Rentzel Pump Manufacturing

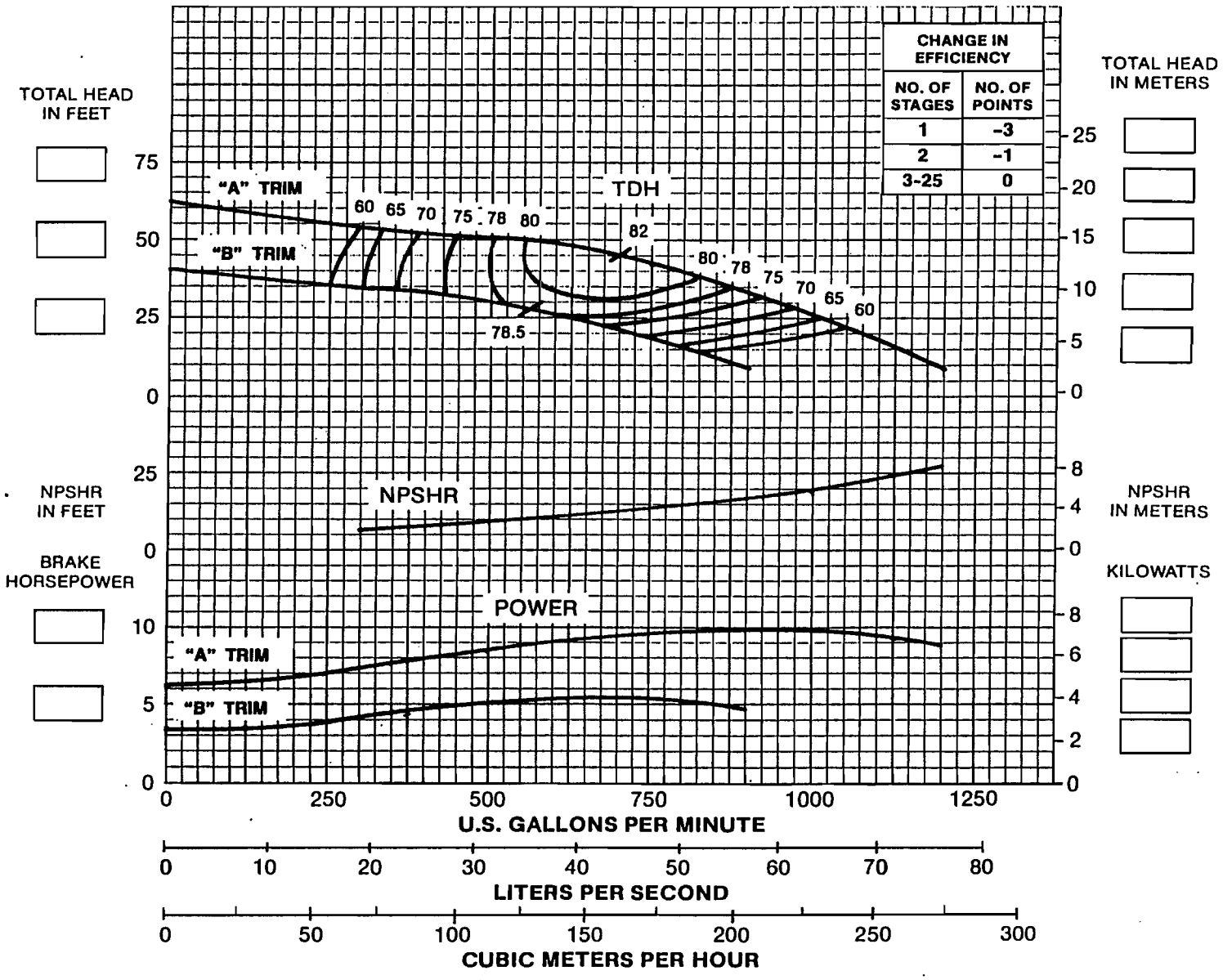
1770 RPM
SINGLE STAGE PERFORMANCE

[ ] 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 _____

10 ECH
1770

IMPELLER DATA

IMPELLER NO. 410-3-3002 . 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 7 .

THRUST CONSTANT K 8.3 lbs. / ft. 121.2 N / m of head. WEIGHT 9.5 lbs., 4.31 Kg.

WR^2 1.61 lbs. / ft^2., 7.86 Kg / m^2.

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 2695

BOWL DATA

BOWL NO. 410-3-2003 . CONNECTION TYPE Bolted . NOMINAL DIAMETER (E) 9⅝ ", 244.5 mm.

MINIMUM DIAMETER (E) 9⅝ ", 244.5 mm.

COLUMN PIPE SIZE 6 ", 152.0 mm, STANDARD, 8 ", 203 mm, MAXIMUM

SUCTION PIPE SIZE 6 ", 152.0 mm, STANDARD, 8 ", 203 mm, MAXIMUM.

PUMP SHAFT DIAMETER 1.50 ", 38.1 mm, STANDARD _____ ", _____ mm MAXIMUM.

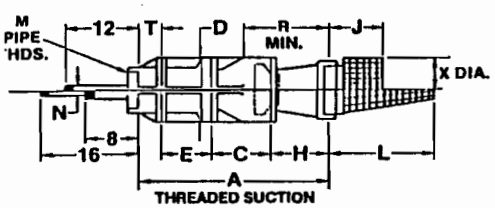
LATERAL 1 1/16 ", 17.46 mm, STANDARD, _____ ", _____ mm MAXIMUM.

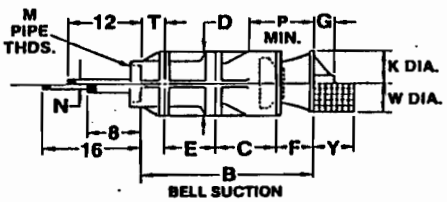
SHAFT BEARING CLEARANCE .010 ", .254 mm. IMPELLER SKIRT CLEARANCE .015 ", .381 mm.

MAXIMUM NUMBER OF STAGES 16 (std. construction).

MAXIMUM HEAD 1060 ft., 323 m (std. construction). MAXIMUM SPHERE SIZE 21/32 ", 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.





STANDARD DIMENSIONS

	A	B	C	D	E	F	G	H	J	K	L	M	N	P	R	T	W	X	Y
IN.	23¾	21⅝	8½	9⅝	4½	4⅝	4½	6¾	9	9⅝	16¼	8	1½	14½	16⅝	4	10¼	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., 120.28 KGS. ADDITIONAL STAGE 76 LBS., 34.5 KGS.