

# CI Series Pump | Submittal Data

Submittal No: 301-1407D | Model: 4013D | RPM: 1450 - 50 Hz | Effective: January 27, 2020 | Supersedes: December 31, 2018

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

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

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

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

## PRODUCT DATA

ITEM NO. \_\_\_\_\_ MODEL NO. 4013D

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

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

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

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

## DIMENSIONS

Model No. | 4013D  
Flange Size (Suction x Discharge) | 5 x 4 (127 x 102)

| HORSEPOWER |                                   | 10                          | 15                          | 20          | 25          | 30          |
|------------|-----------------------------------|-----------------------------|-----------------------------|-------------|-------------|-------------|
| ODP        | MOTOR FRAME                       | 215JM                       | 254JM                       | 256JM       | 284JM       | 286JM       |
|            | G MAX                             | 16.60 (422)                 | 19.44 (494)                 |             | 21.31 (541) | 21.69 (551) |
|            | MAXIMUM ASSEMBLY WEIGHT LBS. (KG) | 507 (230)                   | 688 (312)                   |             | 803 (364)   |             |
| TEFC       | MOTOR FRAME                       | 215JM                       | 254JM                       | 256JM       | 284JM       | 286JM       |
|            | G MAX                             | 18.11 (460)                 | 20.05 (509)                 |             | 23.39 (594) |             |
|            | MAXIMUM ASSEMBLY WEIGHT LBS. (KG) | 507 (230)                   | 688 (312)                   |             | 803 (364)   |             |
| A          |                                   | ANSI Class 125: 6.10 (155)  |                             |             |             |             |
|            |                                   | ANSI Class 250: 6.54 (166)  |                             |             |             |             |
| B          |                                   | ANSI Class 125: 14.00 (356) |                             |             |             |             |
|            |                                   | ANSI Class 250: 14.44 (367) |                             |             |             |             |
| C (MOTOR)  |                                   | 8.5 (216)                   | 10.0 (254)                  |             | 11.0 (279)  |             |
| D          |                                   | 8.0 (203)                   | 9.5 (241)                   | 11.75 (298) | 10.75 (273) | 12.25 (311) |
| E          |                                   | 5.25 (133)                  | 6.25 (159)                  |             | 7.0 (178)   |             |
| F          |                                   | 12.40 (315)                 |                             |             |             |             |
| H (PUMP)   |                                   | 17.72 (450)                 |                             |             |             |             |
| J          |                                   | 5.90 (150)                  |                             |             |             |             |
| K          |                                   | ANSI Class 125: 3.15 (80)   |                             |             |             |             |
|            |                                   | ANSI Class 250: 3.59 (91)   |                             |             |             |             |
| L          |                                   | 7.00 (178)                  | 7.76 (197)                  |             |             |             |
| N (PUMP)   |                                   | 0.63 (16)                   |                             |             |             |             |
| P          |                                   | 0.41 (10)                   | 0.53 (13)                   |             |             |             |
| R          |                                   | 7.0 (178)                   | 8.25 (210)                  | 10.0 (254)  | 9.5 (241)   | 11.0 (279)  |
| S          |                                   | ANSI Class 125: 11.30 (287) | ANSI Class 125: 11.81 (300) |             |             |             |
|            |                                   | ANSI Class 250: 11.74 (298) | ANSI Class 250: 12.25 (311) |             |             |             |

| Configuration | DOE Basic Model Number | PEI Value        |       | Energy Rating |
|---------------|------------------------|------------------|-------|---------------|
| Bare Pump     | CI4013D-4P-BP          | PEI <sub>d</sub> | 0.92† | 8†            |
| Pump + Motor  | CI4013D-4P-PM          | PEI <sub>d</sub> | 0.92† | 8†            |

†PEI/ER values based on 60Hz test.

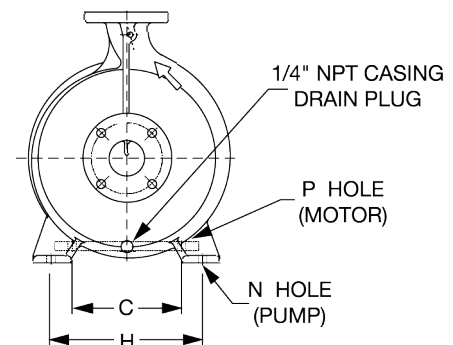
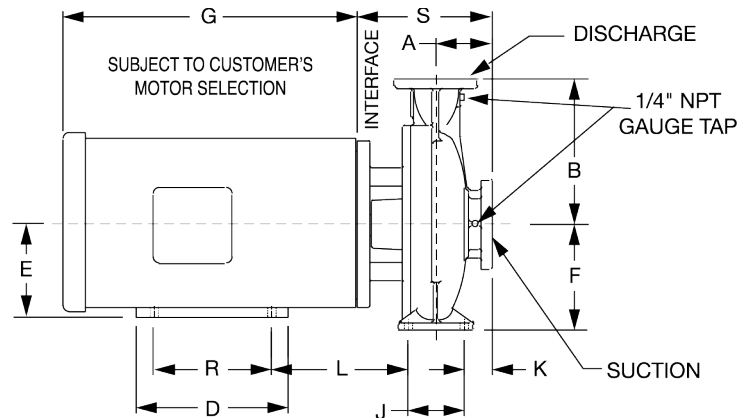
## OPERATING SPECIFICATIONS

| 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 (JM 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                         | Carbon Steel | 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                         | Carbon Steel | 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     |

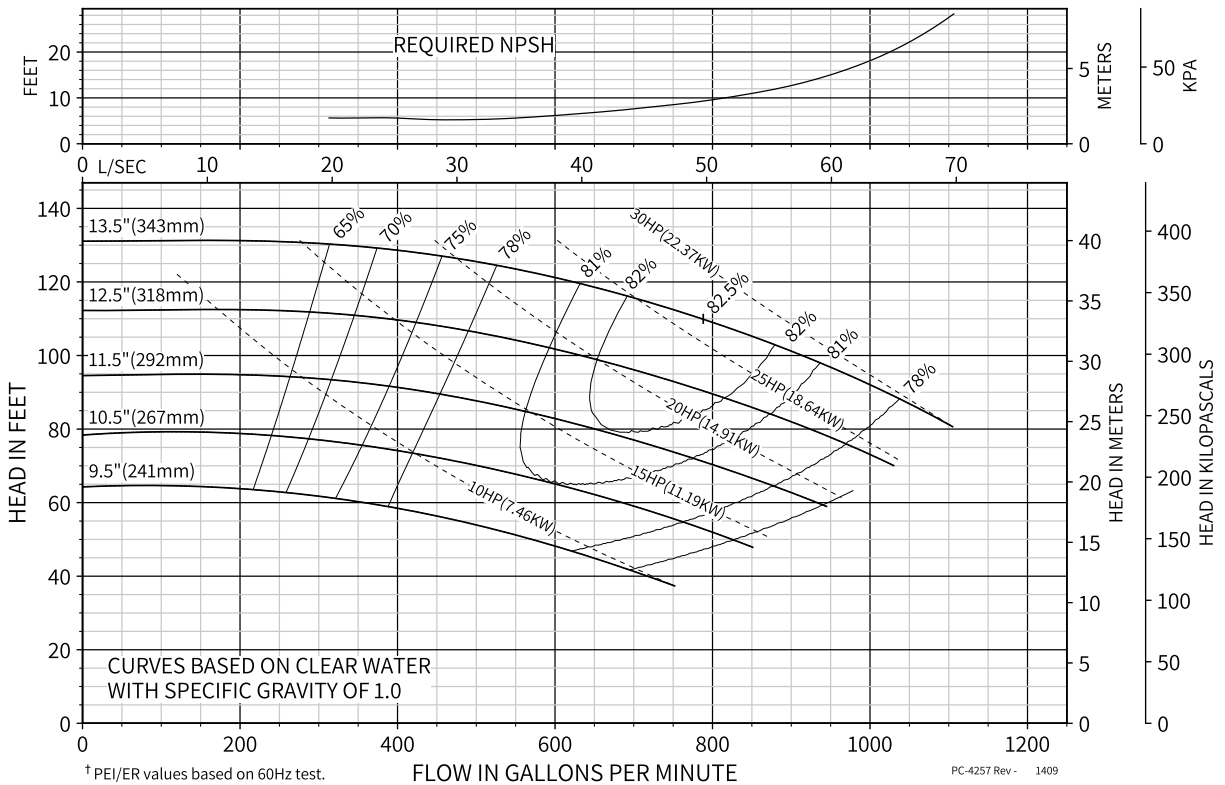
N/A - Not Available



## CI Series | Model: 4013D | 1450 RPM

Curve No. 4257 | Min. Imp. Dia. 9.5" | Size 5x4x13.5 | January 29, 2020

**Energy Efficiency Rating:** DOE Basic Model Number: CI4013D-4P-PM  
Pump & Motor:  $PE_{CL}$ : 0.92<sup>†</sup> |  $ER_{CL}$ : 8<sup>†</sup>



## COMMENTS