

KS Series Pump | Submittal Data

Vertical Split Coupled Pumps

Submittal No: 301-1612 | 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 YES NO
(Ductile Iron ASTM A536-84 Grade 65-45-12)

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	143CZ	145CZ		182CZ
WEIGHT WITHOUT OPTIONAL STAND LBS (KG)		226 (102)		264 (120)
WEIGHT WITH OPTIONAL STAND LBS (KG)		236 (107)		274 (124)
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	15.05 (382)			
E MAX	13.05 (331)	14.05 (357)		15.64 (397)
F	5.72 (145)			
G	6.22 (158)			
H	0.25 (6)			
J DIA	7.05 (179)		8.49 (216)	

*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	KS1509A-4P-BP	PEI _d	0.88†	12†
Pump + Motor	KS1509A-4P-PM	PEI _d	0.88†	12†

†PEI/ER values based on 60Hz test.

OPERATING SPECIFICATIONS

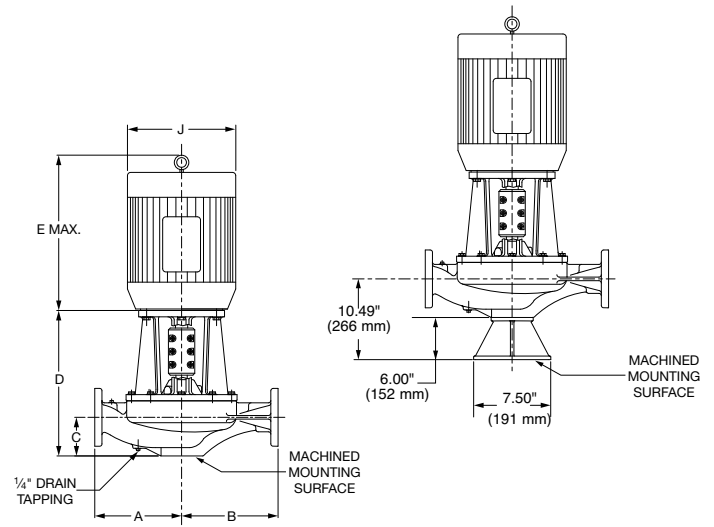
FLANGE	PRESSURE	TEMPERATURE
ANSI Class 125	175 PSIG* (1210 KPA)	250°F (120°C)
ANSI Class 250	300 PSIG** (2070 KPA)	250°F (120°C)

Motors: All NEMA Standard (CZ Frame)

* In accordance with ANSI Standard B16.1 Class 125

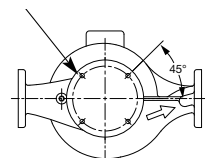
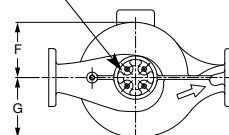
** In accordance with ANSI Standard B16.1 Class 250

PUMP WITH OPTIONAL SUPPORT STAND



FOUR 0.63" (16 mm)
MOUNTING HOLES
ON A 6.00" (152 mm)
BOLT CIRCLE

TWO 3/8 -16 UNC
THREADED MOUNTING
HOLES ON A
1.75" (44 mm)
BOLT CIRCLE

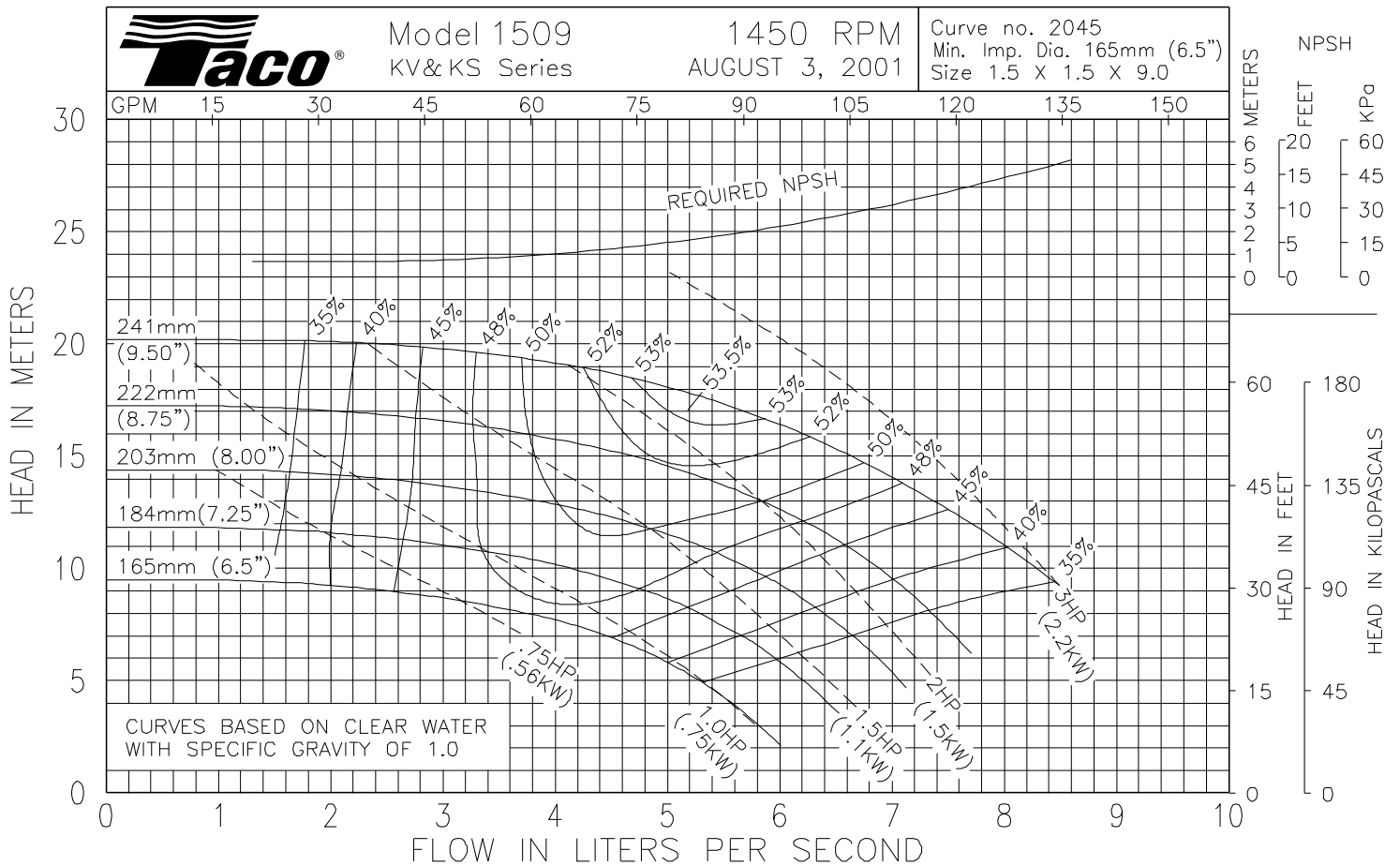


MATERIALS OF CONSTRUCTION

	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	Stainless Steel TYPE 416"Ti" or 410"Ti" ASTM A582	Stainless Steel TYPE 416"Ti" or 410"Ti" ASTM A582	N/A	Stainless Steel TYPE 416"Ti" or 410"Ti" ASTM A582	Stainless Steel TYPE 416"Ti" or 410"Ti" ASTM A582	N/A
Coupling	Aluminum Alloy 6061-T6	Aluminum Alloy 6061-T6	N/A	Aluminum Alloy 6061-T6	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	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