .097 m / sec. / LPS.
PERIPHERAL VELOCITY 5.07 ft. / sec. / inch, .061 m / sec. / mm of impeller dia. Ns 2695

BOWL DATA

BOWL NO. 410-3-2003 . CONNECTION TYPE Bolted . NOMINAL DIAMETER (E) 9 5/8 ", 244.5 mm.
MINIMUM DIAMETER (E) 9 5/8 ", 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 1.50 ", 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 25 (std. construction).
MAXIMUM HEAD 1060 ft., 323 m (std. construction). MAXIMUM SPHERE SIZE 2 1/32 ", 16.7 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.



PUMP HYDRAULIC PERFORMANCE IS BASED ON
STANDARD MATERIALS OF CONSTRUCTION
HANDLING COLD, CLEAR, FRESH, NONAERATED
WATER, FREE OF FOREIGN MATERIALS. LOSSES
ARE NOT INCLUDED.



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 5/8	4 1/2	4 1/4	4 1/2	6 1/4	9	9 5/8	16 1/4	8	1 1/2	14 1/2	16 1/4	4	10 1/4	10	6
MM.	603.3	549.3	215.9	244.5	114.3	117.5	114.3	171.5	228.6	244.5	412.5	203.2	38.1	368.3	422.3	101.6	257.2	254	152.4

WEIGHT: SINGLE STAGE 265 LBS., 120.2 KGS. ADDITIONAL STAGE 76 LBS., 34.5 KGS.