

# KS Series Pump | Submittal Data

Vertical Split Coupled Pumps

Submittal No: 301-910D | Model: 3013D | RPM: 1450 - 50 Hz | Effective: December 31, 2019 | Supersedes: New

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

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

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

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

## PRODUCT DATA

ITEM NO. \_\_\_\_\_ MODEL NO. 3013D

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. | 3013D

Flange Size (Suction x Discharge) | 3 x 3 (76 x 76)

|                                              |                             |                 |                 |                 |
|----------------------------------------------|-----------------------------|-----------------|-----------------|-----------------|
| HORSEPOWER                                   | 7.5                         | 10              | 15              | 20              |
| MOTOR FRAME TEFC                             | 213TC                       | 215TC           | 254TC           | 256TC           |
| MOTOR FRAME ODP                              | 213TC                       | 215TC           | 254TC           | 256TC           |
| WEIGHT WITHOUT<br>OPTIONAL STAND<br>LBS (KG) | 550.75<br>(250)             | 566.15<br>(257) | 722.92<br>(328) | 744.92<br>(338) |
| WEIGHT WITH<br>OPTIONAL STAND<br>LBS (KG)    | 602.7<br>(273)              | 618.1<br>(280)  | 774.87<br>(351) | 796.87<br>(361) |
| FLANGE SIZE ASA                              | 3 (76)                      |                 |                 |                 |
| A*                                           | ANSI CLASS 125: 13.75 (349) |                 |                 |                 |
|                                              | ANSI CLASS 250: 14.13 (359) |                 |                 |                 |
| B*                                           | ANSI CLASS 125: 13.75 (349) |                 |                 |                 |
|                                              | ANSI CLASS 250: 14.13 (359) |                 |                 |                 |
| C                                            | 6.88 (175)                  |                 |                 |                 |
| D                                            | 18.75 (476)                 |                 | 22.46 (570)     |                 |
| E MAX                                        | 18.14 (461)                 |                 | 20.03 (509)     |                 |
| F                                            | 8.84 (225)                  |                 |                 |                 |
| G                                            | 9.65 (245)                  |                 |                 |                 |
| J DIA                                        | 10.28 (261)                 |                 | 13.26 (337)     |                 |
| K                                            | 4                           |                 |                 |                 |
| L                                            | 3/8-16 UNC-2B               |                 |                 |                 |
| M                                            | 4.87 (124)                  |                 |                 |                 |
| N                                            | 6.5 (165)                   |                 |                 |                 |
| P                                            | 12.63 (321)                 |                 |                 |                 |
| Q                                            | 0.75 (19)                   |                 |                 |                 |
| R                                            | 10.63 (270)                 |                 |                 |                 |

\*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.

| Configuration | DOE Basic Model Number | PEI Value        |      | Energy Rating |
|---------------|------------------------|------------------|------|---------------|
| Bare Pump     | KS3013D-4P-BP          | PEI <sub>d</sub> | 0.8† | 20†           |
| Pump + Motor  | KS3013D-4P-PM          | PEI <sub>d</sub> | 0.8† | 20†           |

†PEI/ER values based on 60Hz test.

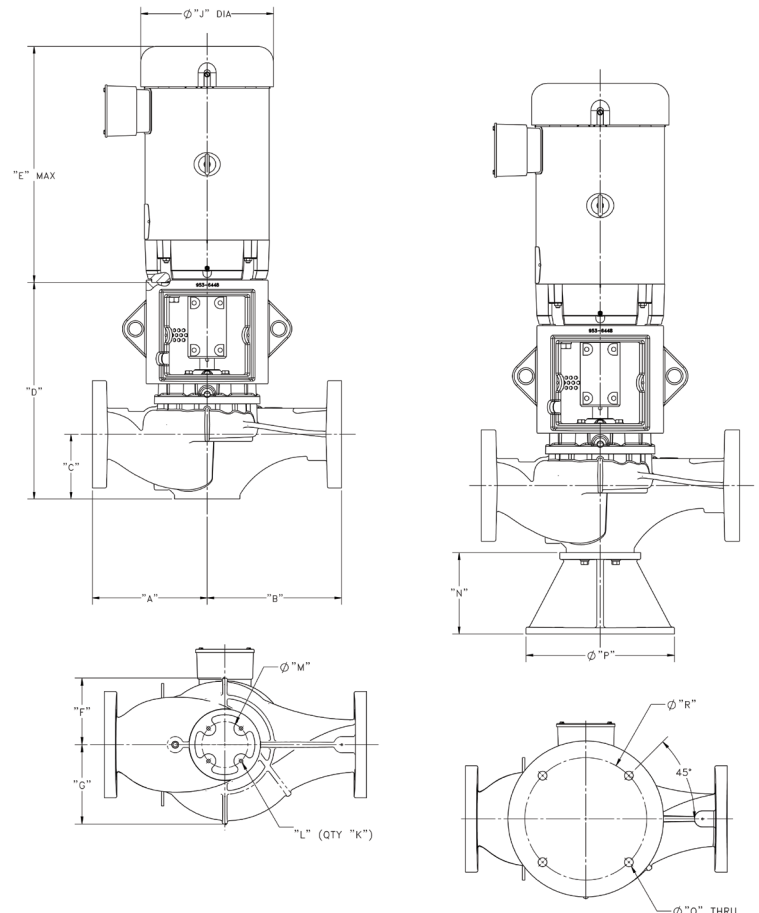
## OPERATING SPECIFICATIONS

| 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



| 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 |

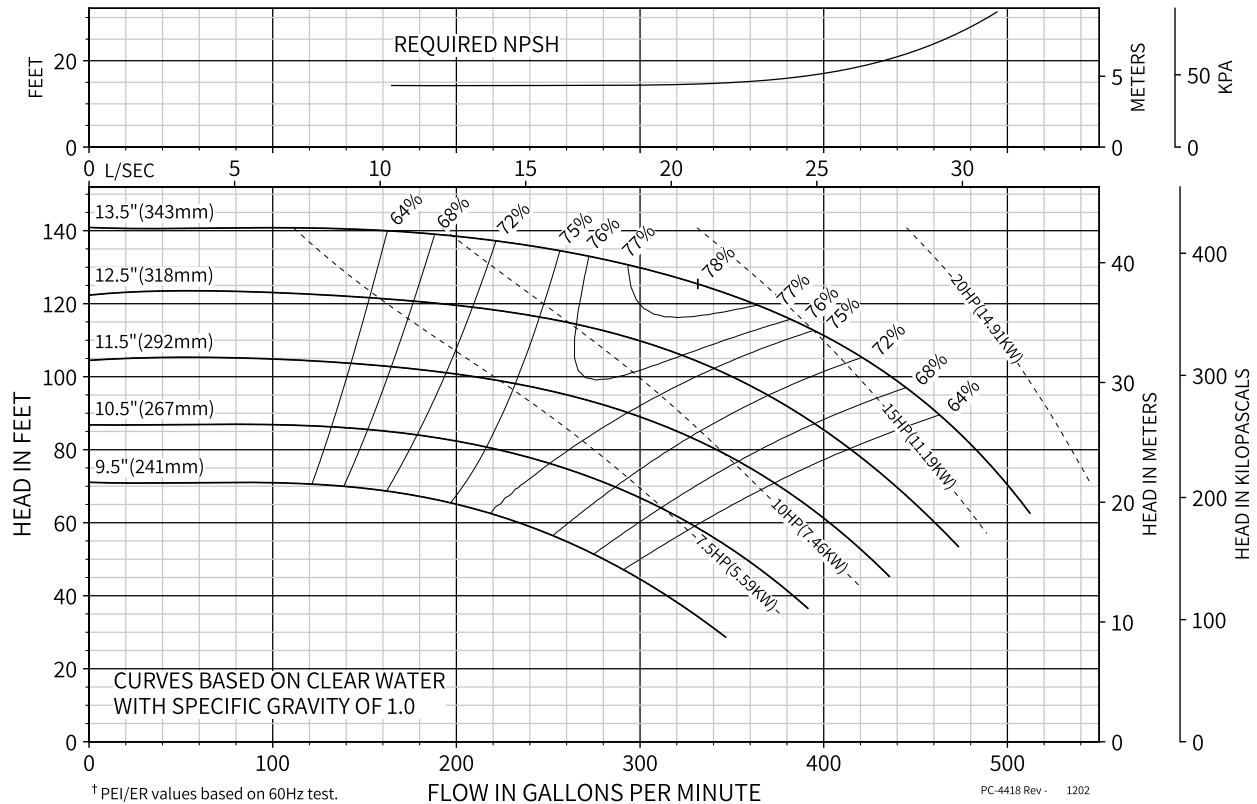
N/A - Not Available



## KS Series | Model: 3013D | 1450 RPM

Curve No. 4418 | Min. Imp. Dia. 9.5" | Size 3x3x13.5 | December 23, 2019

**Energy Efficiency Rating:** DOE Basic Model Number: KS3013D-4P-PM  
Pump & Motor: PEI<sub>CL</sub>: 0.8<sup>†</sup> | ER<sub>CL</sub>: 20<sup>†</sup>



## COMMENTS