

870 RPM

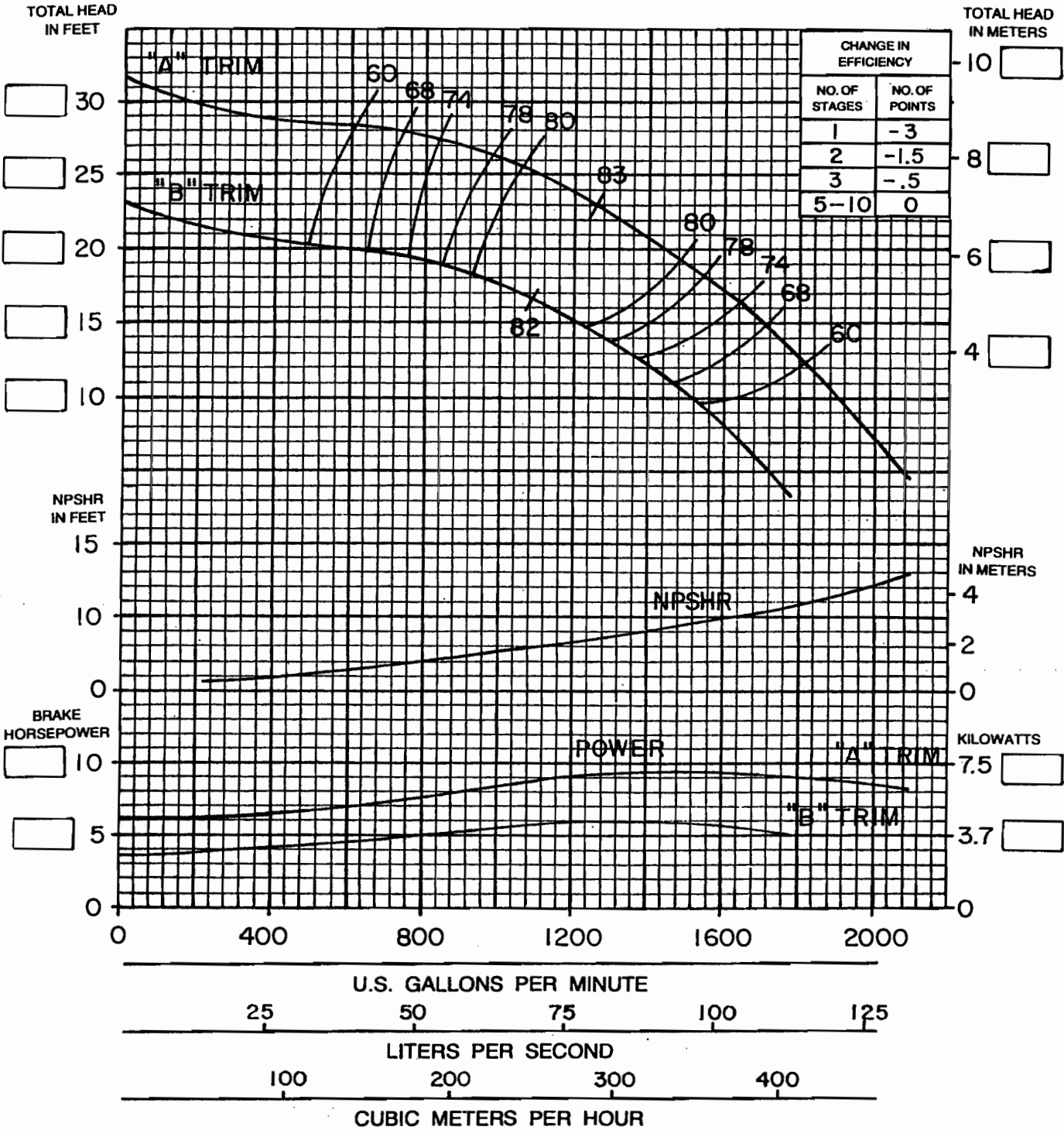
SINGLE STAGE PERFORMANCE

MODEL 15BCH

STANDARD CONSTRUCTION

STAGES REQUIRED

See reverse side for detailed information.



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

Customer:

Item No.:

Capacity:

TDH

Bowl HP

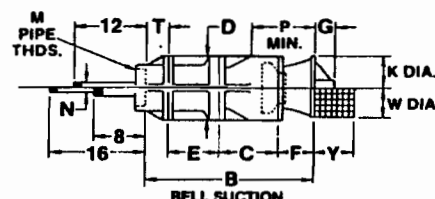
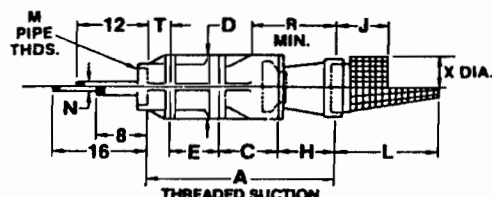
Bowl Efficiency

IMPELLER DATA

IMPELLER NO. 415-3-3011 . TYPE ENCLOSED . DIAMETER: A 11.50 ", 292.1 mm,
 B 10.38 ", 263.5 mm, C _____", _____ mm,
 EFFECTIVE EYE AREA 35.60 sq. inches, 22968 sq. mm. NUMBER OF VANES 6 .
 THRUST CONSTANT K 19.6 lbs. / ft. 286.16 N / m of head. WEIGHT 36 lbs., 16.36 Kg.
 WR^2 4.86 lbs. / ft²., 23.73 Kg / m².
 EYE FLUID VELOCITY CK .009 ft. / sec. / GPM, .043 m / sec. / LPS.
 PERIPHERAL VELOCITY 3.80 ft. / sec. / inch, 1.15 m / sec. / mm of impeller dia. Ns 1750.7

BOWL DATA

BOWL NO. 415-3-2001 . CONNECTION TYPE BOLTED . NOMINAL DIAMETER (E) 14.38 ", 365.12 mm.
 MINIMUM DIAMETER (E) 14.38 ", 365.12 mm.
 COLUMN PIPE SIZE 10 ", 254.0 mm, STANDARD, 12 ", 304.8 mm, MAXIMUM
 SUCTION PIPE SIZE 10 ", 254.0 mm, STANDARD, 12 ", 304.8 mm, MAXIMUM.
 PUMP SHAFT DIAMETER 1.94 ", 49.2 mm, STANDARD * ", * mm MAXIMUM.
 LATERAL 1.12 ", 28.6 mm, STANDARD, * ", * mm MAXIMUM.
 SHAFT BEARING CLEARANCE .010 ", .254 mm. IMPELLER SKIRT CLEARANCE .015 ", .381 mm.
 MAXIMUM NUMBER OF STAGES 10 (std. construction).
 MAXIMUM HEAD 646 ft., 196.9 m (std. construction). MAXIMUM SPHERE SIZE 1.62 ", 40.5 mm.
 PROJECTIONS ABOVE COLUMN PIPE BUTT: **TUBE** 8",203.2 mm; **SHAFT** 16",406.4 mm. FOR ENCLOSED
 LINESHAFT. 12",304.8mm. FOR OPEN LINESHAFT.
 * REFER TO FACTORY.
 WEIGHT: SINGLE STAGE 613 lbs., 278.3 Kgs. ADDITIONAL STAGE 189 lbs., 85.8 Kgs.



STANDARD DIMENSIONS

	A	B	C	D	E	F	G	H	J	K	L	M	N	P	R	T	W	X	Y
IN.	30 ³ / ₄	30 ⁷ / ₈	14 ¹ / ₄	14 ³ / ₈	5 ³ / ₈	7 ⁵ / ₈	4 ³ / ₄	7 ¹ / ₂	10	14 ¹ / ₈	31 ³ / ₈	10	11 ⁵ / ₁₆	*	*	3 ⁵ / ₈	14 ⁵ / ₈	18	10
MM.	781.1	784.4	362.0	365.3	136.7	193.6	120.7	190.5	254.0	358.7	797.1	254.0	49.4			92.0	371.4	457.2	254.0