



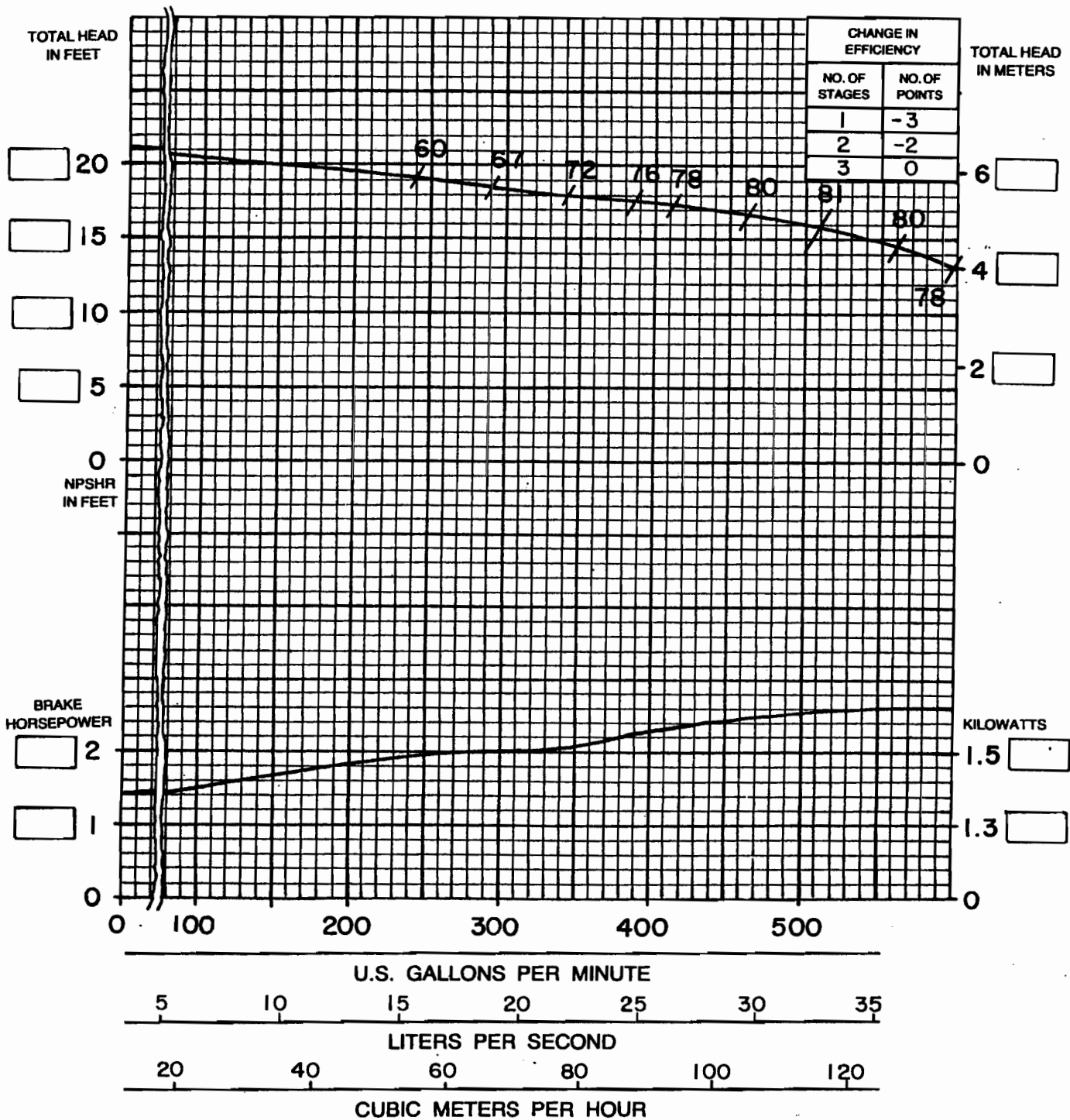
Section 7
Page 1
Curve No. 091201
Effective December 1991
Supersedes

870 RPM
SINGLE STAGE PERFORMANCE

MODEL 12HAH
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.

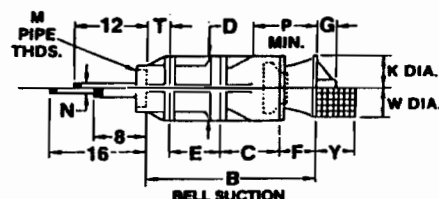
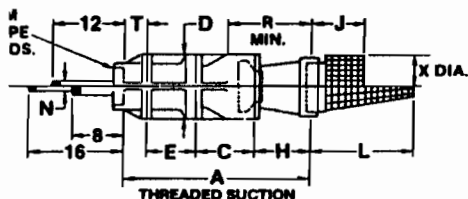
Customer: _____
Item No.: _____
Capacity: _____ TDH _____ Bowl HP _____ Bowl Efficiency _____

IMPELLER DATA

IMPELLER NO. 412-3-3021 . TYPE ENCLOSED . DIAMETER: A 9.50 ", 241.3 mm,
 " , mm, C " , mm,
 EFFECTIVE EYE AREA 21.16 sq. inches, 13649 sq. mm. NUMBER OF VANES 6 .
 THRUST CONSTANT K 9.98 lbs. / ft. 145.6 N / m of head. WEIGHT 18 lbs., 8.16 Kg.
 VR² 1.52 lbs. / ft², 7.42 Kg / m².
 EYE FLUID VELOCITY CK .012 ft. / sec. / GPM, .058 m / sec. / LPS.
 PERIPHERAL VELOCITY 3.80 ft. / sec. / inch, 1.15 m / sec. / mm of impeller dia. Ns 1647.8

BOWL DATA

BOWL NO. 412-3-0020 . CONNECTION TYPE BOLTED . NOMINAL DIAMETER (E) 11.62 ", 295.1 mm.
 MINIMUM DIAMETER (E) 11.56 ", 293.6 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 1.19 ", 42.8 mm, STANDARD 1.94 ", 49.3 mm MAXIMUM.
 MATERIAL 1.00 ", 25.4 mm, STANDARD, 1.00 ", 25.4 mm MAXIMUM.
 BEARING CLEARANCE .010 ", .254 mm. IMPELLER SKIRT CLEARANCE .015 ", .381 mm.
 MAXIMUM NUMBER OF STAGES 30 (std. construction).
 MAXIMUM HEAD 577 ft., 175.9 m (std. construction). MAXIMUM SPHERE SIZE 1.19 ", 30.2 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 360 lbs., 163.3 Kgs. ADDITIONAL STAGE 115 lbs., 52.2 Kgs.



STANDARD DIMENSIONS

	A	B	C	D	E	F	G	H	J	K	L	M	N	P	R	T	W	X	Y
IN.	23 ¹¹ / ₁₆	22 ¹ / ₈	10 ¹ / ₂	11 ⁵ / ₈	4 ³ / ₁₆	7	2 ¹ / ₄	7 ⁹ / ₁₆	11	12	31 ³ / ₈	8	1 ¹¹ / ₁₆	17 ⁵ / ₈	19	4 ⁹ / ₁₆	12 ¹ / ₄	18	9
MM.	601.7	561.9	266.7	295.2	106.4	177.8	57.2	192.0	279.4	304.8	797.1	203.2	42.9	447.6	482.6	115.8	311.2	457.2	228.6