

# KV Series Pump | Submittal Data

Vertical Close Coupled Pumps

Submittal No: 301-1200D I | Model: 2007D | RPM: 2900 - 50 Hz | Effective: October 7, 2019 | Supersedes: New

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

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

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

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

## PRODUCT DATA

ITEM NO. \_\_\_\_\_ MODEL NO. 2007D

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

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

HEAD/FT \_\_\_\_\_ RPM 2900

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. | 2007D

Flange Size (Suction x Discharge) | 2 x 2 (51 x 51)

| HORSEPOWER                                   | 5                          | 7.5             | 10              | 15    |
|----------------------------------------------|----------------------------|-----------------|-----------------|-------|
| MOTOR FRAME TEFC                             | 184JM                      | 213JM           | 215JM           | N/A   |
| MOTOR FRAME ODP                              | 182JM                      | 184JM           | 213JM           | 215JM |
| WEIGHT WITHOUT<br>OPTIONAL STAND<br>LBS (KG) | 208.98<br>(95)             | 268.8<br>(122)  | 284.2<br>(129)  |       |
| WEIGHT WITH<br>OPTIONAL STAND<br>LBS (KG)    | 229.85<br>(104)            | 289.85<br>(131) | 305.06<br>(138) |       |
| FLANGE SIZE ASA                              | 2 (51)                     |                 |                 |       |
| A*                                           | ANSI CLASS 125: 8.5 (216)  |                 |                 |       |
|                                              | ANSI CLASS 250: 8.76 (223) |                 |                 |       |
| B*                                           | ANSI CLASS 125: 8.5 (216)  |                 |                 |       |
|                                              | ANSI CLASS 250: 8.76 (223) |                 |                 |       |
| C                                            | 5 (127)                    |                 |                 |       |
| D                                            | 10.08 (256)                |                 |                 |       |
| E MAX                                        | 15.26<br>(388)             | 16.64<br>(423)  | 18.11 (460)     |       |
| F                                            | 4.86 (123)                 |                 |                 |       |
| G                                            | 5.46 (139)                 |                 |                 |       |
| J DIA                                        | 7.88<br>(200)              | 9.56 (243)      |                 |       |
| K                                            | 4                          |                 |                 |       |
| L                                            | 3/8-16 UNC-2B              |                 |                 |       |
| M                                            | 2.88 (73)                  |                 |                 |       |
| N                                            | 6 (152)                    |                 |                 |       |
| P                                            | 9.38 (238)                 |                 |                 |       |
| Q                                            | 0.63 (16)                  |                 |                 |       |
| R                                            | 7.75 (197)                 |                 |                 |       |

\*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     | KV2007D-2P-BP          | PEI <sub>d</sub> | 0.81† | 19†           |
| Pump + Motor  | KV2007D-2P-PM          | PEI <sub>d</sub> | 0.81† | 19†           |

†PEI/ER values based on 60Hz test.

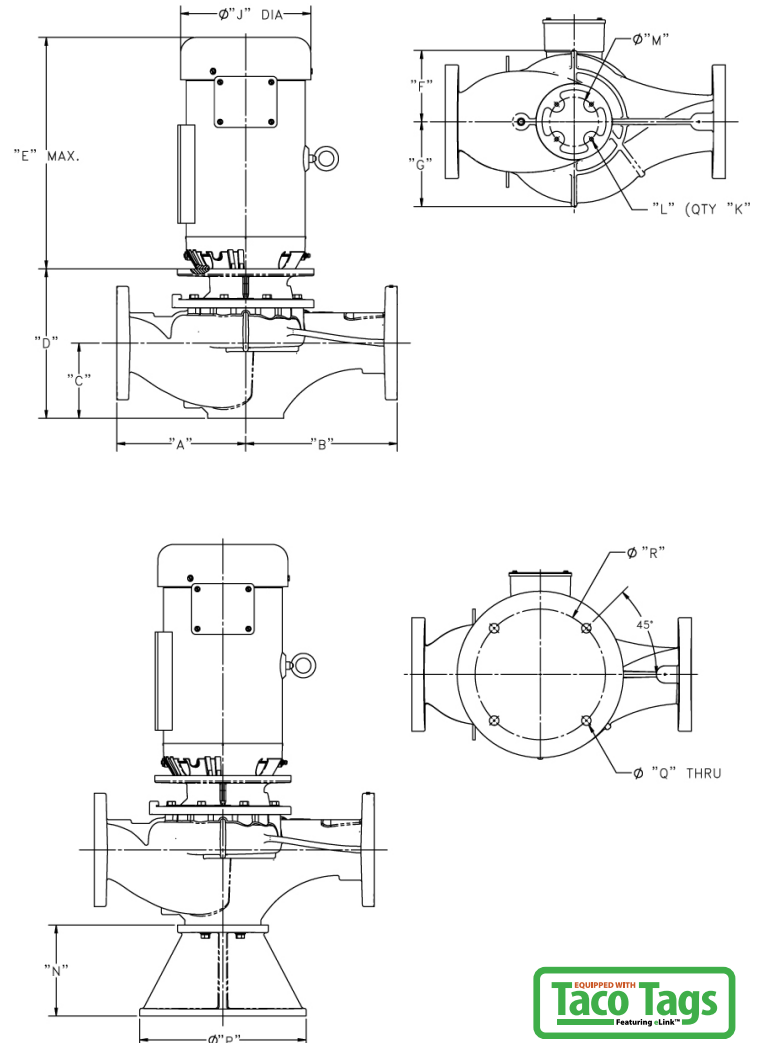
## OPERATING SPECIFICATIONS

| 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 (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 |
| 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     | 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                         | Carbon Steel | Bronze ASTM B584-98A C92200        | 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 |

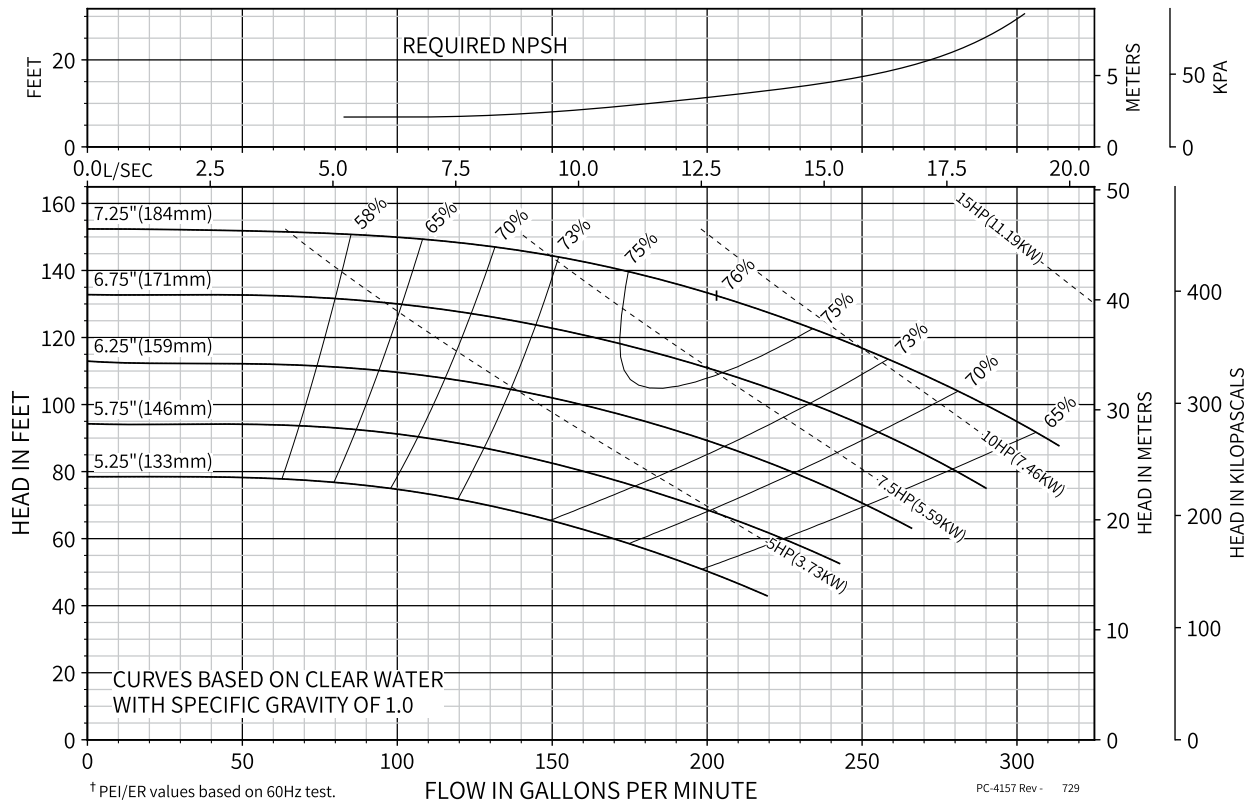
N/A - Not Available



## KV Series | Model: 2007D | 2900 RPM

Curve No. 4157 | Min. Imp. Dia. 5.25" | Size 2x2x7.25 | October 21, 2019

**Energy Efficiency Rating:** DOE Basic Model Number: KV2007D-2P-PM  
Pump & Motor:  $PE_{CL} = 0.81^{\dagger}$  |  $ER_{CL} = 19^{\dagger}$



## COMMENTS