



**1160 RPM  
SINGLE STAGE PERFORMANCE**

☐ STAGES REQUIRED

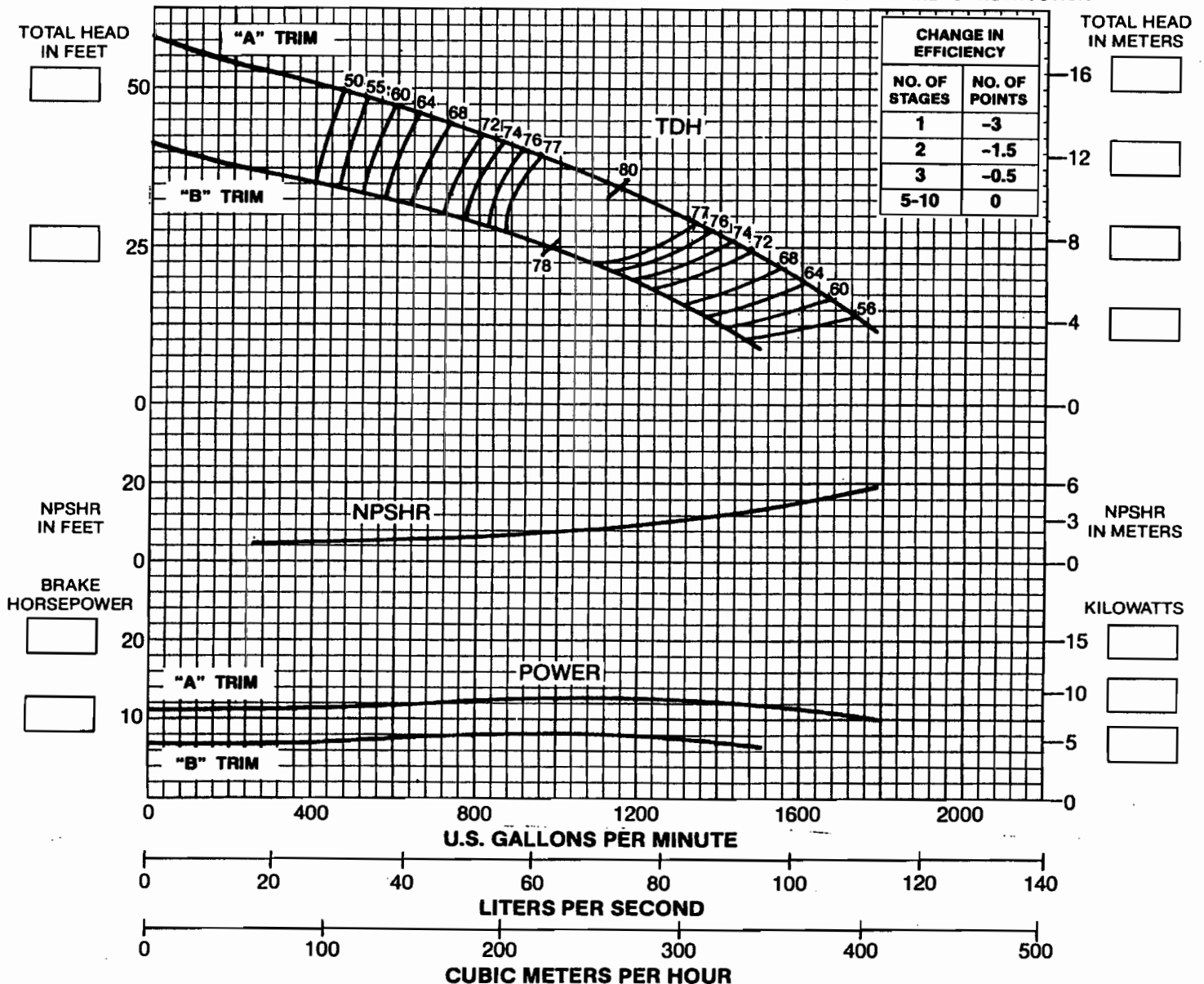
**STANDARD CONSTRUCTION**

See reverse side for detailed information.

**MODEL 15BCL**

**ENCLOSED IMPELLER**

**STANDARD CONSTRUCTION**



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

Customer: \_\_\_\_\_

Item No.: \_\_\_\_\_

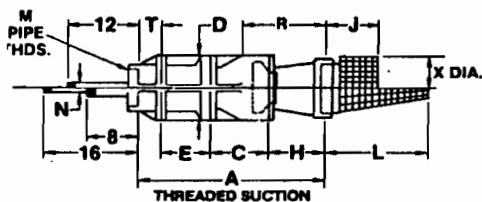
Capacity: \_\_\_\_\_ TDH \_\_\_\_\_ Bowl HP \_\_\_\_\_ Bowl Efficiency \_\_\_\_\_

## IMPELLER DATA

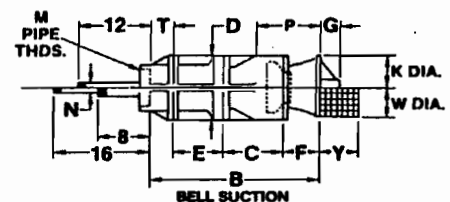
IMPELLER NO. 415-3-3001 . TYPE ENCLOSED . DIAMETER: A 11.5 ", 292.1 mm,  
10.38 ", 263.5 mm,  
 EFFECTIVE EYE AREA 35.6 sq. inches, 22968 sq. mm. NUMBER OF VANES 4 .  
 THRUST CONSTANT K 19.6 lbs. / ft. 286.16 N / m of head. WEIGHT 30.3 lbs., 13.77 Kg.  
 WR<sup>2</sup> 4.15 lbs. / ft<sup>2</sup>., 20.26 Kg / m<sup>2</sup>.  
 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 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 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.  
 SHAFT BEARING CLEARANCE 0.10 ", 0.254 mm. IMPELLER SKIRT CLEARANCE 0.015 ", 0.381 mm.  
 MAXIMUM NUMBER OF STAGES 10 (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 ", 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 <sup>3</sup> / <sub>4</sub> | 30 <sup>7</sup> / <sub>8</sub> | 14 <sup>1</sup> / <sub>4</sub> | 14 <sup>3</sup> / <sub>8</sub> | 5 <sup>3</sup> / <sub>8</sub> | 7 <sup>5</sup> / <sub>8</sub> | 4 <sup>3</sup> / <sub>4</sub> | 7 <sup>1</sup> / <sub>2</sub> | 10    | 14 <sup>1</sup> / <sub>8</sub> | 31 <sup>3</sup> / <sub>8</sub> | 10    | 1 <sup>15</sup> / <sub>16</sub> | 7 <sup>23</sup> / <sub>32</sub> | 9 <sup>5</sup> / <sub>8</sub> | 3 <sup>5</sup> / <sub>8</sub> | 14 <sup>5</sup> / <sub>8</sub> | 18    | 10    |
| MM. | 781.0                          | 784.2                          | 361.9                          | 365.1                          | 136.5                         | 193.7                         | 120.7                         | 190.5                         | 254.0 | 358.7                          | 796.9                          | 254.0 | 49.2                            | 195.8                           | 244.4                         | 92.1                          | 371.5                          | 457.2 | 254.0 |

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