

# FI Series Pump | Submittal Data

Submittal No: 301-2432D | Model: 3009D | RPM: 1760 - 60 Hz | Effective: January 27, 2020 | Supersedes: December 31, 2018

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

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

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

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

## PRODUCT DATA

ITEM NO. \_\_\_\_\_ MODEL NO. 3009D

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

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

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

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

NSF 61 CERTIFIED YES NO

## DIMENSIONS

Model No. | 3009D  
Flange Size (Suction x Discharge) | 4 x 3 (102 x 76)

| HORSEPOWER |                                   | 5                           | 7.5         | 10          | 15                        |
|------------|-----------------------------------|-----------------------------|-------------|-------------|---------------------------|
| ODP        | MOTOR FRAME                       | 184T                        | 213T        | 215T        | 254T                      |
|            | G MAX                             | 16.63 (422)                 | 19.08 (485) |             | 22.57 (573)               |
|            | MAXIMUM ASSEMBLY WEIGHT LBS. (KG) | 377 (171)                   | 458 (208)   |             | 674 (306)                 |
| TEFC       | MOTOR FRAME                       | 184T                        | 213T        | 215T        | 254T                      |
|            | G MAX                             | 18.19 (462)                 | 19.02 (483) | 20.65 (524) | 23.16 (588)               |
|            | MAXIMUM ASSEMBLY WEIGHT LBS. (KG) | 377 (171)                   | 458 (208)   |             | 674 (306)                 |
| A          |                                   | ANSI Class 125: 4.73 (120)  |             |             |                           |
|            |                                   | ANSI Class 250: 5.04 (128)  |             |             |                           |
| B          |                                   | ANSI Class 125: 10.00 (254) |             |             |                           |
|            |                                   | ANSI Class 250: 10.37 (263) |             |             |                           |
| C          |                                   | 16.18 (411)                 |             |             | 19.17 (487)               |
| D          |                                   | 41.5 (1054)                 |             |             | 49.0 (1245)               |
| E          |                                   | ANSI Class 125: 1.04 (26)   |             |             | ANSI Class 125: 0.90 (23) |
|            |                                   | ANSI Class 250: 0.73 (19)   |             |             | ANSI Class 250: 0.59 (15) |
| F          |                                   | 11.28 (287)                 |             |             |                           |
| J          |                                   | ANSI Class 125: 23.63 (600) |             |             |                           |
|            |                                   | ANSI Class 250: 23.94 (608) |             |             |                           |
| K          |                                   | 14.68 (373)                 |             |             | 17.68 (449)               |
| N          |                                   | 2.00 (51)                   |             |             |                           |
| P          |                                   | 37.5 (953)                  |             |             | 45.0 (1143)               |

| Configuration | DOE Basic Model Number | PEI Value        |      | Energy Rating |
|---------------|------------------------|------------------|------|---------------|
| Bare Pump     | FI3009D-4P-BP          | PEI <sub>d</sub> | 0.91 | 9             |
| Pump + Motor  | FI3009D-4P-PM          | PEI <sub>d</sub> | 0.91 | 9             |

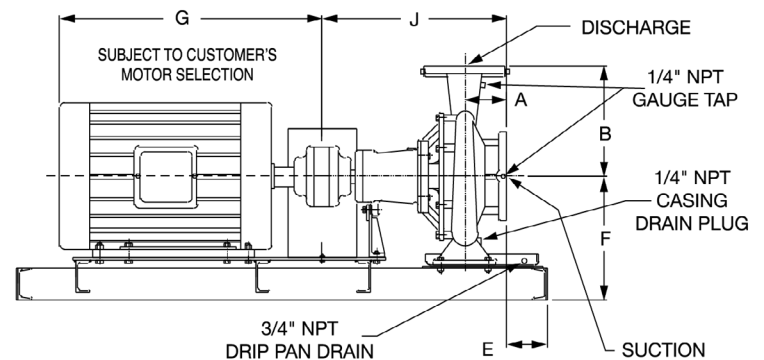
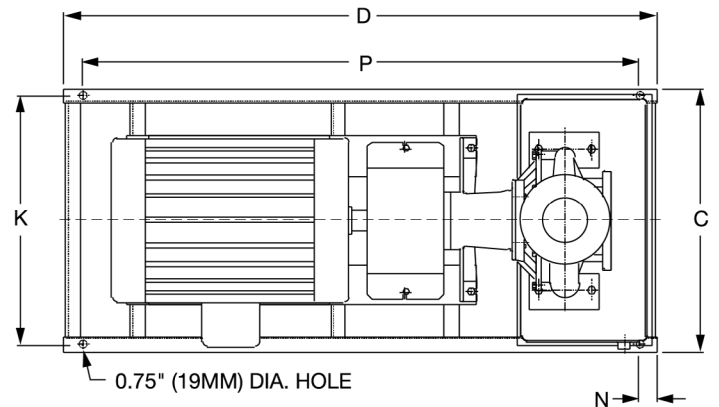
## OPERATING SPECIFICATIONS

| 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 |               |              | CASING                                    | COVER                                | IMPELLER                                | WEAR RING                   | SHAFT                               | SHAFT SLEEVE                       | MECHANICAL SEAL                              | SEAL FLUSH LINE ASSEMBLY |
|---------------------------|---------------|--------------|-------------------------------------------|--------------------------------------|-----------------------------------------|-----------------------------|-------------------------------------|------------------------------------|----------------------------------------------|--------------------------|
| STANDARD CONSTRUCTION     | BRONZE FITTED | 125# FLANGE  | Cast Iron ASTM A48/A48M-03 Class 30A      | Cast Iron ASTM A48/A48M-03 Class 30A | Bronze ASTM B584 ALLOY C83600 or C84400 | N/A                         | Stainless Steel TYPE 416™ ASTM A582 | Bronze ASTM B584-98A C92200        | Ceramic/EPT                                  | N/A                      |
|                           |               | 250# FLANGE  | Ductile Iron ASTM A536-84 Grade 65-45-12  | Cast Iron ASTM A48/A48M-03 Class 30A | Bronze ASTM B584 ALLOY C83600 or C84400 | N/A                         | Stainless Steel TYPE 416™ ASTM A582 | Bronze ASTM B584-98A C92200        | Ceramic/EPT                                  | N/A                      |
| OPTIONAL                  |               | 125# OR 250# | N/A                                       | N/A                                  | Stainless Steel ASTM A351/A 351M-08     | Bronze ASTM B584-98A C92200 | N/A                                 | Stainless Steel TYPE 303 ASTM A276 | Tyngsten Carbide /EPT or Silicon-Carbide/EPT | Copper & Brass C3600     |
| STANDARD CONSTRUCTION     | NSF 61        | 125# FLANGE  | Cast Iron ASTM A48/A48M-03 Class 30A      | Cast Iron ASTM A48/A48M-03 Class 30A | Stainless Steel ASTM A351/A 351M-08     | N/A                         | Stainless Steel TYPE 416™ ASTM A582 | Bronze ASTM B584-98A C92200        | Ceramic/EPT                                  | Copper & Brass C3600     |
|                           |               | 250# FLANGE  | Ductile Iron ASTM A536-84 Grade: 65-45-12 | Cast Iron ASTM A48/A48M-03 Class 30A | Stainless Steel ASTM A351/A 351M-08     | N/A                         | Stainless Steel TYPE 416™ ASTM A582 | Bronze ASTM B584-98A C92200        | Ceramic/EPT                                  | Copper & Brass C3600     |
| OPTIONAL                  |               | 125# OR 250# | N/A                                       | N/A                                  | N/A                                     | Bronze ASTM B584-98A C92200 | N/A                                 | N/A                                | N/A                                          | N/A                      |

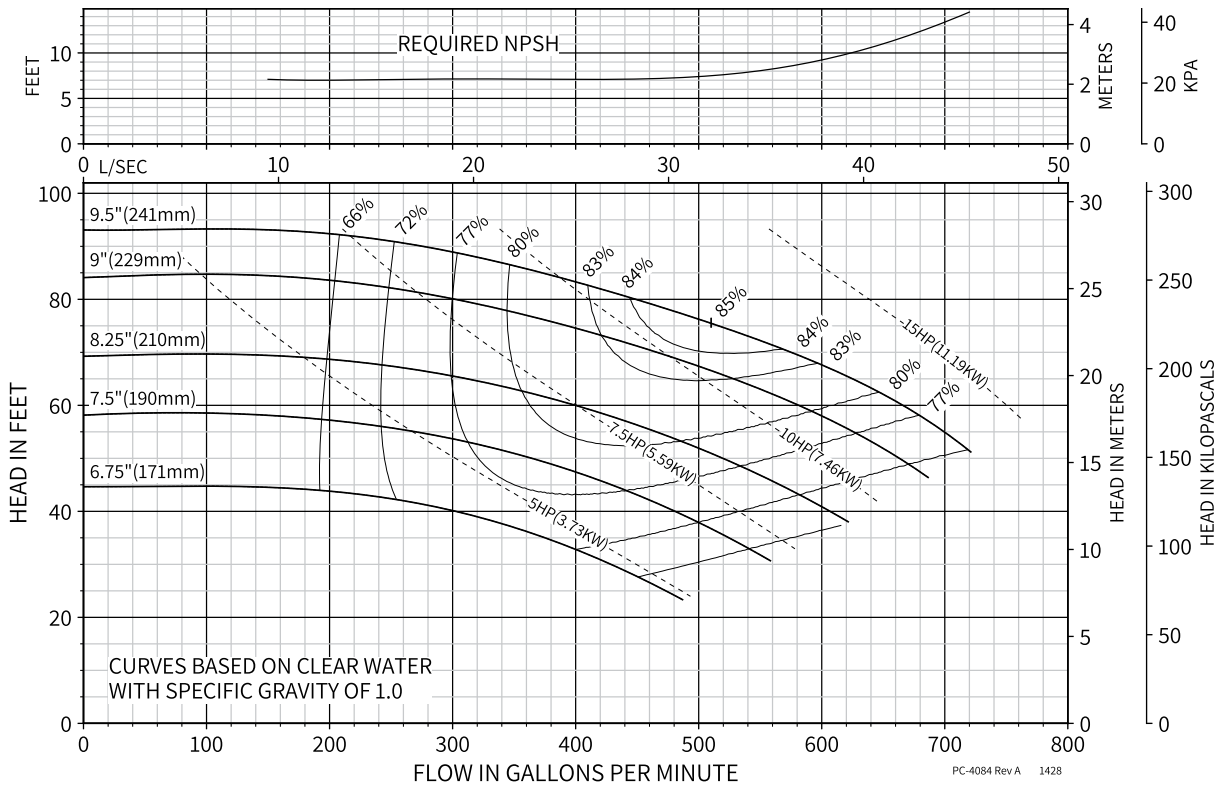
N/A - Not Available



## FI Series | Model: 3009D | 1760 RPM

Curve No. 4084 | Min. Imp. Dia. 6.75" | Size 4x3x9.5 | January 29, 2020

**Energy Efficiency Rating:** DOE Basic Model Number: FI3009D-4P-PM  
Pump & Motor: PE<sub>CL</sub>: 0.91 | ER<sub>CL</sub>: 9



## COMMENTS