



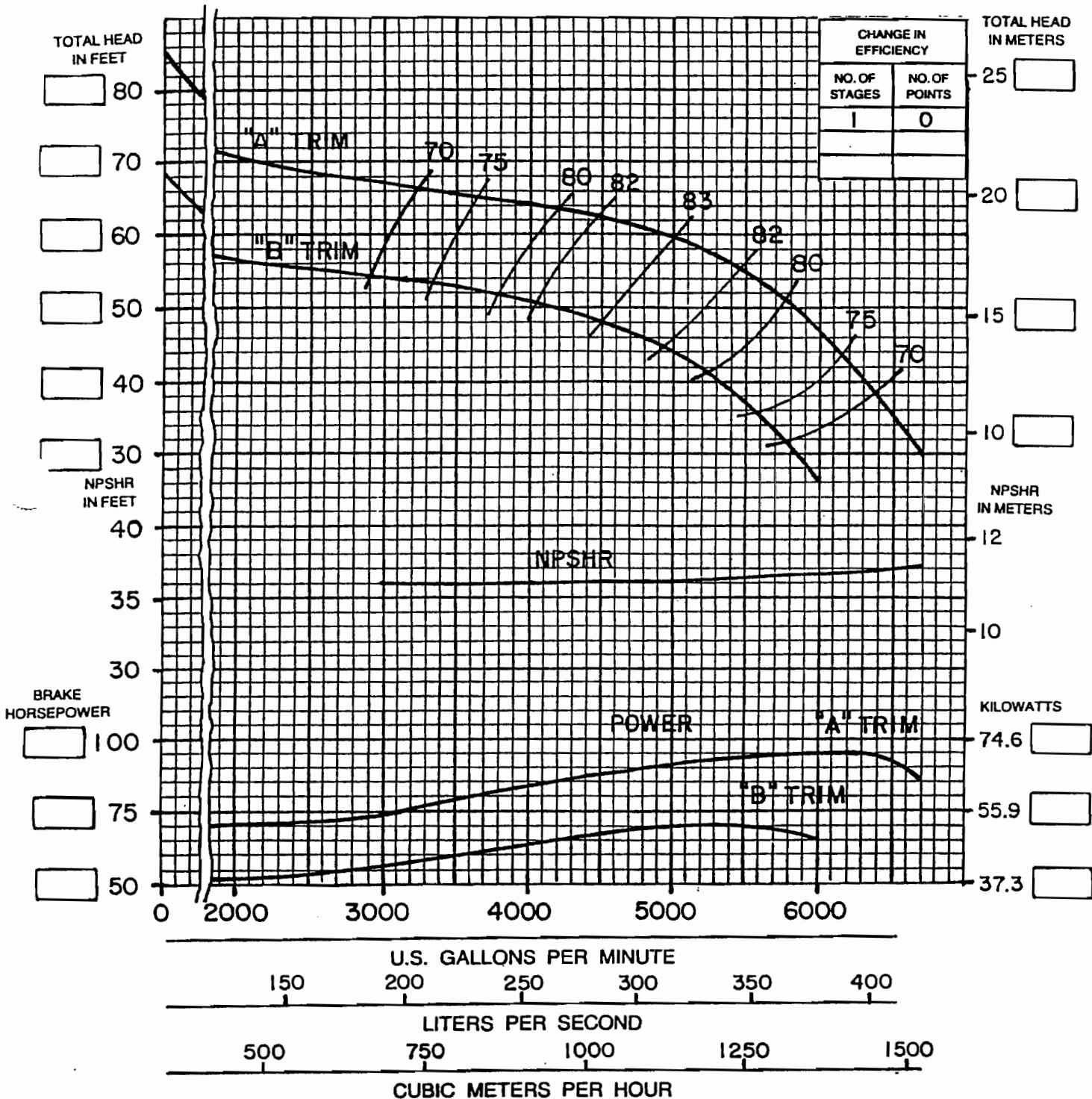
Section 6
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Curve No. 122401
Effective Oct., 1992
Supersedes March, 1991

1160 RPM
SINGLE STAGE PERFORMANCE

MODEL 24BCL
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. 424-3-3003 . TYPE ENCLOSED . DIAMETER: A 14.69 ", 373.1 mm
 B 13.25 ", 336.6 mm, C ", mm,
 EFFECTIVE EYE AREA 125.04 sq. inches, 80670.8 sq. mm. NUMBER OF VANES 6 .
 THRUST CONSTANT K 54.0 lbs. / ft. 73.2 N / m of head. WEIGHT 108 lbs., 50.0 Kg.
 WR² 45.24 lbs. / ft²., 220.8 Kg / m².
 EYE FLUID VELOCITY CK .003 ft. / sec. / GPM, .0008 m / sec. / LPS.
 PERIPHERAL VELOCITY 5.06 ft. / sec. / inch, 1.54 m / sec. / mm of impeller dia. Ns 1708.8

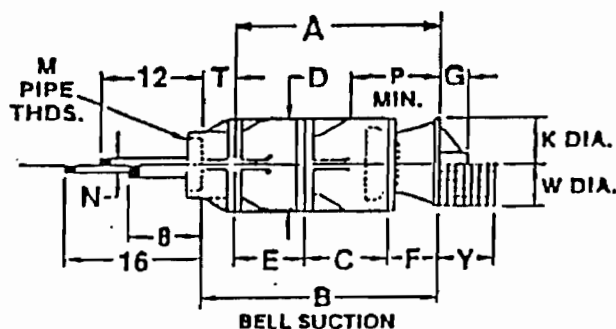
BOWL DATA

BOWL NO. 424-3-2000 . CONNECTION TYPE BOLTED . NOMINAL DIAMETER (E) 21.75 ", 552.5 mm.
 MINIMUM DIAMETER (E) 21.75 ", 552.5 mm.
 COLUMN PIPE SIZE 16 ", 400 mm, STANDARD, * ", * mm, MAXIMUM
 SUCTION PIPE SIZE N/A ", N/A mm, STANDARD, N/A ", N/A mm, MAXIMUM.
 PUMP SHAFT DIAMETER 2.19 ", 55.6 mm, STANDARD 2.44 ", 62.0 mm MAXIMUM.
 LATERAL 1.03 ", 26.2 mm, STANDARD, * ", * mm MAXIMUM.
 SHAFT BEARING CLEARANCE .010 ", .254 mm. IMPELLER SKIRT CLEARANCE .015 ", .381 mm
 MAXIMUM NUMBER OF STAGES 3 (std. construction).
 MAXIMUM HEAD 460 ft., 140.2 m (std. construction). MAXIMUM SPHERE SIZE 2.75 ", 69.9 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 1200 lbs., 544.3 Kgs. ADDITIONAL STAGE 1100 lbs., 499.0 Kgs.

A. One stage pump
less column adaptor

B. One stage pump
with column adaptor



STANDARD DIMENSIONS

	A	B	C	D	E	F	G	H	J	K	L	M	N	P	R	T	W	X	
IN.	30	30 ¹ / ₁₆	23 ¹ / ₄	21 ³ / ₄	19	11	7 ⁷ / ₈	N/A	N/A	24	N/A	16	23 ³ / ₁₆	15 ³ / ₈	N/A	1 ¹ / ₁₆	25 ¹ / ₄	N/A	12
MM	762.0	763.5	590.6	552.5	482.6	279.4	22.4	N/A	N/A	609.6	N/A	406.4	55.6	390.7	N/A	1.5	641.4	N/A	304.8