



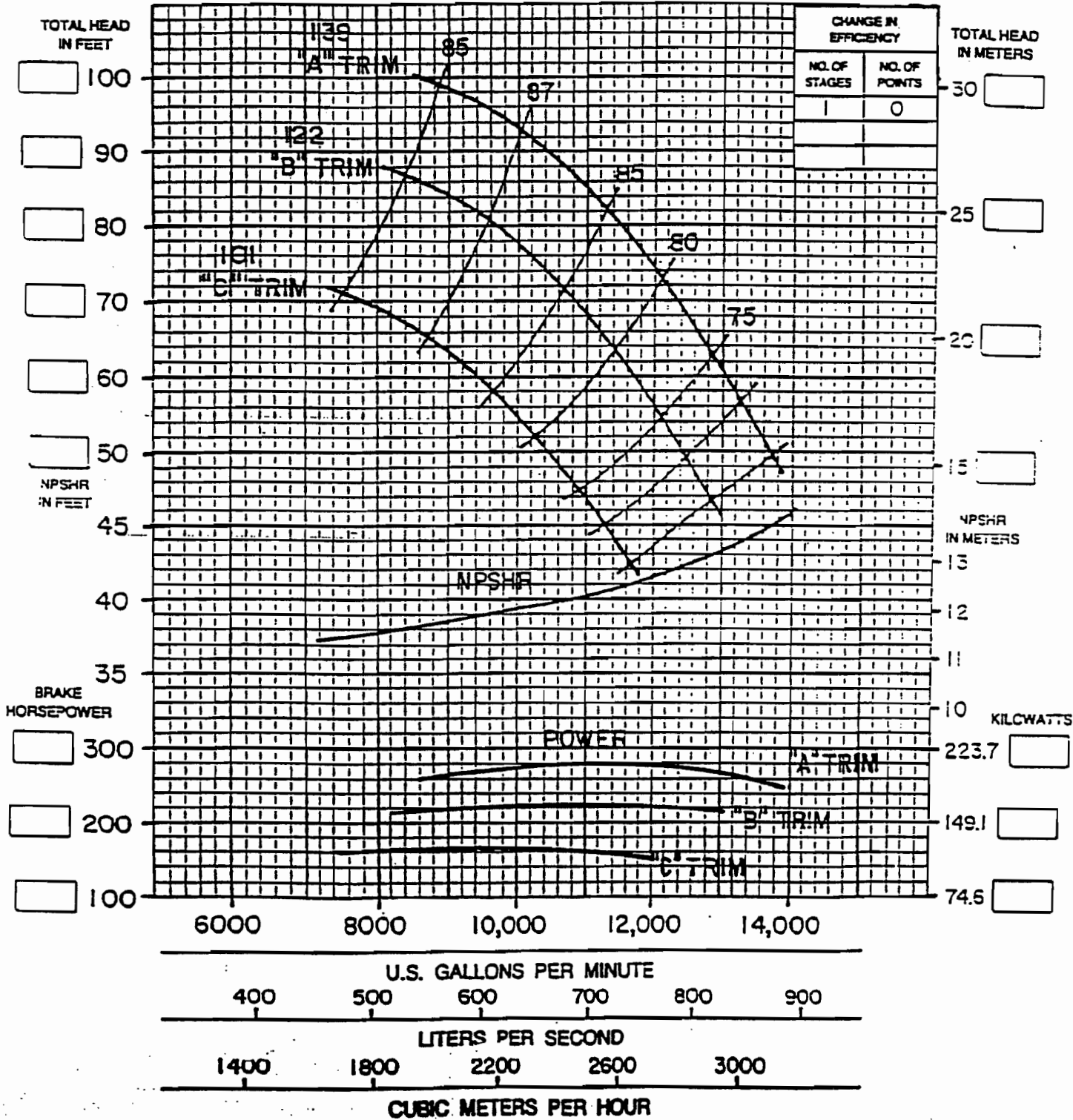
Section 6
Page 49
Curve No. 122404
Effective July, 1992
Supersedes March, 1991

1160 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.

IMPELLER DATA

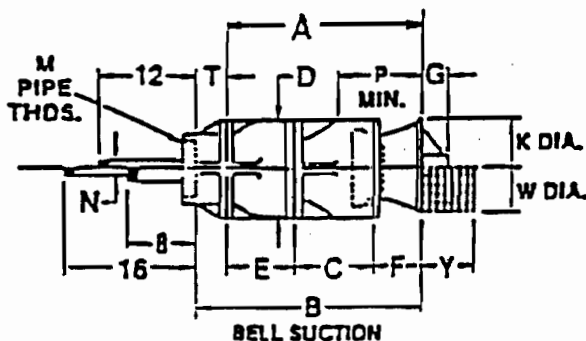
IMPELLER NO. 424-3-3001 . TYPE ENCLOSED . DIAMETER: A 18.88 " , 479.6 mm
 B 16.75 " , 425.5 mm, C 14.50 " , 368.3 mm,
 EFFECTIVE EYE AREA 125.04 sq. inches, 80670.8 sq. mm. NUMBER OF VANES 6 .
 THRUST CONSTANT K 54.0 lbs. / ft. 39.8 N / m of head. WEIGHT 108 lbs., 49.0 Kg.
 WR² 74.74 lbs. / ft²., 364.7 Kg / m².
 EYE FLUID VELOCITY CK .002 ft. / sec. / GPM, .0008 m / sec. / LPS.
 PERIPHERAL VELOCITY 5.06 ft. / sec. / inch, 1.54 m / sec. / mm of impeller dia. Ns 1674.2

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 " , 55.5 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 " , 69.3 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	224	N/A	N/A	609.6	N/A	406.4	55.6	390.7	N/A	1.5	641.4	N/A	304.8