



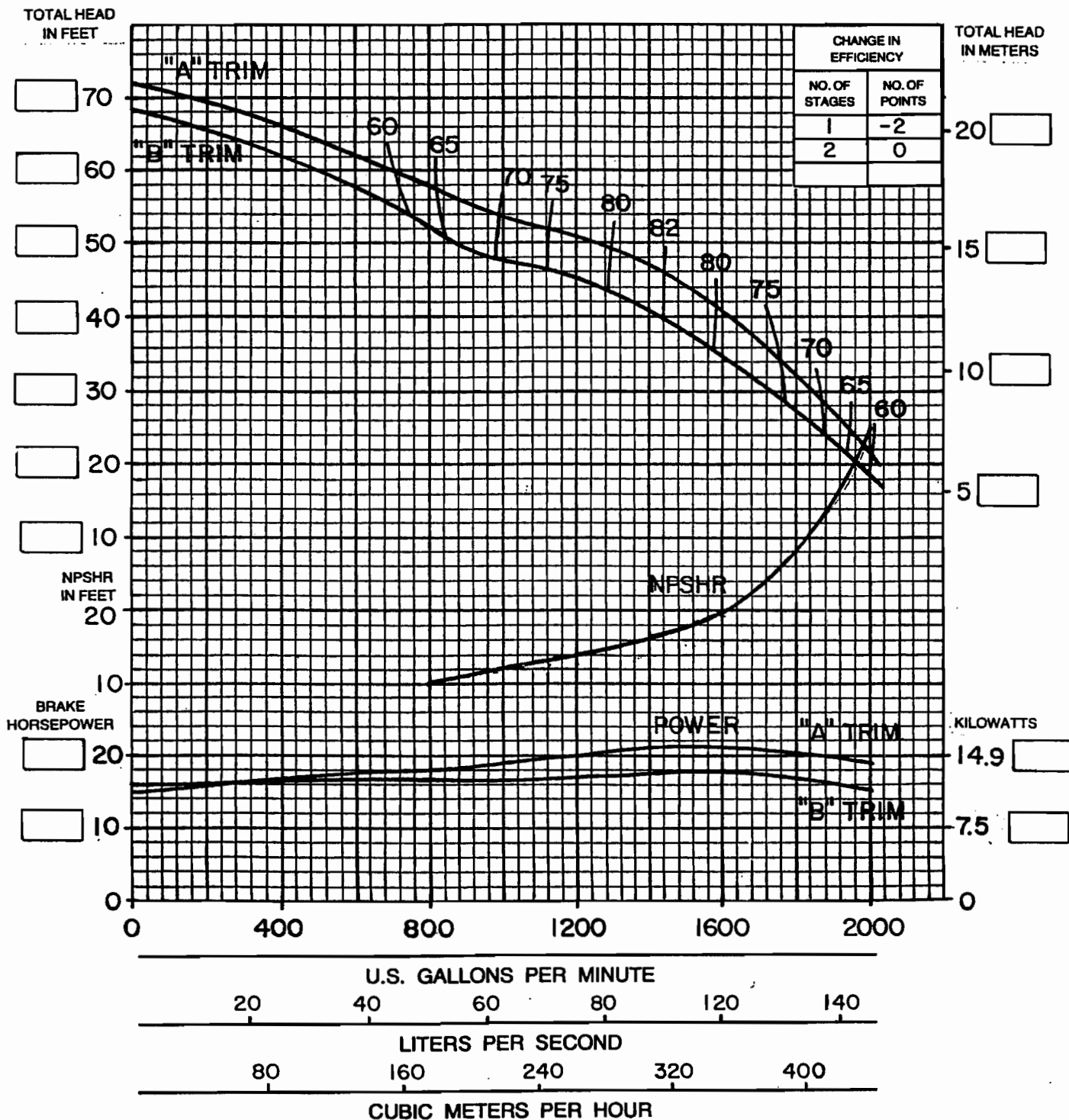
**1770 RPM
SINGLE STAGE PERFORMANCE**

MODEL 12DCH

STANDARD CONSTRUCTION

See reverse side for detailed information.

☐ STAGES REQUIRED



Pump hydraulic performance is based on handling cold clear, fresh nonaerated water, free of foreign materials.

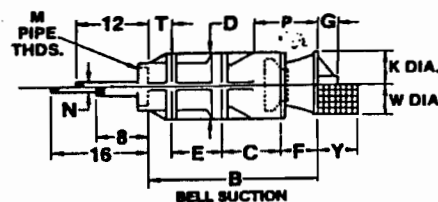
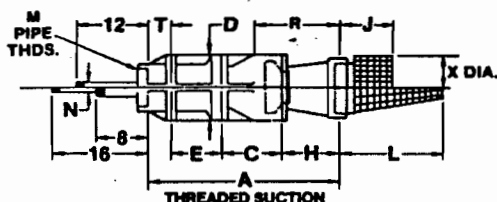
Customer: _____
Item No.: _____
Capacity: _____ TDH _____ Bowl HP _____ Bowl Efficiency _____

IMPELLER DATA

IMPELLER NO. 412-3-3027 . TYPE ENCLOSED . DIAMETER: A 7.75 ", 196.9 mm,
 B 7.25 ", 184.2 mm, C _____ ", _____ mm,
 EFFECTIVE EYE AREA 25.3 sq. inches, 16322.5 sq. mm. NUMBER OF VANES 6 .
 THRUST CONSTANT K 13 lbs. / ft. 189.7 N / m of head. WEIGHT 13.625 lbs., 6.18 Kg.
 WR^2 2.49 lbs. / ft²., 12.13 Kg / m².
 EYE FLUID VELOCITY CK .010 ft. / sec. / GPM, .048 m / sec. / LPS.
 PERIPHERAL VELOCITY 7.72 ft. / sec. / inch, .093 m / sec. / mm of impeller dia. Ns 1802

BOWL DATA

BOWL NO. 412-3-2025 . CONNECTION TYPE BOLTED . NOMINAL DIAMETER (E) 11.38 ", 289.1 mm.
 MINIMUM DIAMETER (E) 11.31 ", 287.3 mm.
 COLUMN PIPE SIZE 8 ", 203.2 mm, STANDARD, 10 ", 254.0 mm, MAXIMUM
 SUCTION PIPE SIZE 8 ", 203.2 mm, STANDARD, 10 ", 254.0 mm, MAXIMUM.
 PUMP SHAFT DIAMETER 1.94 ", 287.3 mm, STANDARD 2.19 ", 55.6 mm MAXIMUM.
 LATERAL .84 ", 21.3 mm, STANDARD, .84 ", 21.3 mm MAXIMUM.
 SHAFT BEARING CLEARANCE .010 ", .254 mm. IMPELLER SKIRT CLEARANCE .015 ", .381 mm.
 MAXIMUM NUMBER OF STAGES 18 (std. construction).
 MAXIMUM HEAD 636 ft., 193.8 m (std. construction). MAXIMUM SPHERE SIZE 1.75 ", 44.5 mm.
 PROJECTIONS ABOVE COLUMN PIPE BUTT: **TUBE** 8",203.2mm; **SHAFT** 16",406.4mm. FOR ENCLOSED
 LINESHAFT. 12",304.8mm. FOR OPEN LINESHAFT.
 WEIGHT: SINGLE STAGE 290 lbs., 131.5 Kgs. ADDITIONAL STAGE 95 lbs., 43.1 Kgs.



STANDARD DIMENSIONS

	A	B	C	D	E	F	G	H	J	K	L	M	N	P	R	T	W	X	
IN.	27 ³ / ₄	26 ³ / ₄	10 ¹ / ₂	11 ³ / ₈	4 ³ / ₁₆	5 ¹ / ₁₆	4 ³ / ₁₆	6 ¹ / ₁₆	8	12	29 ¹ / ₂	8	1 ⁵ / ₁₆	12	13	4 ³ / ₈	12	12	8
MM.	704.9	679.5	266.7	289.1	106.4	144.5	106.4	169.9	203.2	304.8	749.3	203.2	49.3	304.8	330.2	111.3	304.8	304.8	203.2