

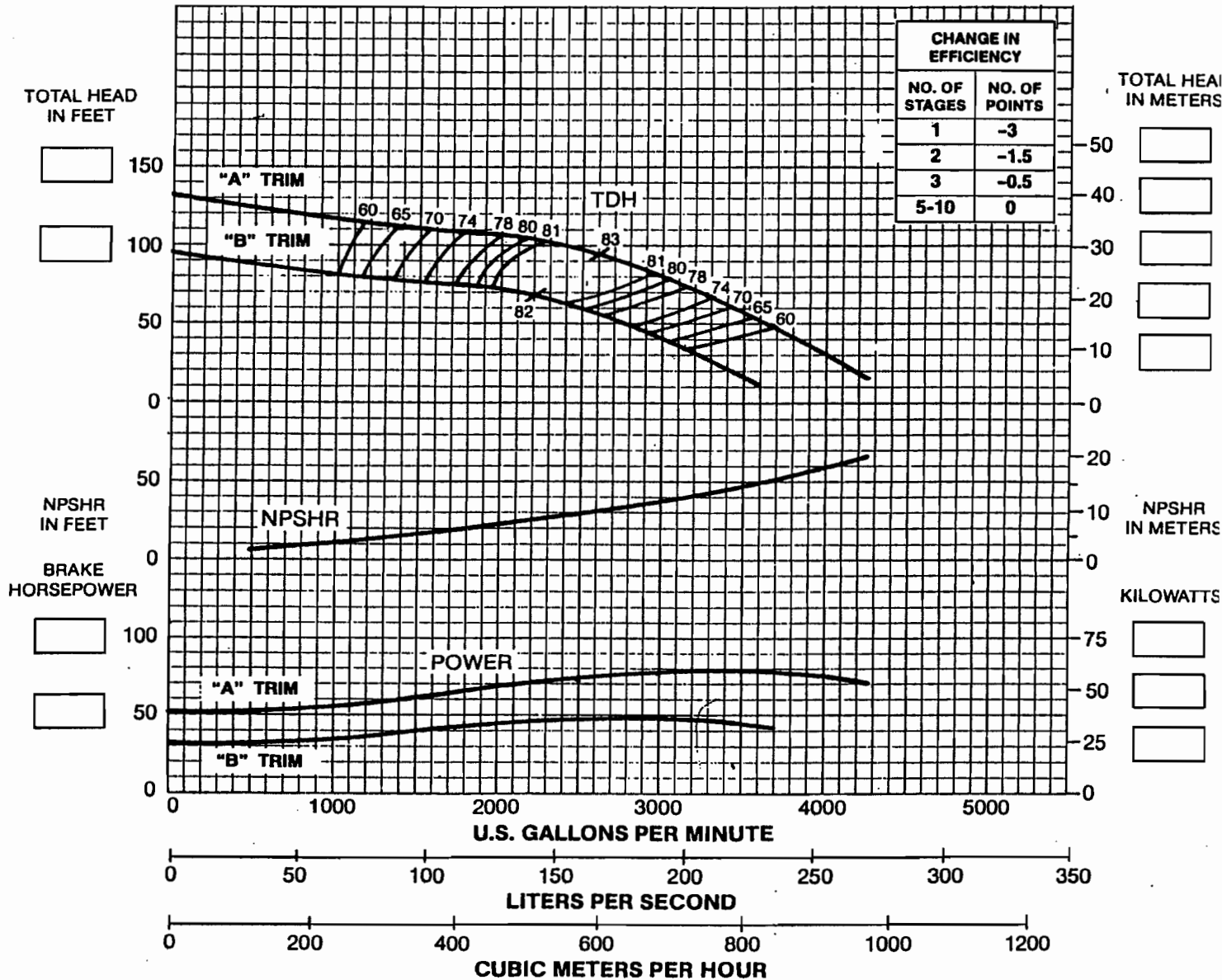


Section 5
Page 41
Curve No. 181503
Effective August 1991
Supersedes July 1983

1770 RPM
SINGLE STAGE PERFORMANCE

STAGES REQUIRED

STANDARD CONSTRUCTION
See reverse side for detailed information.
MODEL 15BCH
ENCLOSED IMPELLER



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 _____

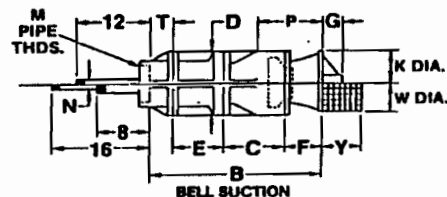
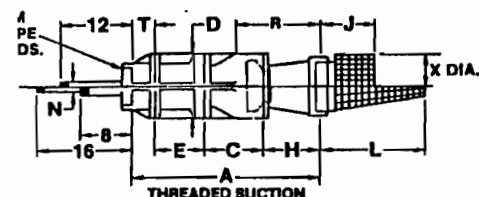
IMPELLER DATA

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.
 WR² 4.86 lbs. / ft²., 23.73 Kg / m².
 EYE FLUID VELOCITY CK .009 ft. / sec. / GPM, .043 m / sec. / LPS.
 PERIPHERAL VELOCITY 7.72 ft. / sec. / inch, .093 m / sec. / mm of Impeller dia. Ns 2970

BOWL DATA

BOWL NO. 415-3-2001. CONNECTION TYPE FLANGED . NOMINAL DIAMETER (E) 14.375 ", 365.12 mm.
 MINIMUM DIAMETER (E) 14.375 ", 365.12 mm.
 COLUMN PIPE SIZE 10 ", 254 mm, STANDARD, 12 ", 304.8 mm, MAXIMUM
 SUCTION PIPE SIZE 10 ", 254 mm, STANDARD, 12 ", 304.8 mm, MAXIMUM.
 PUMP SHAFT DIAMETER 1.94 ", 49.2 mm, STANDARD * ", * mm MAXIMUM.
 LATERAL 1.125 ", 28.6 mm, STANDARD, * ", * mm MAXIMUM.
 IMPELLER T BEARING CLEARANCE 0.10 ", .254 mm. IMPELLER SKIRT CLEARANCE 0.015 ", .381 mm.
 MAXIMUM NUMBER OF STAGES (std. construction).
 MAXIMUM HEAD 646 ft., 196.9 m (std. construction). MAXIMUM SPHERE SIZE 1.6 ", 40.48 mm.
 PROJECTIONS ABOVE COLUMN PIPE BUTT: **TUBE** 8", 203.2 mm; **SHAFT** 16", 406.4 mm. FOR ENCLOSED
 LINESHAFT. 12", 254 mm. FOR OPEN LINESHAFT.

WEIGHT: SINGLE STAGE 613 lbs., 278.3 Kgs. ADDITIONAL STAGE 189 lbs., 85.8 Kgs.
 * REFER TO FACTORY



STANDARD DIMENSIONS

	A	B	C	D	E	F	G	H	J	K	L	M	N	P	R	T	W	X	Y
IN.	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	15 1/16	7 23/32	9 5/8	3 5/8	14 5/8	18	10
MM.	781.1	784.4	362.0	365.3	136.7	193.5	120.7	190.5	254.0	358.6	797.1	254.0	49.3	195.8	244.3	91.9	371.3	457.2	254.0