

KV Series Pump | Submittal Data

Vertical Close Coupled Pumps

Submittal No: 301-1121 | Model: 1509 | RPM: 1160 - 60 Hz | Effective: October 27, 2021 | Supersedes: January 27, 2020

JOB: _____

REPRESENTATIVE: _____

ENGINEER: _____

CONTRACTOR: _____

PRODUCT DATA

ITEM NO. _____ MODEL NO. 1509

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. | 1509

Flange Size (Suction x Discharge) | 1 1/2 x 1 1/2 (38 x 38)

HORSEPOWER	1	1.5
MOTOR FRAME	145JM	182JM
WEIGHT WITHOUT OPTIONAL STAND LBS (KG)	163 (74)	173 (78)
WEIGHT WITH OPTIONAL STAND LBS (KG)	192 (87)	202 (92)
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	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	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

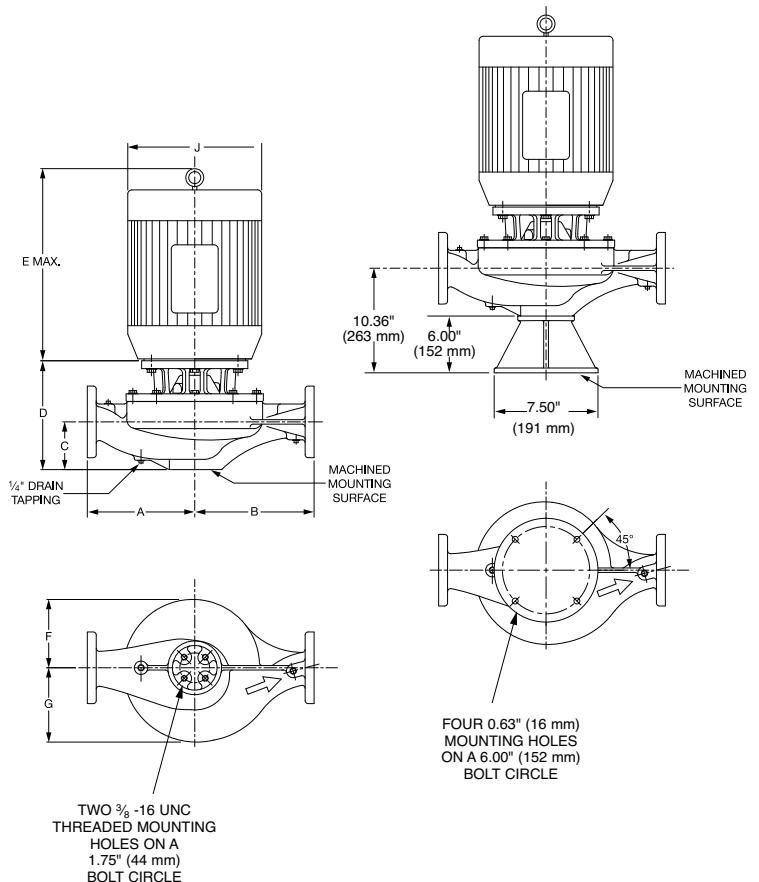
FLANGE	PRESSURE	TEMPERATURE
ANSI Class 125	175 PSIG* (1210 KPA)	250°F (120°C)
ANSI Class 250	300 PSIG** (2070 KPA)	250°F (120°C)

Motors: All NEMA Standard (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

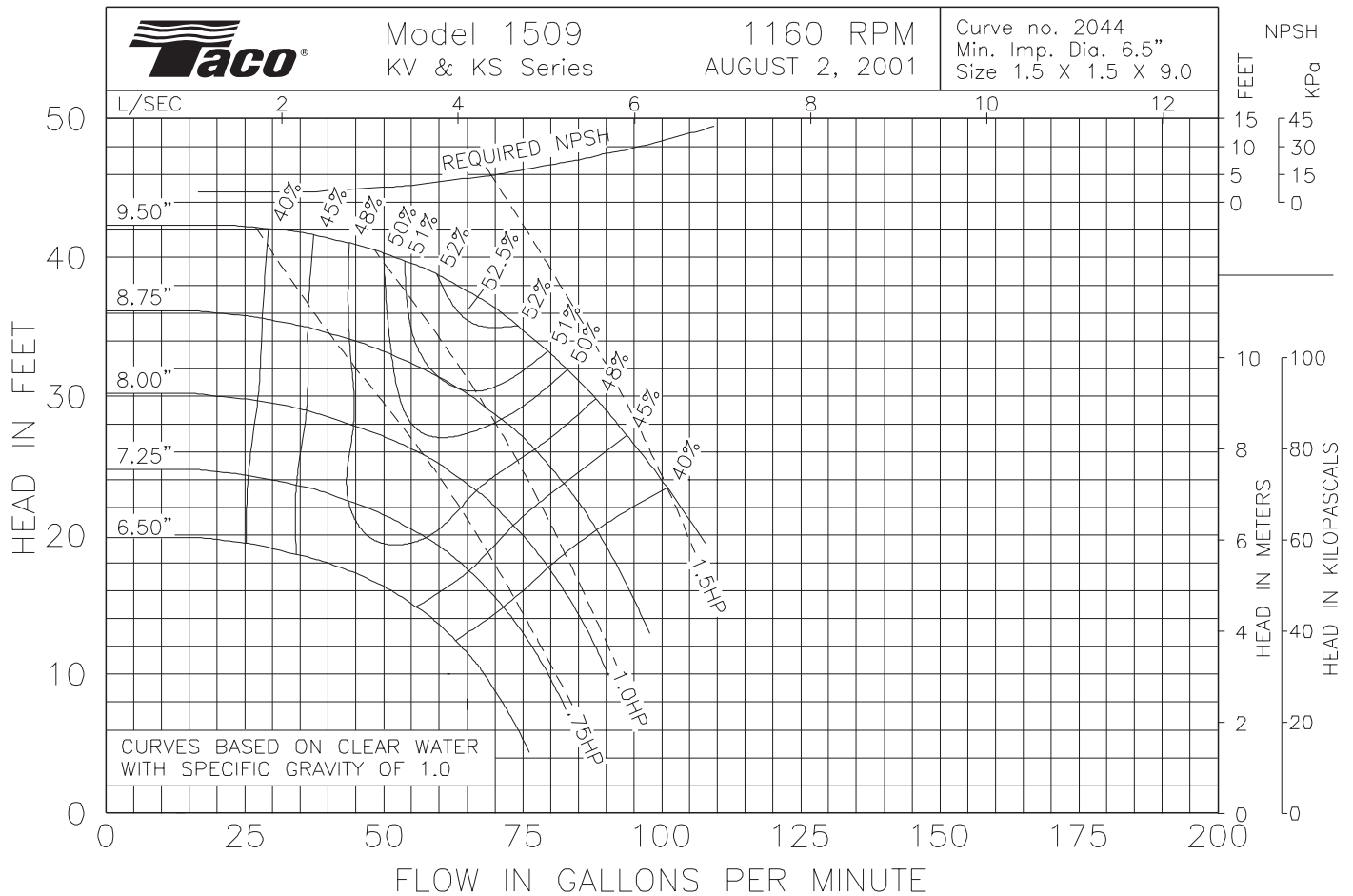


MATERIALS OF CONSTRUCTION

	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