

# KV Series Pump | Submittal Data

Vertical Close Coupled Pumps

Submittal No: 301-1104D | Model: 4009D | RPM: 1760 - 60 Hz | Effective: December 31, 2019 | Supersedes: New

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

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

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

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

## PRODUCT DATA

ITEM NO. \_\_\_\_\_ MODEL NO. 4009D

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. | 4009D

Flange Size (Suction x Discharge) | 4 x 4 (102 x 102)

| HORSEPOWER                                   | 5                           | 7.5            | 10             | 15             |
|----------------------------------------------|-----------------------------|----------------|----------------|----------------|
| MOTOR FRAME TEFC                             | 184JM                       | 213JM          | 215JM          | 254JM          |
| MOTOR FRAME ODP                              | 184JM                       | 213JM          | 215JM          | 254JM          |
| WEIGHT WITHOUT<br>OPTIONAL STAND<br>LBS (KG) | 322.9<br>(146)              | 383.4<br>(174) | 398.8<br>(181) | 525.6<br>(238) |
| WEIGHT WITH<br>OPTIONAL STAND<br>LBS (KG)    | 374.8<br>(170)              | 435.3<br>(197) | 450.7<br>(204) | 577.6<br>(262) |
| FLANGE SIZE ASA                              | 4 (102)                     |                |                |                |
| A*                                           | ANSI CLASS 125: 12.5 (318)  |                |                |                |
|                                              | ANSI CLASS 250: 12.82 (326) |                |                |                |
| B*                                           | ANSI CLASS 125: 12.5 (318)  |                |                |                |
|                                              | ANSI CLASS 250: 12.82 (326) |                |                |                |
| C                                            | 6.77 (172)                  |                |                |                |
| D                                            | 12.59 (320)                 |                |                |                |
| E MAX                                        | 15.26<br>(388)              | 16.64<br>(423) | 18.11<br>(460) | 20.05<br>(509) |
| F                                            | 7.29 (185)                  |                |                |                |
| G                                            | 8.44 (214)                  |                |                |                |
| J DIA                                        | 7.88<br>(200)               | 9.56<br>(243)  | 9.56<br>(243)  | 12.94<br>(329) |
| 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<br>Model Number | PEI Value        |     | Energy<br>Rating |
|---------------|---------------------------|------------------|-----|------------------|
| Bare Pump     | KV4009D-4P-BP             | PEI <sub>d</sub> | 0.9 | 10               |
| Pump + Motor  | KV4009D-4P-PM             | PEI <sub>d</sub> | 0.9 | 10               |

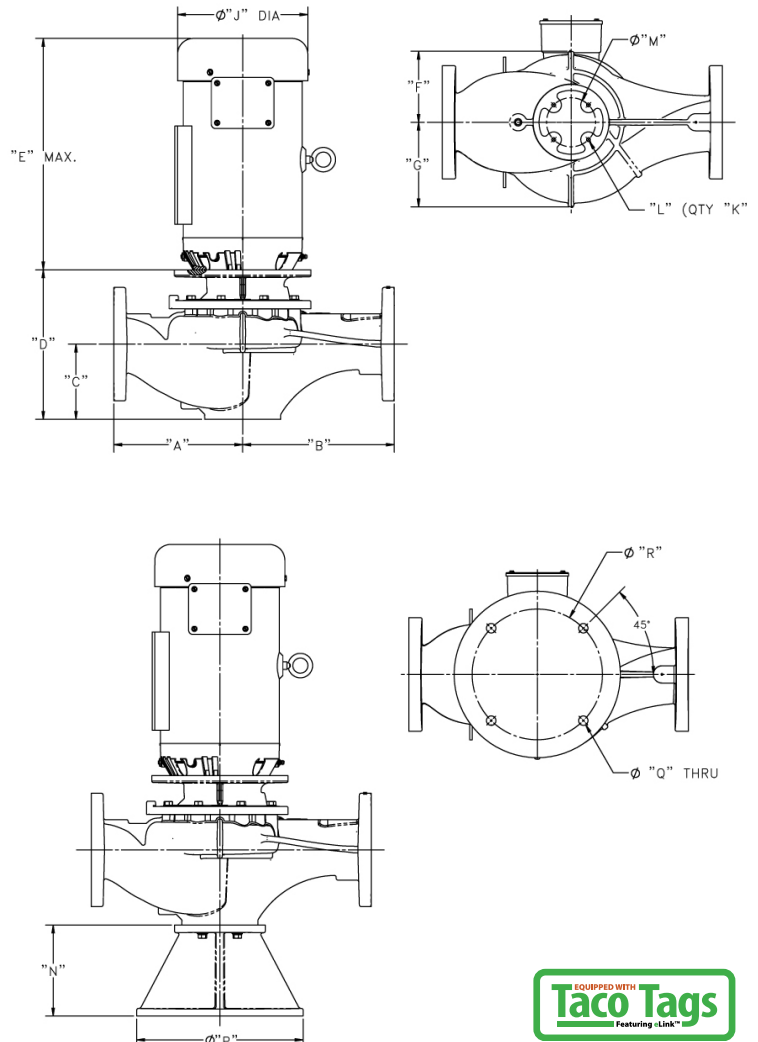
## OPERATING SPECIFICATIONS

| FLANGE            | PRESSURE                 | TEMPERATURE      |
|-------------------|--------------------------|------------------|
| ANSI Class<br>125 | 175 PSIG*<br>(1210 KPA)  | 250°F<br>(120°C) |
| ANSI Class<br>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 |

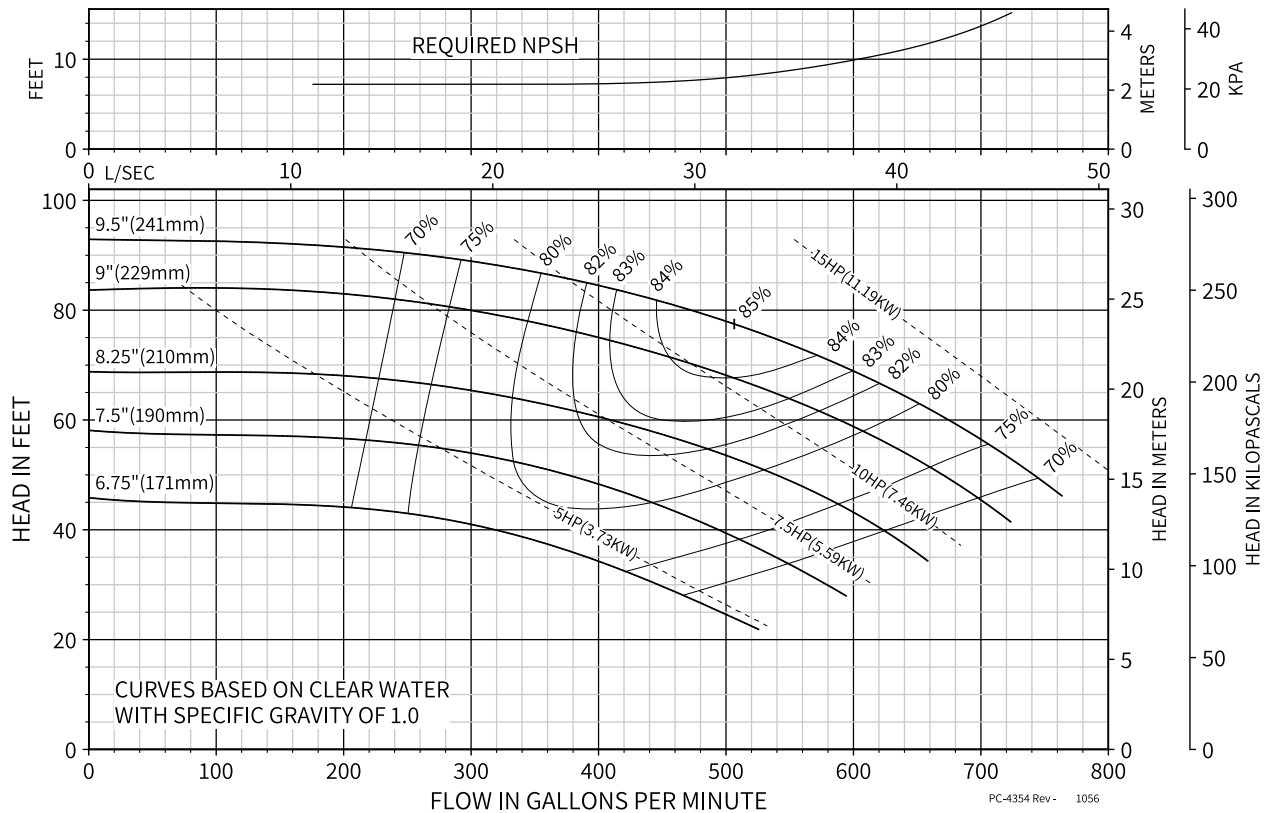
N/A - Not Available



## KV Series | Model: 4009D | 1760 RPM

Curve No. 4354 | Min. Imp. Dia. 6.75" | Size 4x4x9.5 | December 18, 2019

**Energy Efficiency Rating:** DOE Basic Model Number: KV4009D-4P-PM  
Pump & Motor:  $PE_{CL} = 0.9$  |  $ER_{CL} = 10$



### COMMENTS