

# FI Series Pump | Submittal Data

Submittal No: 301-1434 | Model: 1511 | RPM: 1760 - 60 Hz | Effective: January 27, 2020 | Supersedes: May 31, 2017

JOB: \_\_\_\_\_

REPRESENTATIVE: \_\_\_\_\_

ENGINEER: \_\_\_\_\_

CONTRACTOR: \_\_\_\_\_

## PRODUCT DATA

ITEM NO. \_\_\_\_\_ MODEL NO. 1511

IMPELLER DIAMETER \_\_\_\_\_ HORSEPOWER \_\_\_\_\_

GPM \_\_\_\_\_ VOLTAGE \_\_\_\_\_

HEAD/FT \_\_\_\_\_ RPM 1760

WEIGHT \_\_\_\_\_ PUMP/MOTOR \_\_\_\_\_

| Configuration | DOE Basic Model Number | PEI Value        |      | Energy Rating |
|---------------|------------------------|------------------|------|---------------|
| Bare Pump     | FI1511B-4P-BP          | PEI <sub>d</sub> | 0.95 | 5             |
| Pump + Motor  | FI1511B-4P-PM          | PEI <sub>d</sub> | 0.95 | 5             |

## DIMENSIONS

Model No. | 1511

Flange Size (Suction x Discharge) | 2 ½ x 1 ½ (64 x 38)

| HORSEPOWER |                                   | 3                           | 5           | 7.5         | 10   | 15                        |
|------------|-----------------------------------|-----------------------------|-------------|-------------|------|---------------------------|
| ODP        | MOTOR FRAME                       | 182T                        | 184T        | 213T        | 215T | 254T                      |
|            | G MAX                             | 15.13 (384)                 | 16.63 (422) | 19.08 (484) |      | 22.57 (573)               |
|            | MAXIMUM ASSEMBLY WEIGHT LBS. (KG) | 470 (213)                   |             | 560 (254)   |      | 611 (277)                 |
| TEFC       | MOTOR FRAME                       | 182T                        | 184T        | 213T        | 215T | 254T                      |
|            | G MAX                             | 18.19 (462)                 |             | 20.65 (524) |      | 23.41 (594)               |
|            | MAXIMUM ASSEMBLY WEIGHT LBS. (KG) | 470 (213)                   |             | 560 (254)   |      | 611 (277)                 |
| A          |                                   | ANSI Class 125: 4.56 (116)  |             |             |      |                           |
|            |                                   | ANSI Class 250: 4.88 (124)  |             |             |      |                           |
| B          |                                   | ANSI Class 125: 9.50 (241)  |             |             |      |                           |
|            |                                   | ANSI Class 250: 9.75 (248)  |             |             |      |                           |
| C          |                                   | 19.17 (487)                 |             |             |      |                           |
| D          |                                   | 43.0 (1092)                 |             |             |      | 49.0 (1245)               |
| E          |                                   | ANSI Class 125: 1.30 (33)   |             |             |      | ANSI Class 125: 1.23 (31) |
|            |                                   | ANSI Class 250: 1.05 (27)   |             |             |      | ANSI Class 250: 0.92 (23) |
| F          |                                   | 12.18 (309)                 |             |             |      |                           |
| J          |                                   | ANSI Class 125: 23.03 (585) |             |             |      |                           |
|            |                                   | ANSI Class 250: 23.34       |             |             |      |                           |
| K          |                                   | 17.67 (449)                 |             |             |      |                           |
| N          |                                   | 2.00 (51)                   |             |             |      |                           |
| P          |                                   | 39.0 (991)                  |             |             |      | 45.0 (1143)               |

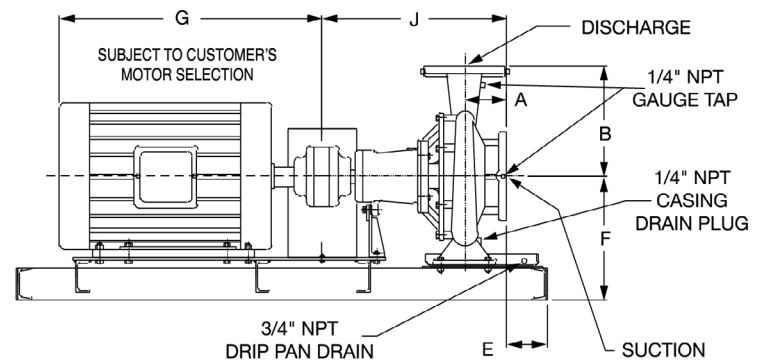
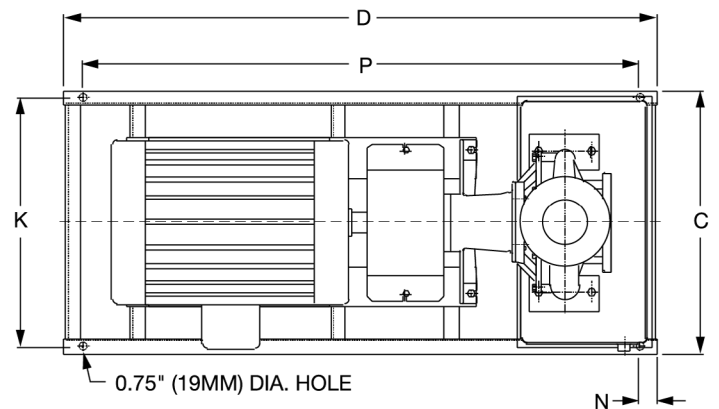
## OPERATING SPECIFICATIONS

| FLANGE         | PRESSURE              | TEMPERATURE   |
|----------------|-----------------------|---------------|
| ANSI Class 125 | 175 PSIG* (1210 KPA)  | 250°F (120°C) |
| ANSI Class 250 | 300 PSIG** (2070 KPA) | 250°F (120°C) |

Motors: All NEMA Standard (T Frame)

\* In accordance with ANSI Standard B16.1 Class 125

\*\* In accordance with ANSI Standard B16.1 Class 250



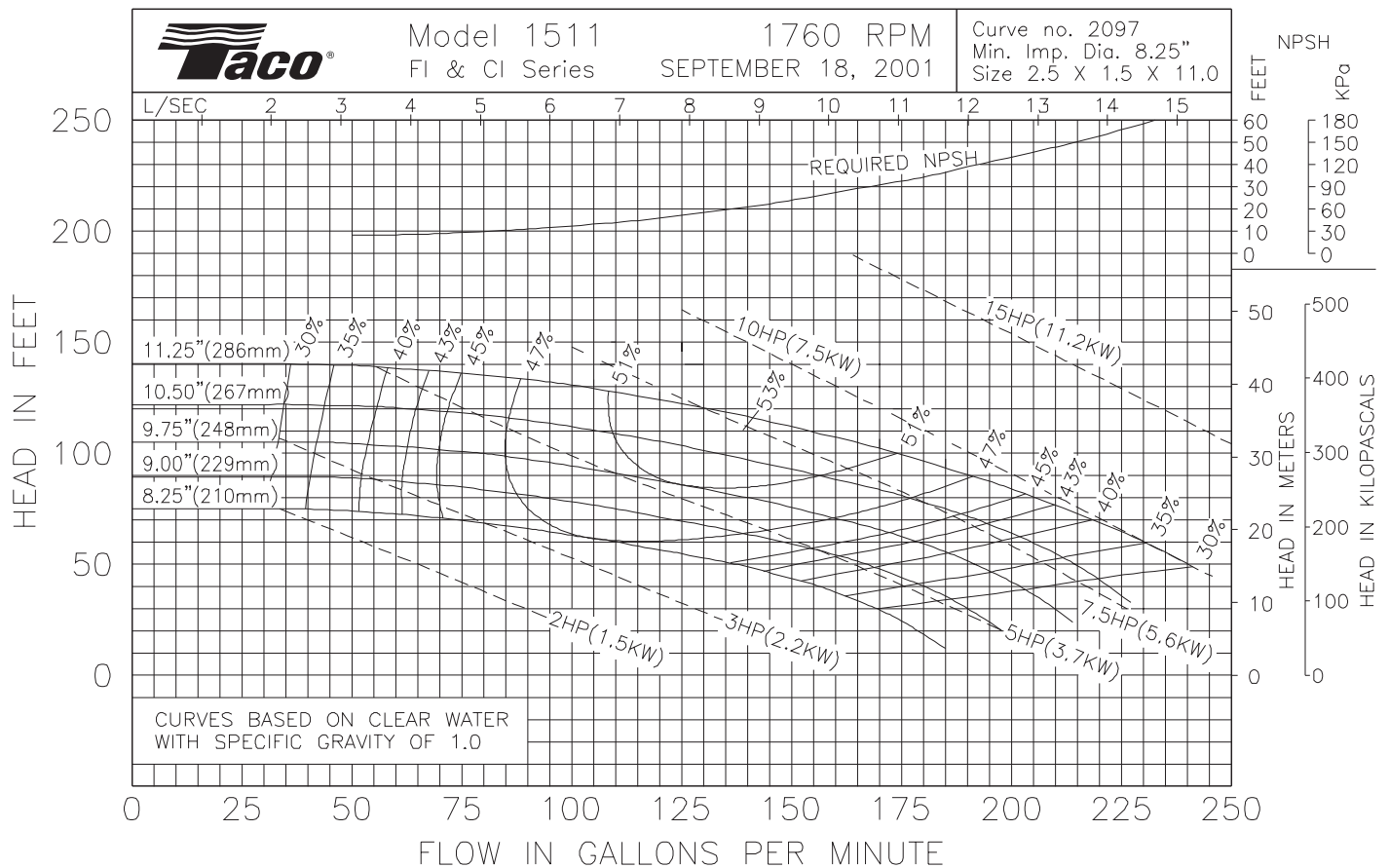
English dimensions are in inches. Metric dimensions are in millimeters.  
Metric data is presented in ( ). Do not use for construction purposes unless certified.

## MATERIALS OF CONSTRUCTION

|                          | BRONZE FITTED                                            |                                                          |                                                       |
|--------------------------|----------------------------------------------------------|----------------------------------------------------------|-------------------------------------------------------|
|                          | STANDARD PUMP CONSTRUCTION                               |                                                          | OPTIONAL<br>125# or 250#                              |
|                          | 125# Flange                                              | 250# Flange                                              |                                                       |
| Casing                   | Cast Iron<br>ASTM A48/A48M-03<br>Class 30A               | Ductile Iron<br>ASTM A536-84<br>Grade 65-45-12           | N/A                                                   |
| Cover                    | Cast Iron<br>ASTM A48/A48M-03<br>Class 30A               | Ductile Iron<br>ASTM A536-84<br>Grade 65-45-12           | N/A                                                   |
| Impeller                 | Bronze<br>ASTM B584 ALLOY<br>C83600 or C84400            | Bronze<br>ASTM B584 ALLOY<br>C83600 or C84400            | N/A                                                   |
| Wear Ring                | N/A                                                      | N/A                                                      | Bronze<br>ASTM B584-98A<br>C92200                     |
| Shaft                    | Stainless Steel<br>TYPE 416"™"<br>or 410"™"<br>ASTM A582 | Stainless Steel<br>TYPE 416"™"<br>or 410"™"<br>ASTM A582 | N/A                                                   |
| Shaft Sleeve             | Bronze<br>ASTM B584-98A<br>C92200                        | Bronze<br>ASTM B584-98A<br>C92200                        | Stainless Steel<br>TYPE 303<br>ASTM A276              |
| Mechanical Seal          | Ceramic/EPT                                              | Ceramic/EPT                                              | Tungsten<br>Carbide/EPT<br>or Silicon-<br>Carbide/EPT |
| Seal Flush Line Assembly | N/A                                                      | N/A                                                      | Copper & Brass<br>C3600                               |

N/A - Not Available

Revised: 05/31/2017



## COMMENTS