

# CI Series Pump | Submittal Data

Submittal No: 301-1304D | Model: 2506D | RPM: 1760 - 60 Hz | Effective: January 27, 2020 | Supersedes: July 12, 2018

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

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

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

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

## PRODUCT DATA

ITEM NO. \_\_\_\_\_ MODEL NO. 2506D

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

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

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

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

NSF 61 CERTIFIED YES NO

## DIMENSIONS

Model No. | 2506D

Flange Size (Suction x Discharge) | 3 x 2 1/2 (76 x 64)

| HORSEPOWER |                                   | 1                          | 1.5       | 2 |
|------------|-----------------------------------|----------------------------|-----------|---|
| ODP        | MOTOR FRAME                       | 143JM                      | 145JM     |   |
|            | G MAX                             | 11.15 (283)                |           |   |
|            | MAXIMUM ASSEMBLY WEIGHT LBS. (KG) | 131 (60)                   |           |   |
| TEFC       | MOTOR FRAME                       | 143JM                      | 145JM     |   |
|            | G MAX                             | 11.15 (283)                |           |   |
|            | MAXIMUM ASSEMBLY WEIGHT LBS. (KG) | 131 (60)                   |           |   |
| A          |                                   | ANSI Class 125: 3.74 (95)  |           |   |
|            |                                   | ANSI Class 250: 4.11 (104) |           |   |
| B          |                                   | ANSI Class 125: 8.25 (210) |           |   |
|            |                                   | ANSI Class 250: 8.56 (217) |           |   |
| C (MOTOR)  |                                   | 5.5 (140)                  |           |   |
| D          |                                   | 5.94 (151)                 |           |   |
| E          |                                   | 3.50 (89)                  |           |   |
| F          |                                   | 6.30 (160)                 |           |   |
| H (PUMP)   |                                   | 8.34 (212)                 |           |   |
| J          |                                   | 2.76 (70)                  |           |   |
| K          |                                   | ANSI Class 125: 2.36 (60)  |           |   |
|            |                                   | ANSI Class 250: 2.73 (69)  |           |   |
| L          |                                   | 5.66 (144)                 |           |   |
| N (PUMP)   |                                   | 0.63 (16)                  |           |   |
| P          |                                   | 0.34 (9)                   |           |   |
| R          |                                   | 4.0 (101)                  | 5.0 (127) |   |
| S          |                                   | ANSI Class 125: 7.92 (201) |           |   |
|            |                                   | ANSI Class 250: 8.29 (211) |           |   |

| Configuration | DOE Basic Model Number | PEI Value        |      | Energy Rating |
|---------------|------------------------|------------------|------|---------------|
| Bare Pump     | CI2506D-4P-BP          | PEI <sub>d</sub> | 0.85 | 15            |
| Pump + Motor  | CI2506D-4P-PM          | PEI <sub>d</sub> | 0.85 | 15            |

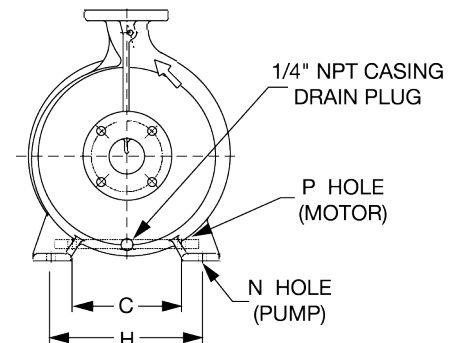
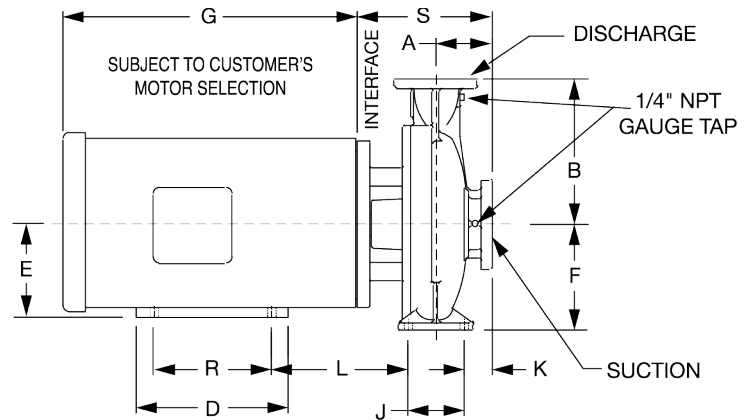
## OPERATING SPECIFICATIONS

| 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     | 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                         | 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     |
| 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                         | Carbon Steel | 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                         | Carbon Steel | 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                      |

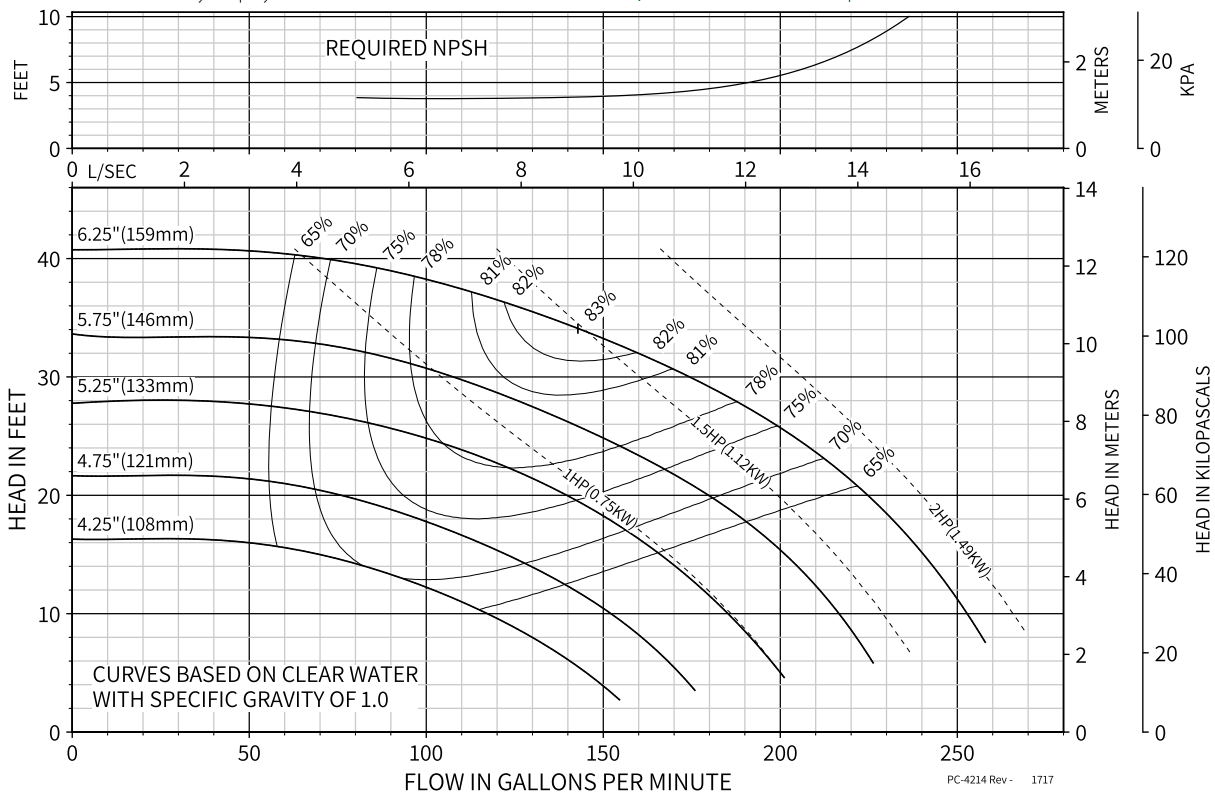
N/A - Not Available



## CI Series | Model: 2506D | 1760 RPM

Curve No. 4214 | Min. Imp. Dia. 4.25" | Size 3x2.5x6.25 | February 04, 2020

**Energy Efficiency Rating:** DOE Basic Model Number: CI2506D-4P-PM  
Pump & Motor: PE<sub>CL</sub>: 0.85 | ER<sub>CL</sub>: 15



## COMMENTS