

# KV Series Pump | Submittal Data

Vertical Close Coupled Pumps

Submittal No: 301-1061D | Model: 4013D | RPM: 1760 - 60 Hz | Effective: December 31, 2019 | Supersedes: New

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

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

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

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

## PRODUCT DATA

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

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

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

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

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

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

## DIMENSIONS

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

| HORSEPOWER                                   | 15                          | 20             | 25             | 30             | 40              |
|----------------------------------------------|-----------------------------|----------------|----------------|----------------|-----------------|
| MOTOR FRAME TEFC                             | 254JM                       | 256JM          | 284JM          | 286JM          | 324JM           |
| MOTOR FRAME ODP                              | 254JM                       | 256JM          | 284JM          | 286JM          | 324JM           |
| WEIGHT WITHOUT<br>OPTIONAL STAND<br>LBS (KG) | 687.9<br>(312)              | 742.9<br>(337) | 853.8<br>(387) | 858.2<br>(389) | 1038.6<br>(471) |
| WEIGHT WITH<br>OPTIONAL STAND<br>LBS (KG)    | 739.9<br>(336)              | 794.9<br>(361) | 905.7<br>(411) | 910.1<br>(413) | 1090.5<br>(495) |
| FLANGE SIZE ASA                              | 4 (102)                     |                |                |                |                 |
| A*                                           | ANSI CLASS 125: 15 (381)    |                |                |                |                 |
|                                              | ANSI CLASS 250: 15.31 (389) |                |                |                |                 |
| B*                                           | ANSI CLASS 125: 15 (381)    |                |                |                |                 |
|                                              | ANSI CLASS 250: 15.31 (389) |                |                |                |                 |
| C                                            | 7.93 (201)                  |                |                |                |                 |
| D                                            | 13.56 (344)                 |                |                |                |                 |
| E MAX                                        | 20.05 (509)                 |                | 23.39 (594)    |                | 25.4<br>(645)   |
| F                                            | 9.43 (239)                  |                |                |                |                 |
| G                                            | 10.14 (257)                 |                |                |                |                 |
| J DIA                                        | 12.94 (329)                 |                | 15.29 (388)    |                | 17.85<br>(453)  |
| 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     | KV4013D-4P-BP          | PEI <sub>d</sub> | 0.9 | 10            |
| Pump + Motor  | KV4013D-4P-PM          | PEI <sub>d</sub> | 0.9 | 10            |

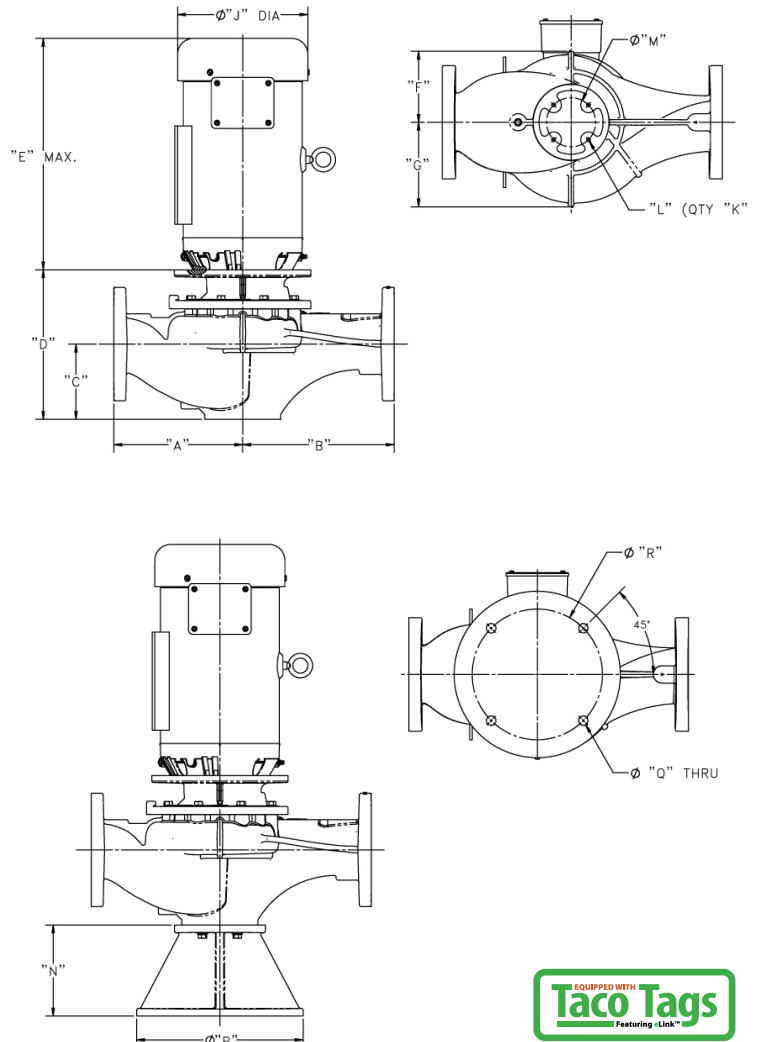
## OPERATING SPECIFICATIONS

| FLANGE         | PRESSURE                 | TEMPERATURE      |
|----------------|--------------------------|------------------|
| ANSI Class 125 | 175 PSIG*<br>(1210 KPA)  | 250°F<br>(120°C) |
| ANSI Class 250 | 300 PSIG**<br>(2070 KPA) | 250°F<br>(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 | 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                         | Carbon Steel | Bronze ASTM B584-98A C92200        | 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                         | Carbon Steel | Bronze ASTM B584-98A C92200        | 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          | Stainless Steel TYPE 303 ASTM A276 | Tungsten Carbide/EPT or Silicon-Carbide/EPT | N/A                      | Ductile Iron ASTM A536-84 Grade 65-45-12 |

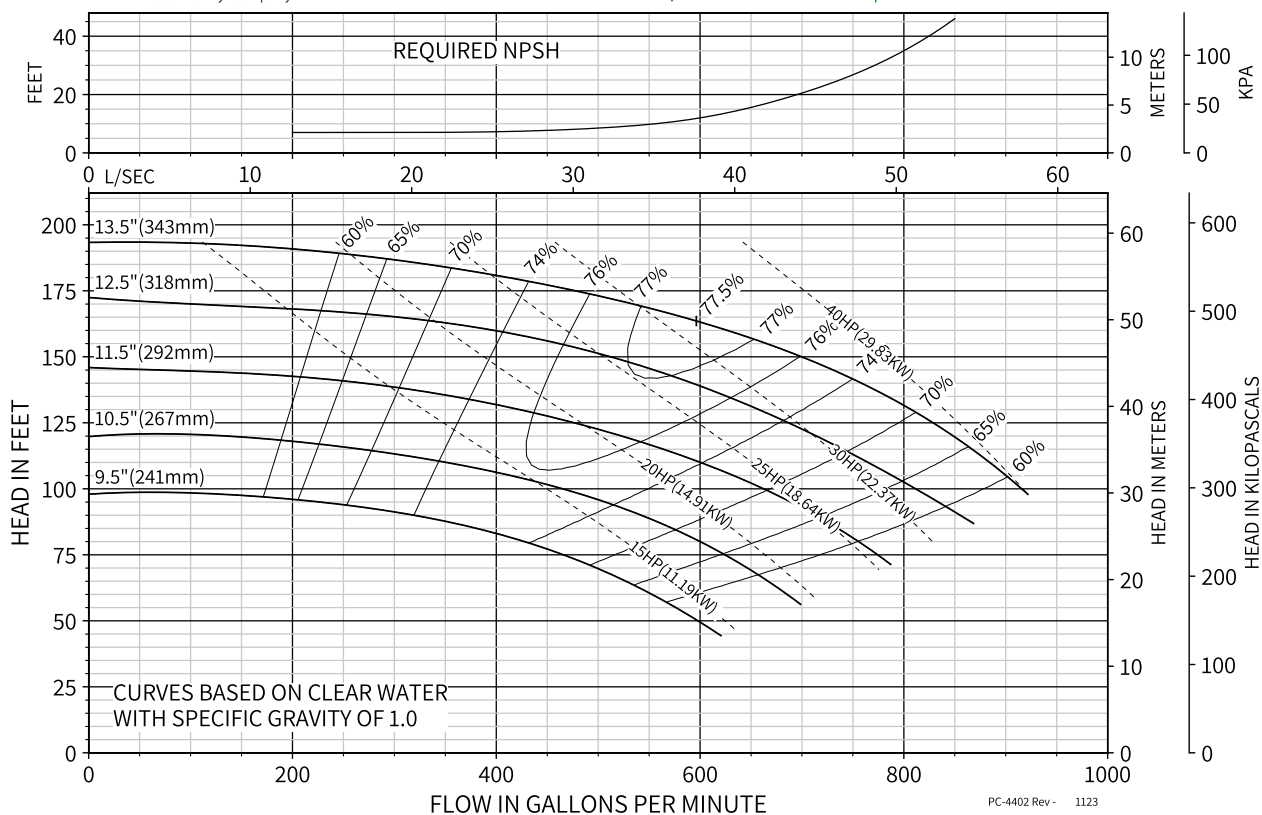
N/A - Not Available



## KV Series | Model: 4013D | 1760 RPM

Curve No. 4402 | Min. Imp. Dia. 9.5" | Size 4x4x13.5 | December 18, 2019

**Energy Efficiency Rating:** DOE Basic Model Number: KV4013D-4P-PM  
Pump & Motor:  $PE_{CL}$ : 0.9 |  $ER_{CL}$ : 10



### COMMENTS