KV Series Pump | Submittal Data

Vertical Close Coupled Pumps

Submittal No: 301-1610 I | **Model:** 1509 | **RPM:** 1450 - 50 Hz | **Effective:** January 27, 2020 | **Supersedes:** May 31, 2017

JOB: _____ **REPRESENTATIVE:** _____

ENGINEER: _____ **CONTRACTOR:** _____

PRODUCT DATA

ITEM NO. _____ **MODEL NO.** 1509

IMPELLER DIAMETER _____ **HORSEPOWER** _____

GPM _____ **VOLTAGE** _____

HEAD/FT _____ **RPM** 1450

WEIGHT _____ **PUMP/MOTOR** _____

NSF 61 CERTIFIED ☐ YES ☐ NO **SUPPORT STAND OPTION** (Ductile Iron ASTM A536-84 Grade 65-45-12) ☐ YES ☐ NO

DIMENSIONS

Model No. | 1509
Flange Size (Suction x Discharge) | 1 1/2 x 1 1/2 (38 x 38)

HORSEPOWER	1	1.5	2	3
MOTOR FRAME	143JM	145JM		182JM
WEIGHT WITHOUT OPTIONAL STAND LBS (KG)	165 (75)			209 (95)
WEIGHT WITH OPTIONAL STAND LBS (KG)	175 (79)			219 (99)
FLANGE SIZE ASA	1.5 (38)			
A*	ANSI CLASS 125: 8 (203)			
	ANSI CLASS 250: 8.31 (211)			
B*	ANSI CLASS 125: 8 (203)			
	ANSI CLASS 250: 8.31 (211)			
C	4.36 (111)			
D	9.19 (233)			
E MAX	12.06 (306)	13.43 (341)		13.94 (354)
F	5.72 (145)			
G	6.22 (158)			
H	0.25 (6)			
J DIA	6.62 (168)			7.88 (200)

*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	KV1509A-4P-BP	PEI_{cl}	0.88†	12†
Pump + Motor	KV1509A-4P-PM	PEI_{cl}	0.88†	12†

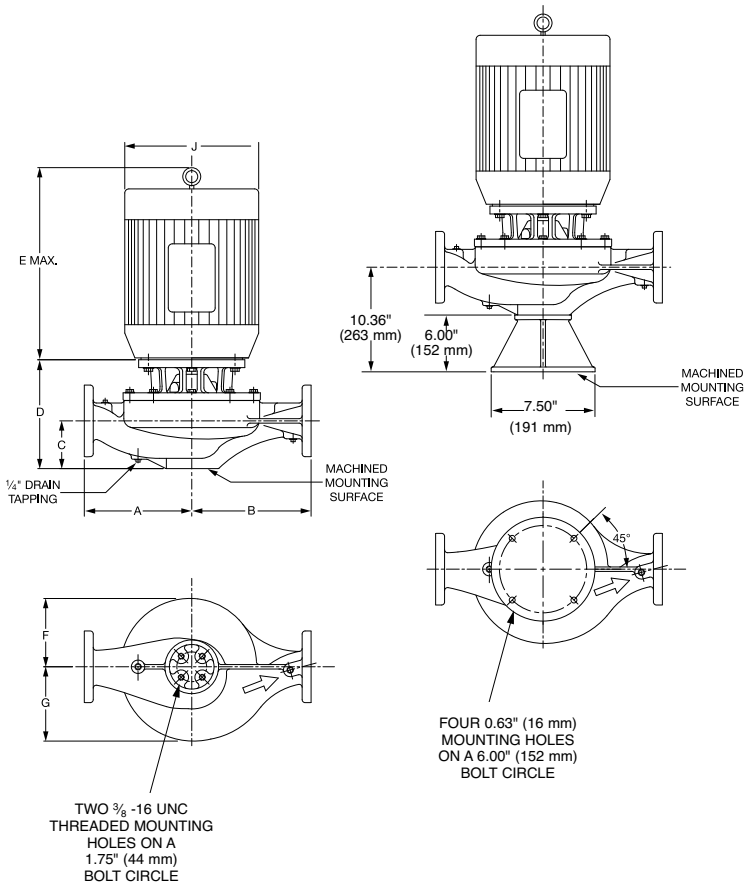
†PEI/ER values based on 60Hz test.

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

PUMP WITH OPTIONAL SUPPORT STAND

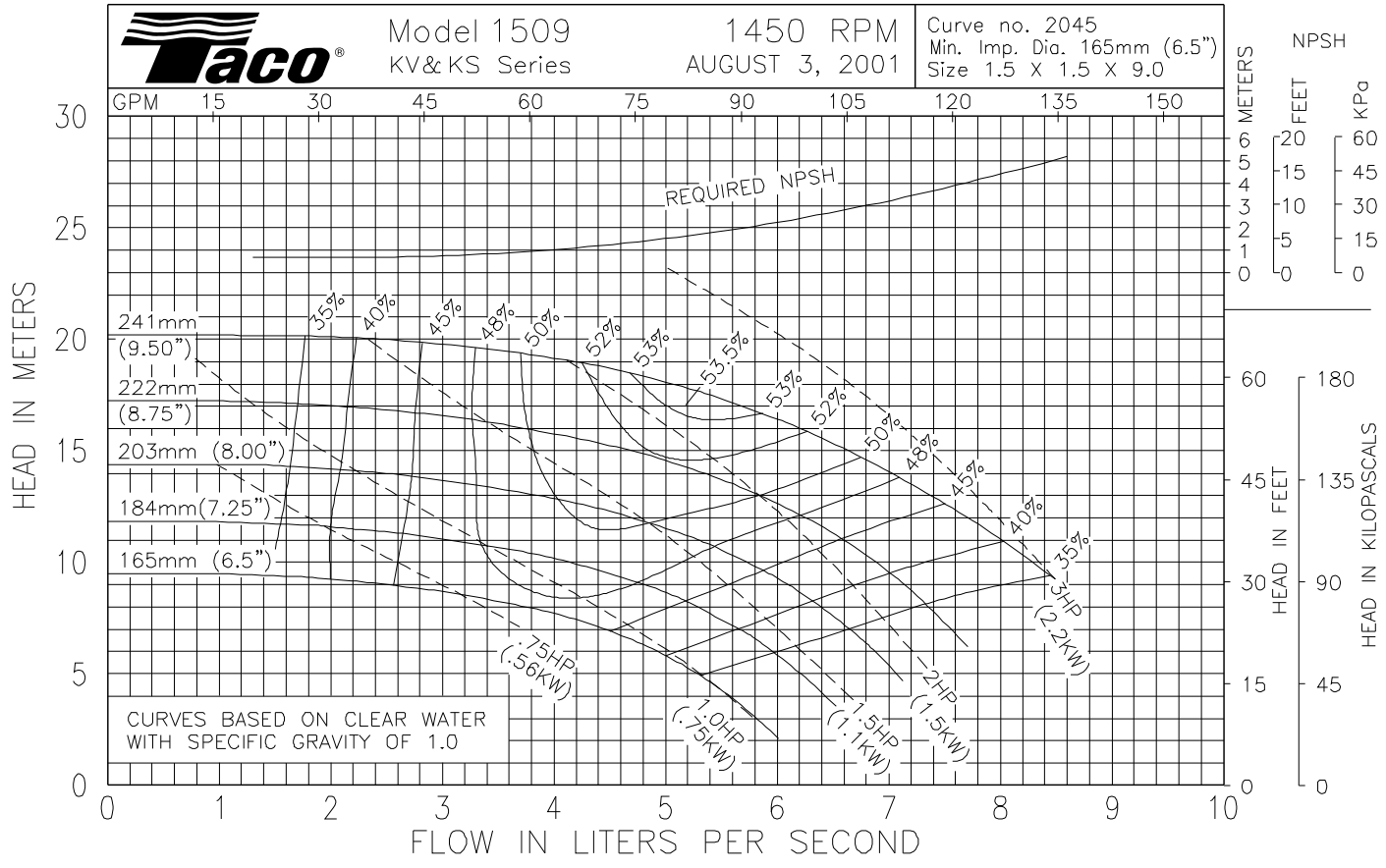


MATERIALS OF CONSTRUCTION

	BRONZE FITTED			NSF 61		
	STANDARD PUMP CONSTRUCTION		OPTIONAL 125# or 250#	STANDARD PUMP CONSTRUCTION		OPTIONAL 125# or 250#
	125# Flange	250# Flange		125# Flange	250# Flange	
Casing	Cast Iron ASTM A48/ A48M-03 Class 30A	Ductile Iron ASTM A536-84 Grade 65-45-12	N/A	Cast Iron ASTM A48/ A48M-03 Class 30A	Ductile Iron ASTM A536-84 Grade 65-45-12	N/A
Impeller	Bronze ASTM B584 ALLOY C83600 or C84400	Bronze ASTM B584 ALLOY C83600 or C84400	N/A	Stainless Steel ASTM A351/A 351M-08	Stainless Steel ASTM A351/A 351M-08	N/A
Wear Ring	N/A	N/A	Bronze ASTM B584-98A C92200	N/A	N/A	Bronze ASTM B584-98A C92200
Shaft	Carbon Steel	Carbon Steel	N/A	Carbon Steel	Carbon Steel	N/A
Shaft Sleeve	Bronze ASTM B584-98A C92200	Bronze ASTM B584-98A C92200	Stainless Steel TYPE 303 ASTM A276	Bronze ASTM B584-98A C92200	Bronze ASTM B584-98A C92200	N/A
Mechanical Seal	Ceramic/EPT	Ceramic/EPT	Tungsten Carbide/EPT or Silicon-Carbide/EPT	Ceramic/EPT	Ceramic/EPT	N/A
Seal Flush Line Assembly	Copper & Brass C3600	Copper & Brass C3600	N/A	Copper & Brass C3600	Copper & Brass C3600	N/A

N/A = Not Available

Revised: 05-31-2017



COMMENTS

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