



Section 6
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Curve No. 121502
Effective January 1984
Supersedes

1160 RPM
SINGLE STAGE PERFORMANCE

☐ STAGES REQUIRED

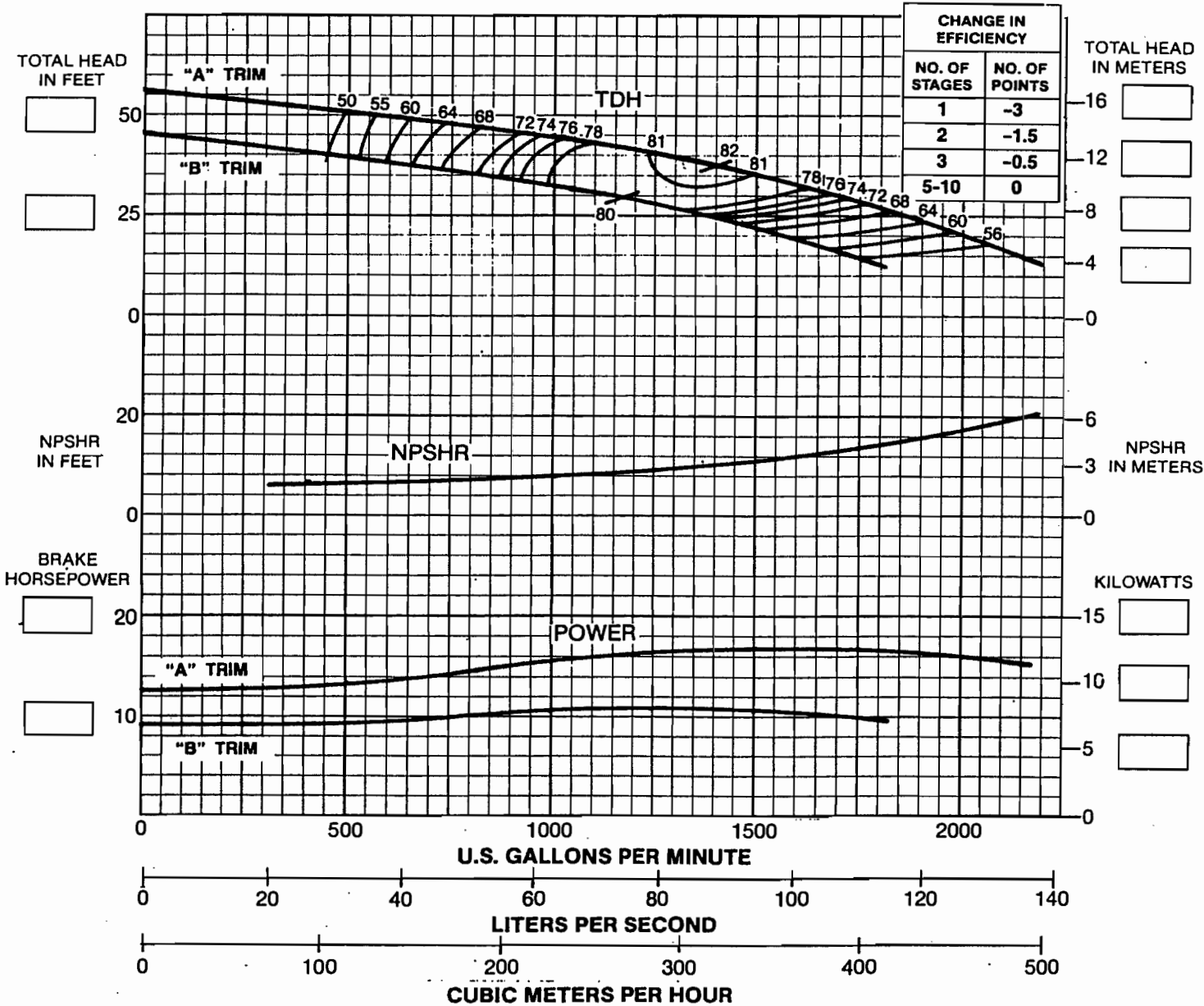
STANDARD CONSTRUCTION

See reverse side for detailed information.

MODEL 15BCM

ENCLOSED IMPELLER

STANDARD CONSTRUCTION



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

415-3-3006

IMPELLER NO. 415-3-0004 . TYPE Enclosed . DIAMETER: A 11.50 ", 292.1 mm,
10.38 ", 263.5 mm, C ", mm,
 EFFECTIVE EYE AREA 35.60 sq. inches, 22968 sq. mm. NUMBER OF VANES 5 .
 THRUST CONSTANT K 19.6 lbs. / ft. 286.16 N / m of head. WEIGHT 34.5 lbs., 15.68 Kg.
 NR² 4.68 lbs. / ft²., 22.85 Kg / m².
 EYE FLUID VELOCITY CK .009 ft. / sec. / GPM, .043 m / sec. / LPS.
 PERIPHERAL VELOCITY 5.07 ft. / sec. / inch, .061 m / sec. / mm of impeller dia. Ns 2881

BOWL DATA

415-3-2001

BOWL NO. 415-3-0002 . CONNECTION TYPE Bolted . NOMINAL DIAMETER (E) 14³/₈ ", 365.12 mm.
 MINIMUM DIAMETER (E) ★ ", ★ 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 1⁵/₁₆ ", 49.2 mm, STANDARD 2³/₁₆ ", 55.6 mm MAXIMUM.
 LATERAL 1¹/₈ ", 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 1¹/₂ ", 38.1 mm.
 PROJECTIONS ABOVE COLUMN PIPE BUTT: **TUBE** 8", 203.20 mm; **SHAFT** 16", 406.4 mm FOR
 ENCLOSED LINE SHAFT. 12", 304.8 mm. FOR OPEN LINESHAFT.

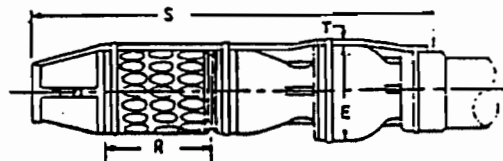
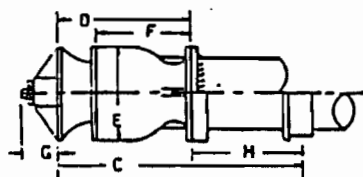
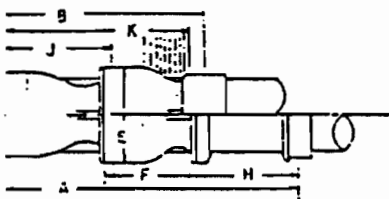
DIMENSIONS

- A. Length one stage assembly with discharge case.
 B. Length one stage assembly less discharge case.
 C. Length one stage assembly with discharge case and bell.
 D. Length one stage assembly less discharge case with bell.
 E. Bowl Diameter.
 F. Length of additional stage.
 G. Hub projection on bell suction.

- H. Length of discharge case.
 J. Length of impeller eye above bottom of bowl.
 K. Minimum required submergence.
 R. Length submersible suction inlet.
 S. Length one stage submersible assembly.
 T. Height of cable guard.

WEIGHT: SINGLE STAGE 618 lbs., 280.6 Kgs. ADDITIONAL STAGE 194 lbs., 88.07 Kgs.

DIMENSION	A	B	C	D	E	F	G	H	J	K	R	S	T
INCHES	30 ³ / ₄	21 ¹ / ₄	30 ³ / ₄	21 ¹ / ₄	14 ³ / ₈	14 ¹ / ₄	4 ³ / ₄	9	7 ¹ / ₂	21 ³ / ₈	★	★	★
MM	781.0	552.4	784.2	555.6	365.12	361.9	120.65	228.6	190.5	542.9			



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