KS Series Pump | Submittal Data

Vertical Split Coupled Pumps

Submittal No: 301-1174D | **Model:** 4009D | **RPM:** 3500 - 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** 3500

WEIGHT _____ **PUMP/MOTOR** _____

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

Configuration	DOE Basic Model Number	PEI Value		Energy Rating
Bare Pump	KS4009D-2P-BP	PEI_{cl}	0.88	12
Pump + Motor	KS4009D-2P-PM	PEI_{cl}	0.88	12

OPERATING SPECIFICATIONS

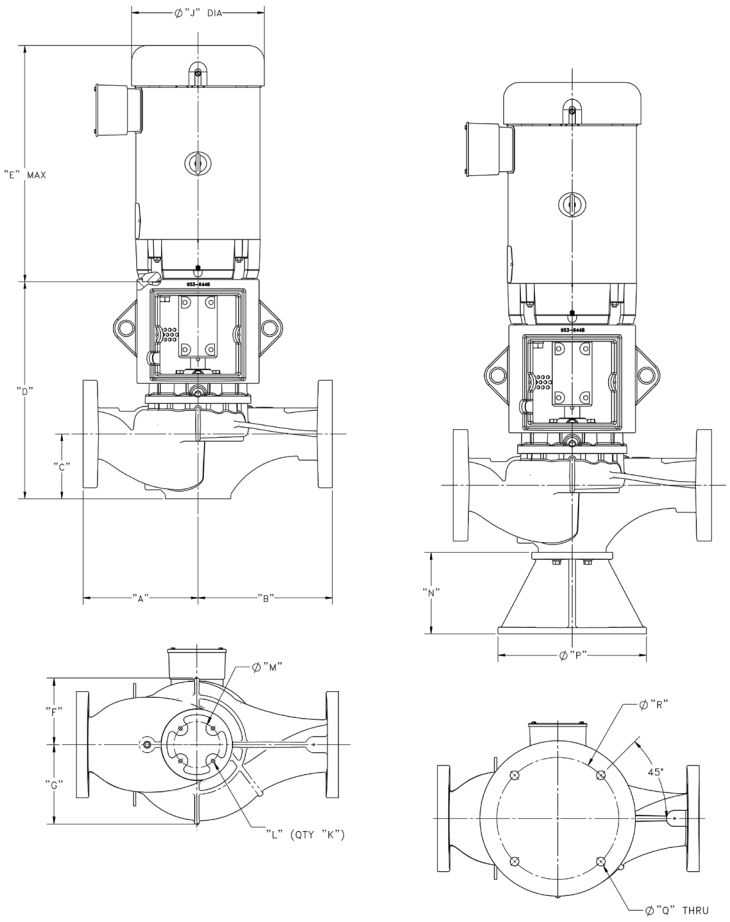
FLANGE	PRESSURE	TEMPERATURE
ANSI Class 125	175 PSIG* (1210 KPA)	250°F (120°C)
ANSI Class 250	300 PSIG** (2070 KPA)	250°F (120°C)

Motors: All NEMA Standard (TC Frame)
* In accordance with ANSI Standard B16.1 Class 125
** In accordance with ANSI Standard B16.1 Class 250

DIMENSIONS

Model No. | 4009D
Flange Size (Suction x Discharge) | 4 x 4 (102 x 102)

HORSEPOWER	40	50	60	75
MOTOR FRAME TEFC	324TSC	326TSC	364TSC	365TSC
MOTOR FRAME ODP	286TSC	324TSC	326TSC	364TSC
WEIGHT WITHOUT OPTIONAL STAND LBS (KG)	833.88 (378)	952.68 (432)	1229.88 (558)	1312.38 (595)
WEIGHT WITH OPTIONAL STAND LBS (KG)	885.83 (402)	1004.63 (456)	1281.83 (581)	1364.33 (619)
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	24.10 (612)			
E MAX	25.28 (642)		27.81 (706)	
F	7.29 (185)			
G	8.44 (214)			
J DIA	16.88 (429)		19.5 (495)	
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.

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"T" 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"T" 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

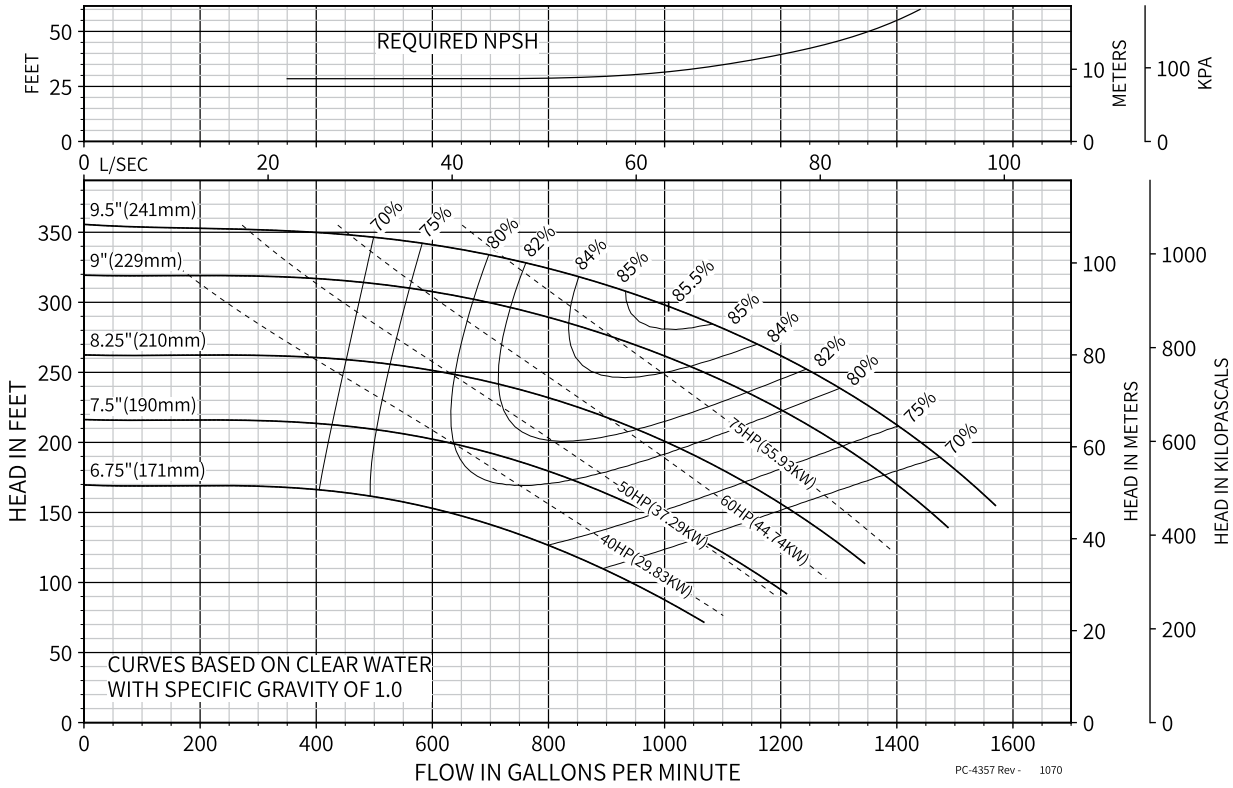
N/A - Not Available

KS Series | Model: 4009D | 3500 RPM

Curve No. 4357 | Min. Imp. Dia. 6.75" | Size 4x4x9.5 | December 18, 2019

Energy Efficiency Rating: DOE Basic Model Number: KS4009D-2P-PM

Pump & Motor: PEI_{CL}: 0.88 | ER_{CL}: 12



COMMENTS

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