

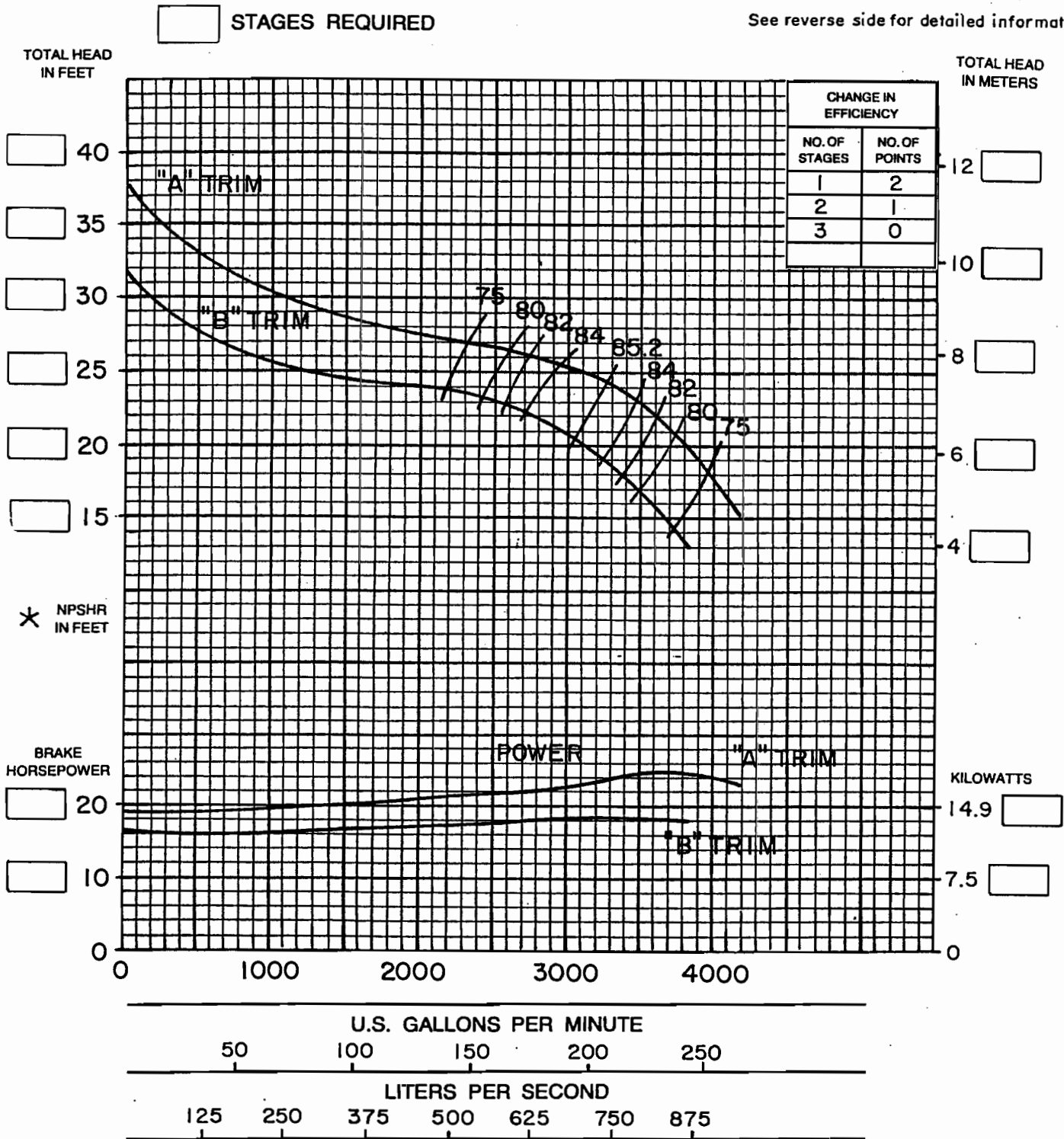


Section 7
Page 28.0
Curve No. 091628
Effective March 1992
Supersedes

870 RPM
SINGLE STAGE PERFORMANCE

MODEL 16CCH
STANDARD CONSTRUCTION

See reverse side for detailed information.



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

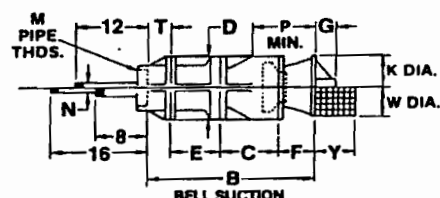
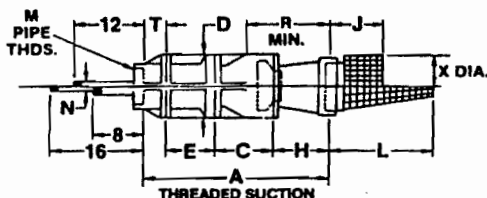
Customer: _____
Item No.: _____
Capacity: _____ TDH _____ Bowl HP _____ Bowl Efficiency _____

IMPELLER DATA

IMPELLER NO. 416-3-3021 . TYPE ENCLOSED . DIAMETER: A 13.50 ", 342.9 mm,
 B 12.50 ", 317.5 mm, C ", mm,
 EFFECTIVE EYE AREA 74.78 sq. inches, 48390 sq. mm. NUMBER OF VANES 6 .
 THRUST CONSTANT K 32.7 lbs. / ft. 477.4 N / m of head. WEIGHT 50 lbs., 22.7 Kg.
 WR² 8 lbs. / ft²., 39.6 Kg / m².
 EYE FLUID VELOCITY CK .0043 ft. / sec. / GPM, .0215 m / sec. / LPS.
 PERIPHERAL VELOCITY 3.80 ft. / sec. / inch, 1.15 m / sec. / mm of impeller dia. Ns 2728.2

BOWL DATA

BOWL NO. 416-3-2021. CONNECTION TYPE BOLTED . NOMINAL DIAMETER (E) 15.38 ", 390.7 mm.
 MINIMUM DIAMETER (E) * ", mm.
 COLUMN PIPE SIZE 10 ", 254.0 mm, STANDARD, 12 ", 304.8 mm, MAXIMUM
 SUCTION PIPE SIZE 12 ", 304.8 mm, STANDARD, * ", mm, MAXIMUM.
 PUMP SHAFT DIAMETER 2.19 ", 55.6 mm, STANDARD * ", mm MAXIMUM.
 LATERAL 1.44 ", 36.5 mm, STANDARD, * ", mm MAXIMUM.
 SHAFT BEARING CLEARANCE .010 ", 2.54 mm. IMPELLER SKIRT CLEARANCE .015 ", 1.61 mm.
 MAXIMUM NUMBER OF STAGES 11 (std. construction).
 MAXIMUM HEAD 632 ft., 192.6 m (std. construction). MAXIMUM SPHERE SIZE 2.38 ", 60.5 mm.
 PROJECTIONS ABOVE COLUMN PIPE BUTT: **TUBE** 8",203.2mm; **SHAFT** 16",406.4mm. FOR ENCLOSED
 LINESHAFT. 12",304.8mm. FOR OPEN LINESHAFT.
 *REFER TO FACTORY.
 WEIGHT: SINGLE STAGE 544 lbs., 247 Kgs. ADDITIONAL STAGE 201 lbs., 92 Kgs.



STANDARD DIMENSIONS

	A	B	C	D	E	F	G	H	J	K	L	M	N	P	R	T	W	X	
IN.	31 ⁵ / ₈	42 ⁷ / ₁₆	14	15 ³ / ₈	5 ³ / ₈	19 ⁷ / ₁₆	N/A	17 ¹ / ₁₆	16	22	33 ³ / ₈	12	23 ³ / ₁₆	22 ¹³ / ₁₆	17 ³ / ₈	3 ⁵ / ₈	22 ¹ / ₂	18	10
MM.	803.3	1077.9	355.6	390.5	136.5	493.7		355.6	406.4	558.8	847.7	304.8	56.6	57.9	441.4	92.1	571.5	457.2	254.0