

KS Series Pump | Submittal Data

Vertical Split Coupled Pumps

Submittal No: 301-1145D | Model: 3009D | RPM: 1160 - 60 Hz | Effective: December 31, 2019 | Supersedes: New

JOB: _____

REPRESENTATIVE: _____

ENGINEER: _____

CONTRACTOR: _____

PRODUCT DATA

ITEM NO. _____ MODEL NO. 3009D

IMPELLER DIAMETER _____ HORSEPOWER _____

GPM _____ VOLTAGE _____

HEAD/FT _____ RPM 1160

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. | 3009D

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

HORSEPOWER	1	1.5	2	3
MOTOR FRAME TEFC	145TC	182TC	184TC	213TC
MOTOR FRAME ODP	145TC	182TC	184TC	213TC
WEIGHT WITHOUT OPTIONAL STAND LBS (KG)	260.04 (114)	283.14 (128)	311.74 (141)	366.74 (166)
WEIGHT WITH OPTIONAL STAND LBS (KG)	288.2 (131)	311.3 (141)	339.9 (154)	394.9 (179)
FLANGE SIZE ASA	3 (76)			
A*	ANSI CLASS 125: 10.5 (267)			
	ANSI CLASS 250: 10.87 (276)			
B*	ANSI CLASS 125: 10.5 (267)			
	ANSI CLASS 250: 10.87 (276)			
C	6.13 (156)			
D	18.10 (460)	18.44 (468)		
E MAX	13.41 (341)	15.43 (392)		18.14 (461)
F	6.22 (158)			
G	6.90 (175)			
J DIA	7.19 (183)	8.6 (218)		10.28 (261)
K	4			
L	5/16-18 UNC-2B			
M	3.25 (83)			
N	6.02 (153)			
P	11 (279)			
Q	0.63 (16)			
R	9.25 (235)			

Configuration	DOE Basic Model Number	PEI Value		Energy Rating
Bare Pump	N/A	PEI _d	N/A	N/A
Pump + Motor	N/A	PEI _d	N/A	N/A

N/A=NOT WITHIN DOE SCOPE

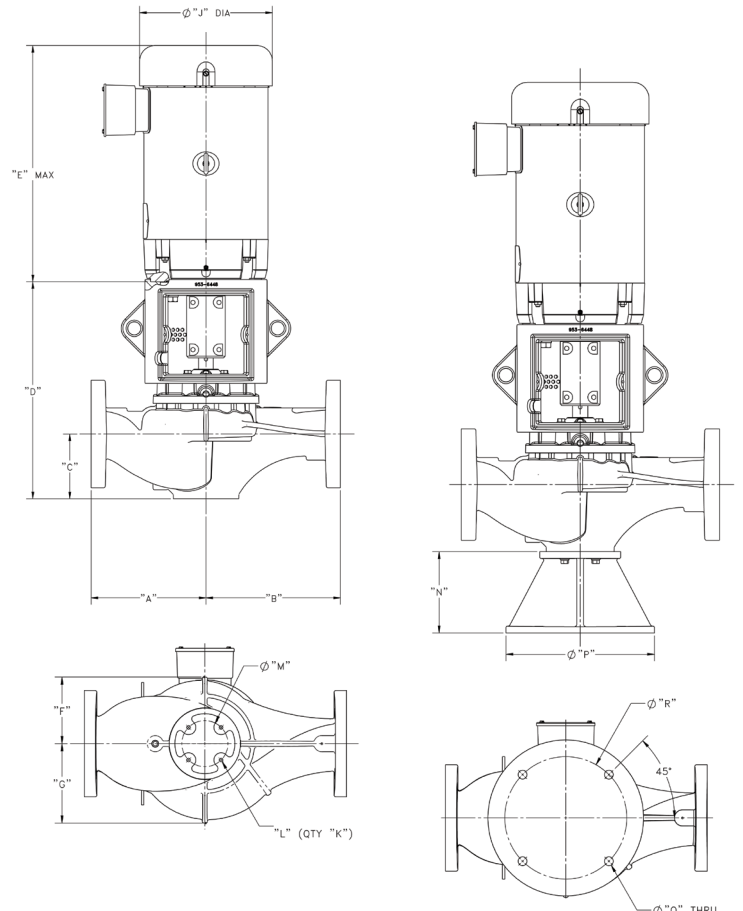
OPERATING SPECIFICATIONS

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



*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.

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"TT" 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"TT" 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"TT" 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"TT" 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



REQUIRED NPSH

FEET

METERS

0.0 L/SEC 2.5 5.0 7.5 10.0 12.5 15.0 17.5 20.0

0.0 2.5 5.0

0 10 20

HEAD IN FEET

HEAD IN METERS

HEAD IN KILOPASCALS

9.5" (241mm)

9" (229mm)

8.25" (210mm)

7.5" (190mm)

6.75" (171mm)

65%

70%

74%

76%

78%

79%

79.5%

79%

78%

76%

74%

70%

65%

3HP (2.24kW)

2HP (1.49kW)

1.5HP (1.12kW)

1HP (0.75kW)

CURVES BASED ON CLEAR WATER
WITH SPECIFIC GRAVITY OF 1.0

0 50 100 150 200 250 300 350

0 2 4 6 8 10 12 14

0 20 40 60 80 100 120 140

0 50 100 150 200 250 300 350

PC-4351 Rev - 1074