

# KV Series Pump | Submittal Data

Vertical Close Coupled Pumps

Submittal No: 301-2508D | Model: 6007D | RPM: 1760 - 60 Hz | Effective: November 26, 2019 | Supersedes: New

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

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

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

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

## PRODUCT DATA

ITEM NO. \_\_\_\_\_ MODEL NO. 6007D

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. | 6007D

Flange Size (Suction x Discharge) | 6 x 6 (152 x 152)

| HORSEPOWER                                   | 5                           | 7.5            | 10             |
|----------------------------------------------|-----------------------------|----------------|----------------|
| MOTOR FRAME TEFC                             | 184JM                       | 213JM          | 215JM          |
| MOTOR FRAME ODP                              | 184JM                       | 213JM          | 215JM          |
| WEIGHT WITHOUT<br>OPTIONAL STAND<br>LBS (KG) | 379.9<br>(172)              | 439.7<br>(199) | 455.1<br>(206) |
| WEIGHT WITH<br>OPTIONAL STAND<br>LBS (KG)    | 451.9<br>(205)              | 511.8<br>(232) | 527.2<br>(239) |
| FLANGE SIZE ASA                              | 6 (152)                     |                |                |
| A*                                           | ANSI CLASS 125: 14.56 (370) |                |                |
|                                              | ANSI CLASS 250: 14.94 (379) |                |                |
| B*                                           | ANSI CLASS 125: 14.06 (357) |                |                |
|                                              | ANSI CLASS 250: 14.5 (368)  |                |                |
| C                                            | 7.42 (188)                  |                |                |
| D                                            | 14.50 (368)                 |                |                |
| E MAX                                        | 15.26<br>(388)              | 16.64<br>(423) | 18.11<br>(460) |
| F                                            | 7.01 (178)                  |                |                |
| G                                            | 8.56 (217)                  |                |                |
| J DIA                                        | 7.88 (200)                  | 9.56 (243)     |                |
| K                                            | 4                           |                |                |
| L                                            | 3/8-16 UNC-2B               |                |                |
| M                                            | 6 (152)                     |                |                |
| N                                            | 6.75 (171)                  |                |                |
| P                                            | 14.38 (365)                 |                |                |
| Q                                            | 0.75 (19)                   |                |                |
| R                                            | 11.88 (302)                 |                |                |

\*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     | KV6007D-4P-BP             | PEI <sub>d</sub> | 0.90 | 10               |
| Pump + Motor  | KV6007D-4P-PM             | PEI <sub>d</sub> | 0.90 | 10               |

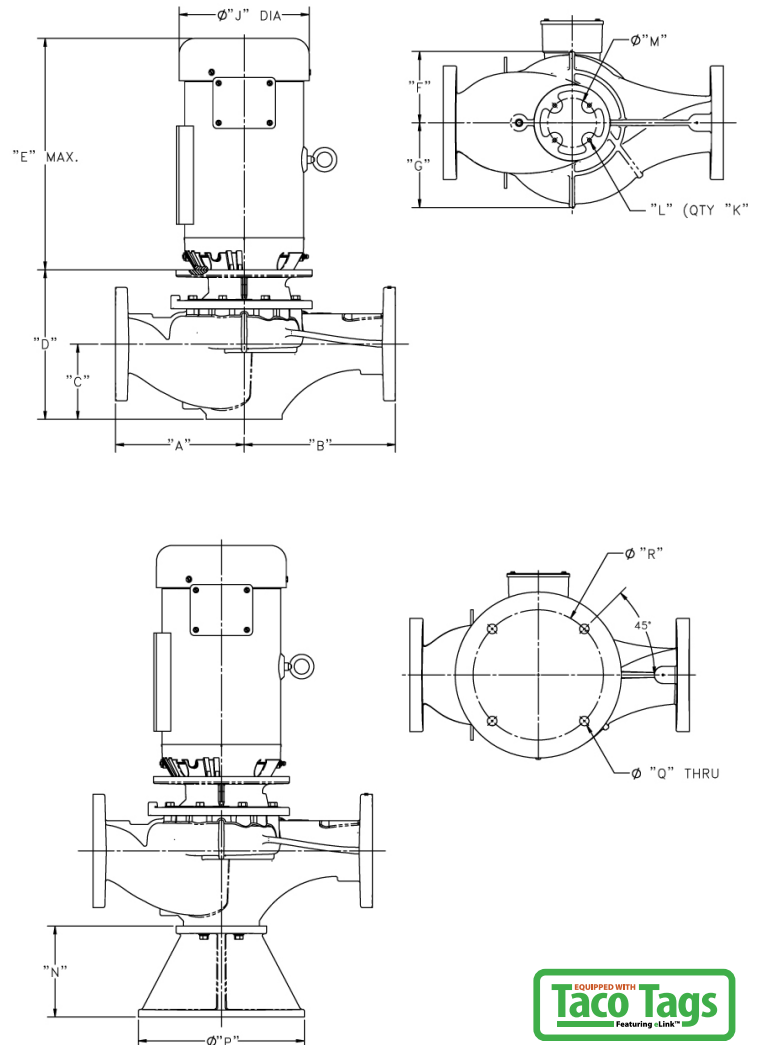
## OPERATING SPECIFICATIONS

| 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 |

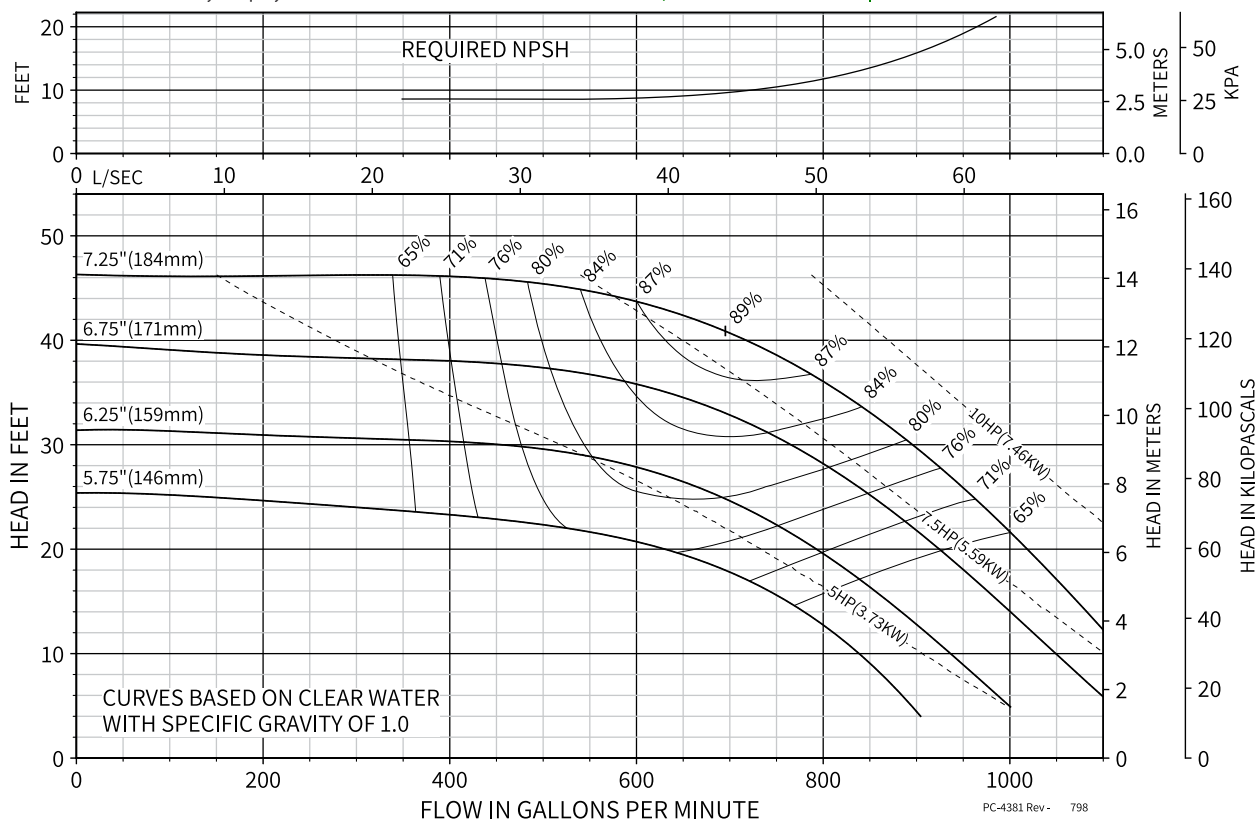
N/A - Not Available



## KV Series | Model: 6007D | 1760 RPM

Curve No. 4381 | Min. Imp. Dia. 5.75" | Size 6x6x7.25 | November 18, 2019

**Energy Efficiency Rating:** DOE Basic Model Number: KV6007D-4P-PM  
Pump & Motor:  $PE_{CL} = 0.9$  |  $ER_{CL} = 10$



## COMMENTS