



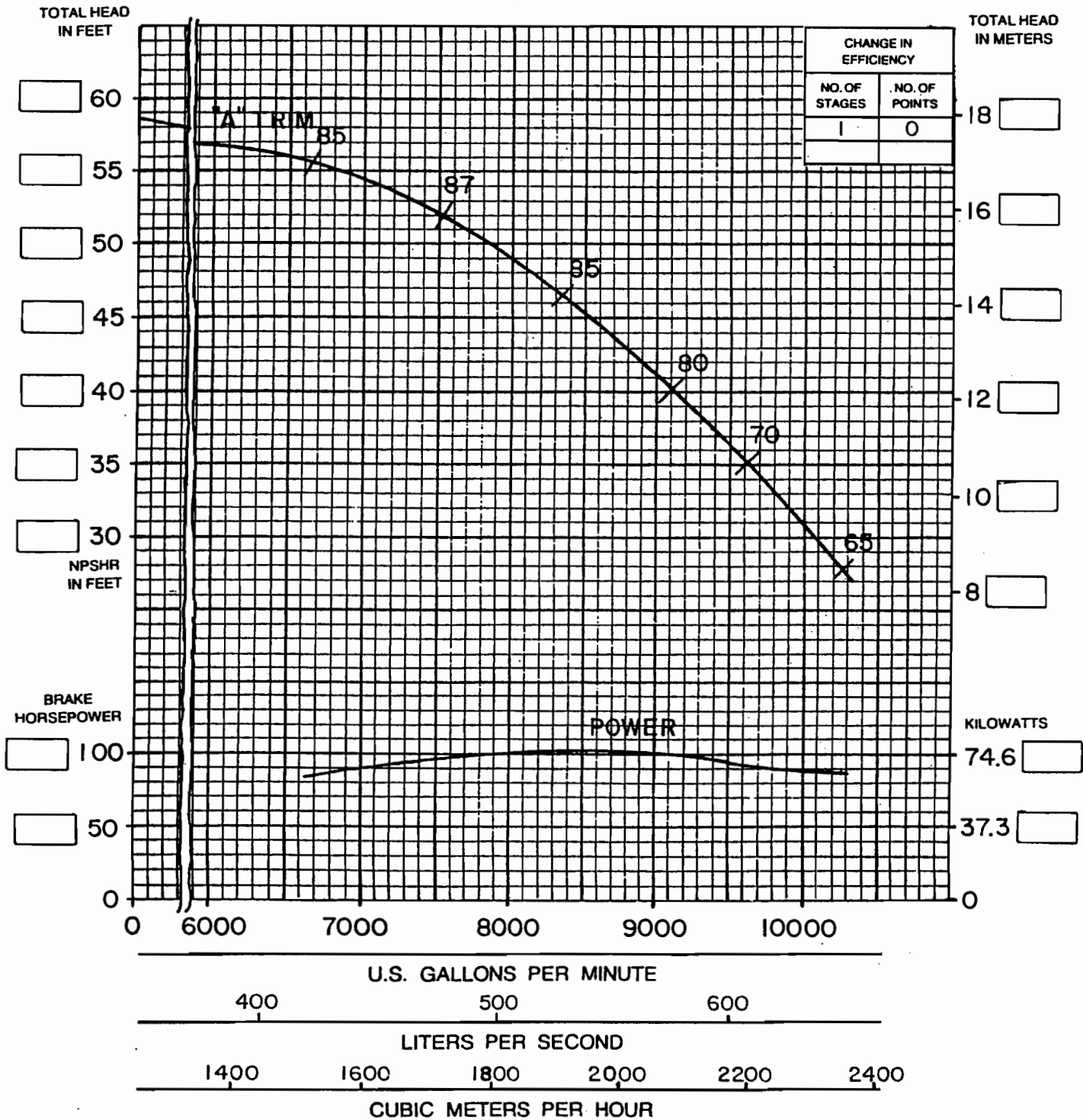
Section 7
Page 40
Curve No. 092440
Effective December 1991
Supersedes

870 RPM
SINGLE STAGE PERFORMANCE

MODEL 24BCHH
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.: _____

IMPELLER DATA

IMPELLER NO. 424-3-3001 . TYPE ENCLOSED . DIAMETER: A 18.88 ", 479.6 mm,
 B _____ ", _____ mm, C _____ ", _____ mm,
 EFFECTIVE EYE AREA 125.04 sq. inches, 806.76 sq. mm. NUMBER OF VANES 6 .
 THRUST CONSTANT K 54.25 lbs. / ft. 1378.0 N / m of head. WEIGHT 108 lbs., 48.99 Kg.
 WR^2 * lbs. / ft²., * Kg / m².
 EYE FLUID VELOCITY CK .307 ft. / sec. / GPM, .094 m / sec. / LPS.
 PERIPHERAL VELOCITY 3.80 ft. / sec. / inch, 1.15 m / sec. / mm of impeller dia. Ns 1925.6

BOWL DATA

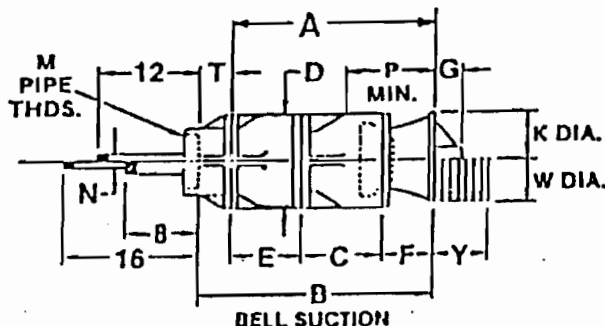
BOWL NO. 424-3-2000 . CONNECTION TYPE BOLTED . NOMINAL DIAMETER (E) 21.75 ", 552.5 mm.
 MINIMUM DIAMETER (E) 21.75 ", 552.5 mm.
 COLUMN PIPE SIZE 16 ", 406.4 mm, STANDARD, * ", * mm, MAXIMUM
 SUCTION PIPE SIZE N/A ", N/A mm, STANDARD, N/A ", N/A mm, MAXIMUM.
 PUMP SHAFT DIAMETER 2.19 ", 55.58 mm, STANDARD 2.44 ", 61.9 mm MAXIMUM.
 LATERAL 1.03 ", 26.2 mm, STANDARD, * ", * mm MAXIMUM.
 SHAFT BEARING CLEARANCE .010 ", 26.2 mm. IMPELLER SKIRT CLEARANCE .015 ", .381 mm.
 MAXIMUM NUMBER OF STAGES 8 (std. construction).
 MAXIMUM HEAD 460 ft., 140.2 m (std. construction). MAXIMUM SPHERE SIZE 2.75 ", 69.85 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 500 lbs., 226.8 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	Y
IN.	53 ¹ / ₄	53 ⁵ / ₁₆	23 ¹ / ₄	21 ³ / ₄	19	11	7 ⁷ / ₈	—	—	24	—	16	2 ³ / ₁₆	15 ³ / ₈	—	1 ¹ / ₁₆	25 ¹ / ₄	—	12
MM	1352.6	1354.1	599.6	552.5	482.6	279.4	222.3	—	—	609.6	—	406.4	55.63	390.7	—	1.6	641.4	—	304.8