

# FI Series Pump | Submittal Data

Submittal No: 301-1492D | Model: 5013D | RPM: 1450 - 50 Hz | Effective: January 27, 2020 | Supersedes: December 31, 2018

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

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

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

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

## PRODUCT DATA

ITEM NO. \_\_\_\_\_ MODEL NO. 5013D

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

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

HEAD/FT \_\_\_\_\_ RPM 1450

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

## DIMENSIONS

Model No. | 5013D  
Flange Size (Suction x Discharge) | 6 x 5 (152 x 127)

| HORSEPOWER |                                   | 15                          | 20   | 25          | 30   | 40          |
|------------|-----------------------------------|-----------------------------|------|-------------|------|-------------|
| ODP        | MOTOR FRAME                       | 254T                        | 256T | 284T        | 286T | 324T        |
|            | G MAX                             | 22.57 (573)                 |      | 25.07 (636) |      | 23.69 (601) |
|            | MAXIMUM ASSEMBLY WEIGHT LBS. (KG) | 969 (440)                   |      | 1233 (559)  |      | 1293 (587)  |
| TEFC       | MOTOR FRAME                       | 254T                        | 256T | 284T        | 286T | 324T        |
|            | G MAX                             | 23.41 (594)                 |      | 27.89 (708) |      | 30.52 (775) |
|            | MAXIMUM ASSEMBLY WEIGHT LBS. (KG) | 969 (440)                   |      | 1233 (559)  |      | 1293 (587)  |
| A          |                                   | ANSI Class 125: 5.31 (135)  |      |             |      |             |
|            |                                   | ANSI Class 250: 5.75 (146)  |      |             |      |             |
| B          |                                   | ANSI Class 125: 16.00 (406) |      |             |      |             |
|            |                                   | ANSI Class 250: 16.44 (418) |      |             |      |             |
| C          |                                   | 25.18 (640)                 |      |             |      |             |
| D          |                                   | 53.0 (1346)                 |      |             |      |             |
| E          |                                   | ANSI Class 125: 1.23 (31)   |      |             |      |             |
|            |                                   | ANSI Class 250: 0.79 (20)   |      |             |      |             |
| F          |                                   | 16.59 (421)                 |      |             |      |             |
| J          |                                   | ANSI Class 125: 26.25 (667) |      |             |      |             |
|            |                                   | ANSI Class 250: 26.69 (678) |      |             |      |             |
| K          |                                   | 23.67 (601)                 |      |             |      |             |
| N          |                                   | 2.00 (51)                   |      |             |      |             |
| P          |                                   | 49.0 (1245)                 |      |             |      |             |

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

| Configuration | DOE Basic Model Number | PEI Value        |       | Energy Rating |
|---------------|------------------------|------------------|-------|---------------|
| Bare Pump     | FI5013D-4P-BP          | PEI <sub>d</sub> | 0.93† | 7†            |
| Pump + Motor  | FI5013D-4P-PM          | PEI <sub>d</sub> | 0.93† | 7†            |

†PEI/ER values based on 60Hz test.

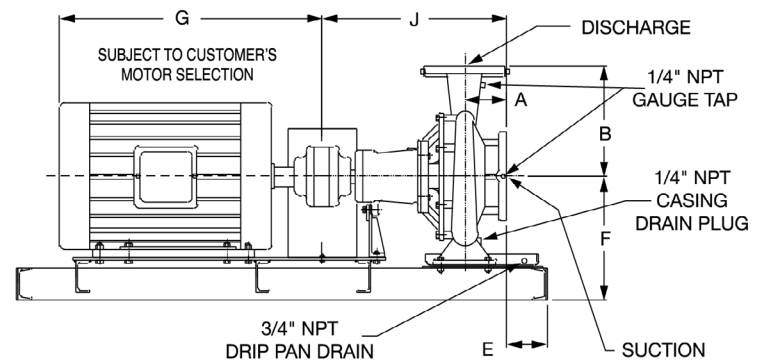
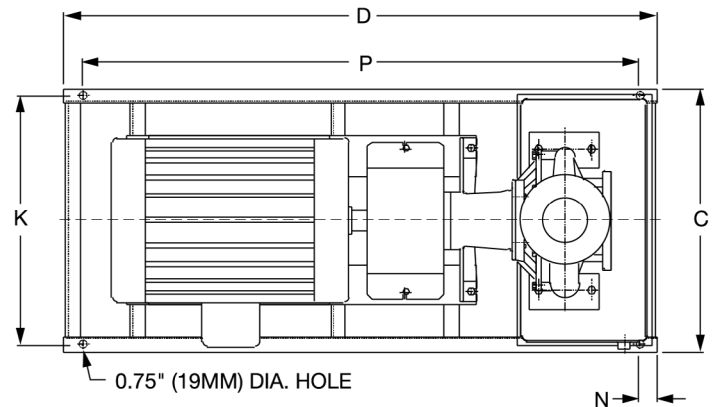
## OPERATING SPECIFICATIONS

| 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



| MATERIALS OF CONSTRUCTION |              | CASING                                   | COVER                                | IMPELLER                                | WEAR RING                   | SHAFT                                | SHAFT SLEEVE                       | MECHANICAL SEAL                              | SEAL FLUSH LINE ASSEMBLY |
|---------------------------|--------------|------------------------------------------|--------------------------------------|-----------------------------------------|-----------------------------|--------------------------------------|------------------------------------|----------------------------------------------|--------------------------|
| STANDARD CONSTRUCTION     | 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™T 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™T 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     |

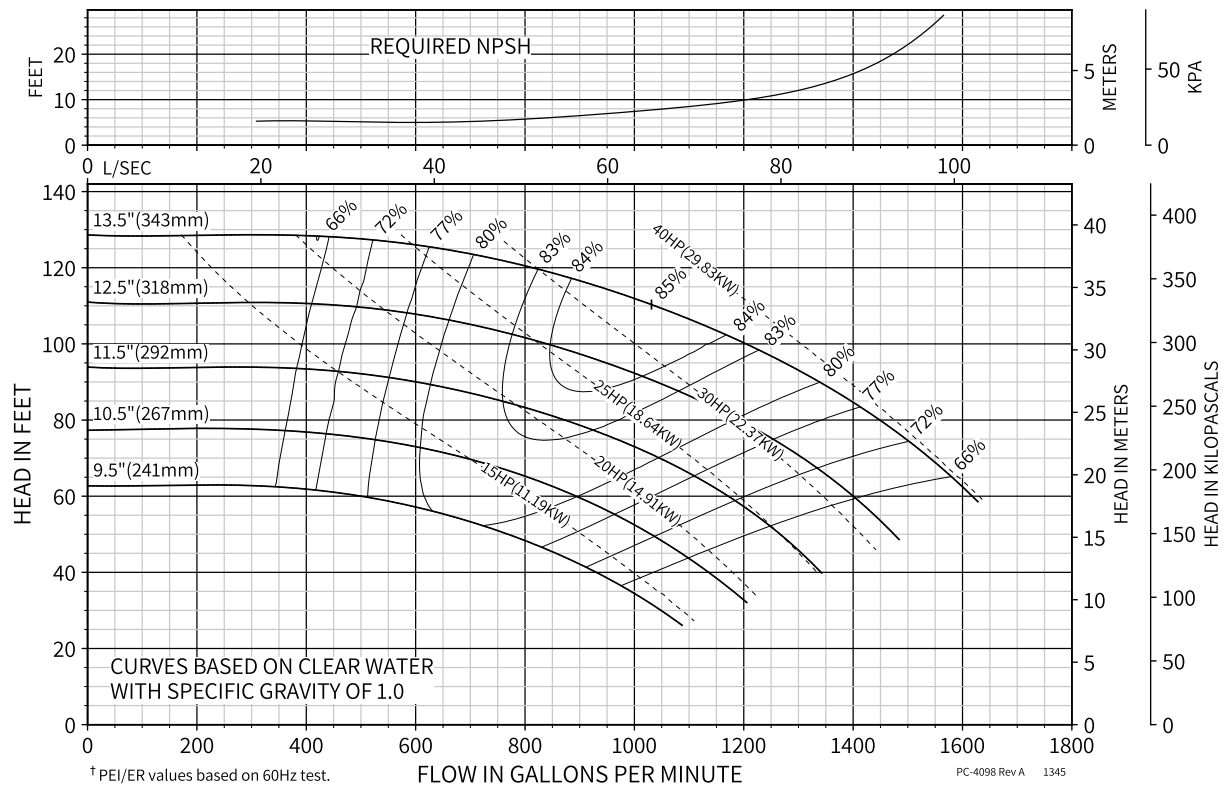
N/A - Not Available



## FI Series | Model: 5013D | 1450 RPM

Curve No. 4098 | Min. Imp. Dia. 9.5" | Size 6x5x13.5 | January 27, 2020

**Energy Efficiency Rating:** DOE Basic Model Number: FI5013D-4P-PM  
Pump & Motor: PEI<sub>CL</sub>: 0.93<sup>†</sup> | ER<sub>CL</sub>: 7<sup>†</sup>



## COMMENTS