



Section 5
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Curve No. 181501
Effective July 1991
Supersedes June 1983

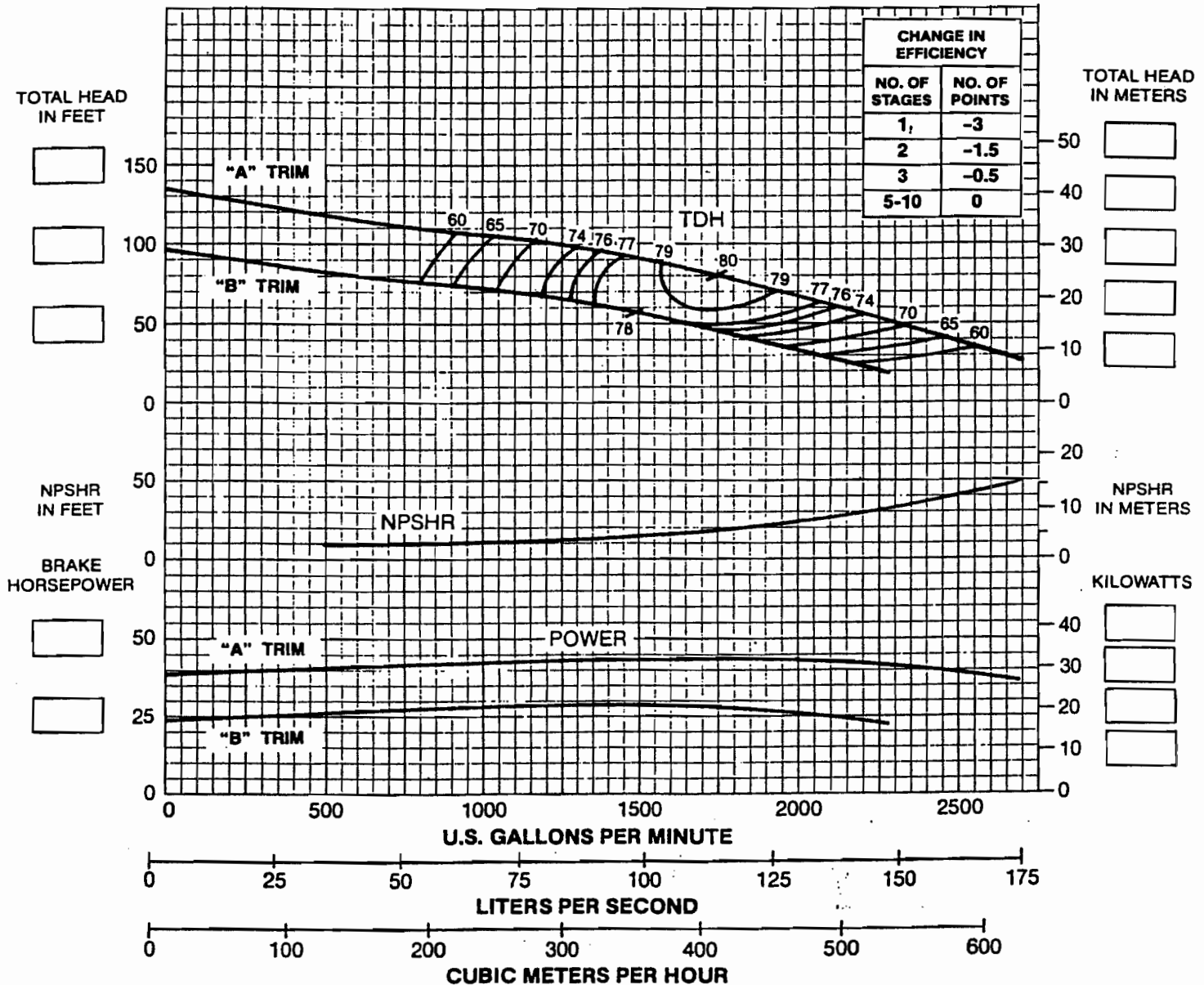
1770 RPM
SINGLE STAGE PERFORMANCE

STAGES REQUIRED

STANDARD CONSTRUCTION

See reverse side for detailed information.

MODEL 15BCL
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. 415-3-2001 . TYPE ENCLOSED . DIAMETER: A 11.50", 292.1 mm,
5.38", 263.5 mm,

EFFECTIVE EYE AREA 35.6 sq. inches, 22968 sq. mm. NUMBER OF VANES 4 .

FRUST CONSTANT K 19.6 lbs./ft. 286.16 N/m of head. WEIGHT 30.3 lbs., 13.77 Kg.
/R² 4.15 lbs./ft², 20.26 Kg/m².

EYE FLUID VELOCITY CK .009 ft./sec./GPM, .043 m/sec./LPS.

PERIPHERAL VELOCITY 7.73 ft./sec./inch, .093 m/sec./mm of impeller dia. Ns 2760

BOWL DATA

BOWL NO. 415-3-2001. CONNECTION TYPE FLANGED . NOMINAL DIAMETER (E) 14.375", 365.1 mm.

MINIMUM DIAMETER (E) 14.375 ", 365.1 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.

IMP SHAFT DIAMETER 1.94 ", 49.2 mm, STANDARD * ", * mm MAXIMUM.

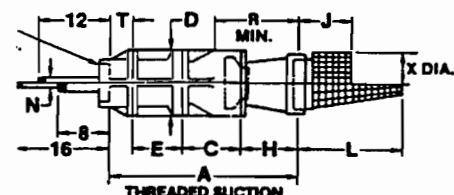
WATERAL 1.125 ", 28.6 mm, STANDARD, * ", * mm MAXIMUM.

SHAFT BEARING CLEARANCE 0.10 ", 0.254 mm. IMPELLER SKIRT CLEARANCE 0.015 ", 0.381 mm.

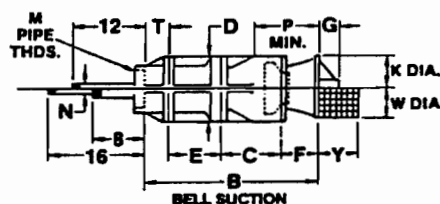
MAXIMUM NUMBER OF STAGES 5 (std. construction).

MAXIMUM HEAD 646 ft., 196.9 m (std. construction). MAXIMUM SPHERE SIZE 1.60 ", 40.48 mm.

PROJECTIONS ABOVE COLUMN PIPE BUTT: **TUBE** 8", 203.2mm; **SHAFT** 16", 406.4mm. FOR ENCLOSED
NESHAF. 12", 304.8 mm. FOR OPEN LINESHAFT.



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	1 ¹⁵ / ₁₆	7 ²³ / ₃₂	9 ⁵ / ₈	3 ⁵ / ₈	14 ⁵ / ₈	18	10
MM.	781.0	784.2	361.9	365.1	136.5	193.7	120.7	190.5	254.0	358.7	396.9	254.0	49.2	195.8	243.8	91.9	371.5	457.2	254.0

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