

# KS Series Pump | Submittal Data

**Vertical Split Coupled Pumps**

**Submittal No:** 301-1178D I | **Model:** 1506D | **RPM:** 1450 - 50 Hz | **Effective:** December 31, 2019 | **Supersedes:** New

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

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

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

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

## PRODUCT DATA

**ITEM NO.** \_\_\_\_\_ **MODEL NO.** 1506D

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

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

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

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

**NSF 61 CERTIFIED** YES NO **SUPPORT STAND OPTION** YES NO  
(Ductile Iron ASTM A536-84 Grade 65-45-12)

## DIMENSIONS

Model No. | 1506D

Flange Size (Suction x Discharge) | 1.5 x 1.5 (38 x 38)

|                                               |                            |
|-----------------------------------------------|----------------------------|
| <b>HORSEPOWER</b>                             | 1                          |
| <b>MOTOR FRAME TEFC</b>                       | 143TC                      |
| <b>MOTOR FRAME ODP</b>                        | 143TC                      |
| <b>WEIGHT WITHOUT OPTIONAL STAND LBS (KG)</b> | 171.3 (78)                 |
| <b>WEIGHT WITH OPTIONAL STAND LBS (KG)</b>    | 182.4 (83)                 |
| <b>FLANGE SIZE ASA</b>                        | 1.5 (38)                   |
| <b>A*</b>                                     | ANSI CLASS 125: 7.5 (191)  |
|                                               | ANSI CLASS 250: 7.75 (197) |
| <b>B*</b>                                     | ANSI CLASS 125: 7.5 (191)  |
|                                               | ANSI CLASS 250: 7.75 (197) |
| <b>C</b>                                      | 4.68 (119)                 |
| <b>D</b>                                      | 15.85 (403)                |
| <b>E MAX</b>                                  | 13.41 (341)                |
| <b>F</b>                                      | 4.75 (121)                 |
| <b>G</b>                                      | 5.00 (127)                 |
| <b>J DIA</b>                                  | 7.19 (183)                 |
| <b>K</b>                                      | 2                          |
| <b>L</b>                                      | 5/16-18 UNC-2B             |
| <b>M</b>                                      | 1.75 (44)                  |
| <b>N</b>                                      | 6 (152)                    |
| <b>P</b>                                      | 7.5 (191)                  |
| <b>Q</b>                                      | 0.63 (16)                  |
| <b>R</b>                                      | 6 (152)                    |

| Configuration | DOE Basic Model Number | PEI Value        |      | Energy Rating |
|---------------|------------------------|------------------|------|---------------|
| Bare Pump     | KS1506D-4P-BP          | PEI <sub>d</sub> | 0.8† | 20†           |
| Pump + Motor  | KS1506D-4P-PM          | PEI <sub>d</sub> | 0.8† | 20†           |

†PEI/ER values based on 60Hz test.

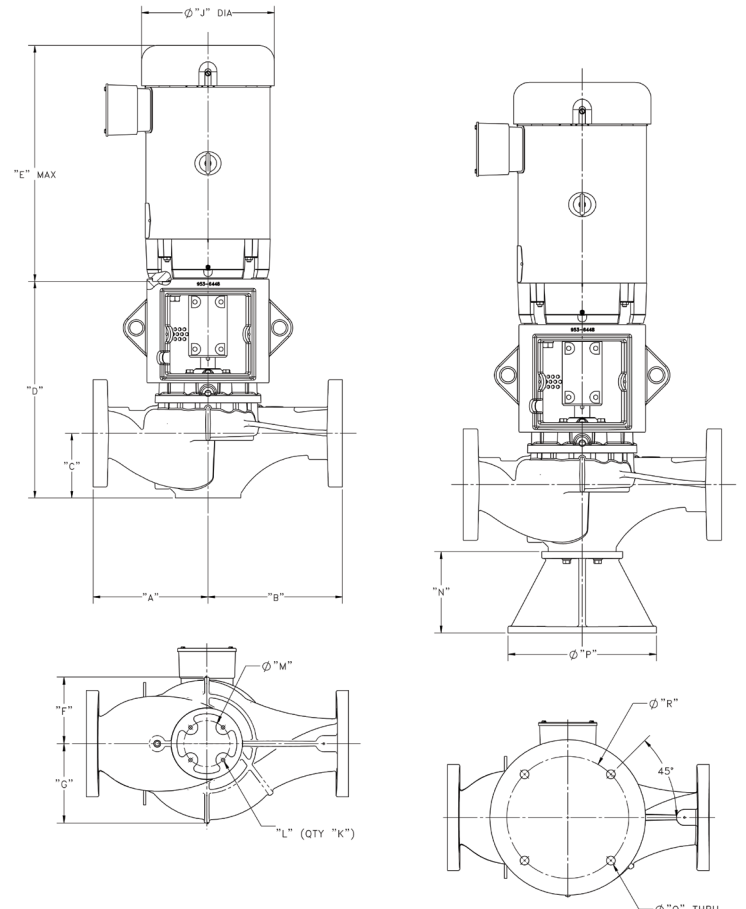
## OPERATING SPECIFICATIONS

| 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 (TC Frame)

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

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



\*A & B Dimensions apply for all pump sizes.

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                                 | COUPLING               | MECHANICAL SEAL                             | SEAL FLUSH LINE ASSEMBLY | SUPPORT STAND                            |
|---------------------------|---------------|--------------|-------------------------------------------|--------------------------------------|-----------------------------------------|-----------------------------|---------------------------------------|------------------------|---------------------------------------------|--------------------------|------------------------------------------|
| 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 | Aluminum Alloy 6061-T6 | Ceramic/EPT                                 | Copper & Brass C3600     | 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 | Aluminum Alloy 6061-T6 | Ceramic/EPT                                 | Copper & Brass C3600     | N/A                                      |
| OPTIONAL                  |               | 125# OR 250# | N/A                                       | N/A                                  | Stainless Steel ASTM A351/A 351M-08     | Bronze ASTM B584-98A C92200 | N/A                                   | n/A                    | Tungsten Carbide/EPT or Silicon-Carbide/EPT | N/A                      | Ductile Iron ASTM A536-84 Grade 65-45-12 |
| 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 | Aluminum Alloy 6061-T6 | Ceramic/EPT                                 | Copper & Brass C3600     | N/A                                      |
|                           |               | 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 | Aluminum Alloy 6061-T6 | Ceramic/EPT                                 | Copper & Brass C3600     | N/A                                      |
| OPTIONAL                  |               | 125# OR 250# | N/A                                       | N/A                                  | N/A                                     | Bronze ASTM B584-98A C92200 | N/A                                   | N/A                    | N/A                                         | N/A                      | Ductile Iron ASTM A536-84 Grade 65-45-12 |

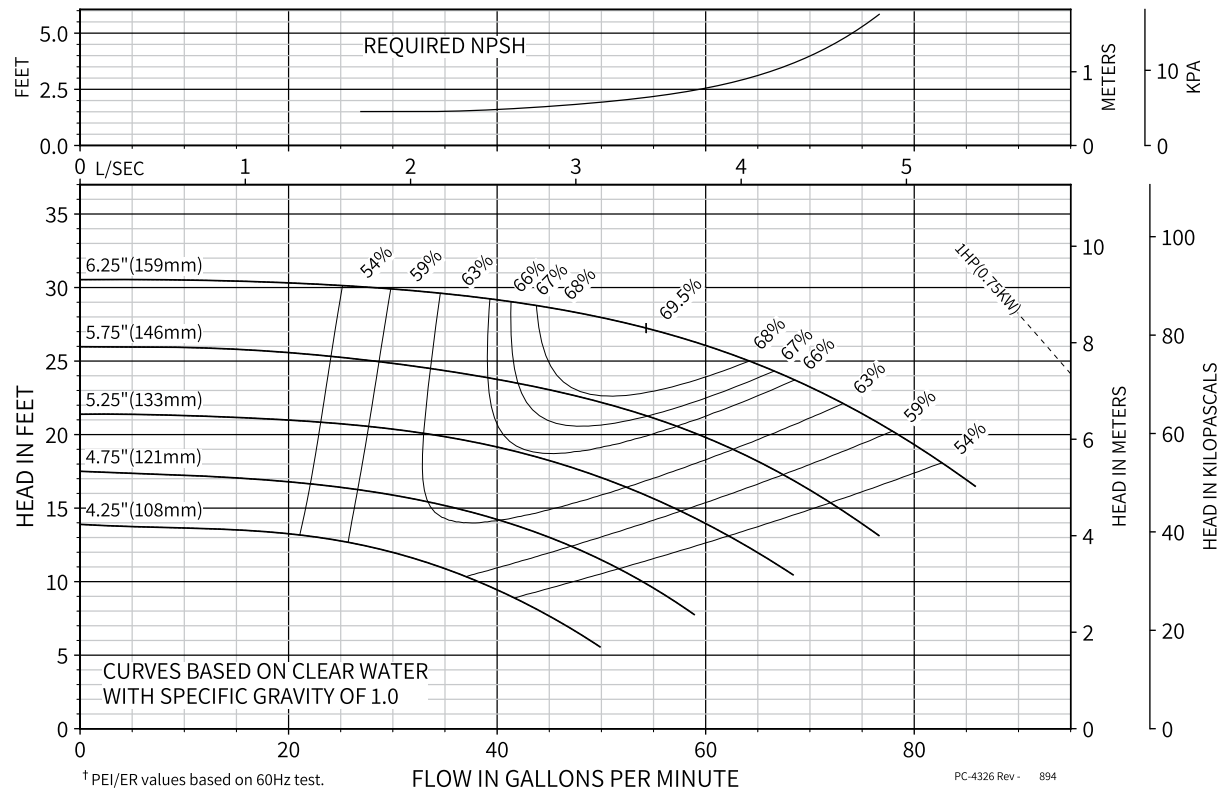
N/A - Not Available



## KS Series | Model: 1506D | 1450 RPM

Curve No. 4326 | Min. Imp. Dia. 4.25" | Size 1.5x1.5x6.25 | December 13, 2019

**Energy Efficiency Rating:** DOE Basic Model Number: KS1506D-4P-PM  
Pump & Motor:  $PEI_{CL}: 0.8^{\dagger}$  |  $ER_{CL}: 20^{\dagger}$



## COMMENTS