SKS Series Pump | Submittal Data

Submittal No: 301-S422 | **Model:** SKS3009D | **RPM:** 3500 | **HP:** 40HP | **Effective:** May 6, 2020 | **Supersedes:** NEW

JOB: _____ **REPRESENTATIVE:** _____

ENGINEER: _____ **CONTRACTOR:** _____

PRODUCT DATA

ITEM NO. _____ **DOE BASIC MODEL NO.** SKS3009D-A-2P-PD

MODEL NO. _____ **VOLTAGE** _____ **PEI$_{VL}$** 0.43 **HI ENERGY RATING** 57

IMPELLER DIA. _____ **WEIGHT** _____

GPM _____ **PUMP/MOTOR** _____

HEAD/FT _____ **FREQUENCY** _____

RPM 3500 **HP** 40 **PHASE** _____

NSF 61 CERTIFIED* ☐ YES ☐ NO
*Not configurable as a standard option; please contact your account manager to configure.

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

OPERATING SPECIFICATIONS

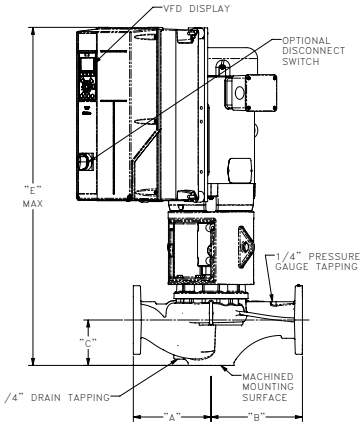
FLANGE	PRESSURE	TEMPERATURE
ANSI Class 125	175 PSIG* (1210 KPA)	250°F (120°C)
ANSI Class 250	300 PSIG** (2070 KPA)	250°F (120°C)

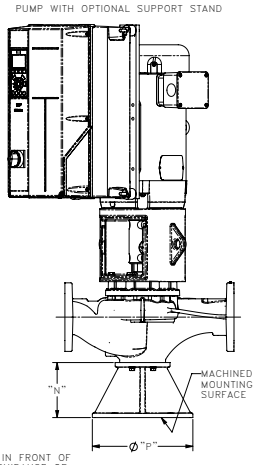
* In accordance with ANSI Standard B16.1 Class 125
** In accordance with ANSI Standard B16.1 Class 250

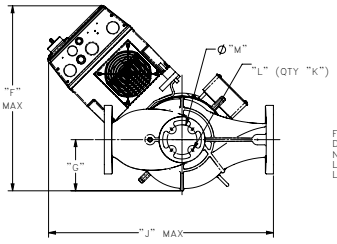
DIMENSIONS

Model No. | 3009D
Flange Size (Suction x Discharge) | 3 x 3 (76 x 76)

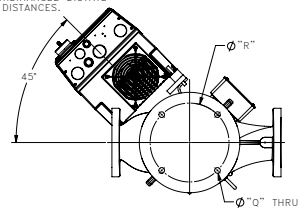
HORSEPOWER	40
MOTOR FRAME TEFC	324TSC
MOTOR FRAME ODP	286TSC
WEIGHT WITHOUT OPTIONAL STAND LBS (KG)	910.33 (413)
WEIGHT WITH OPTIONAL STAND LBS (KG)	938.5 (426)
FLANGE SIZE ASA	3 (76)
A*	ANSI CLASS 125: 10.5 (267)
	ANSI CLASS 250: 10.87 (276)
B*	ANSI CLASS 125: 10.5 (267)
	ANSI CLASS 250: 10.87 (276)
C	6.13 (156)
E MAX	50.93 (1294)
F MAX	26.03 (661)
G	6.90 (175)
J MAX	29.63 (753)
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)







FOR CLEARANCE IN FRONT OF DRIVE, FOLLOW GUIDANCE OF NATIONAL ELECTRIC CODE UNLESS LOCAL ORDINANCES DICTATE LARGER DISTANCES.



*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.

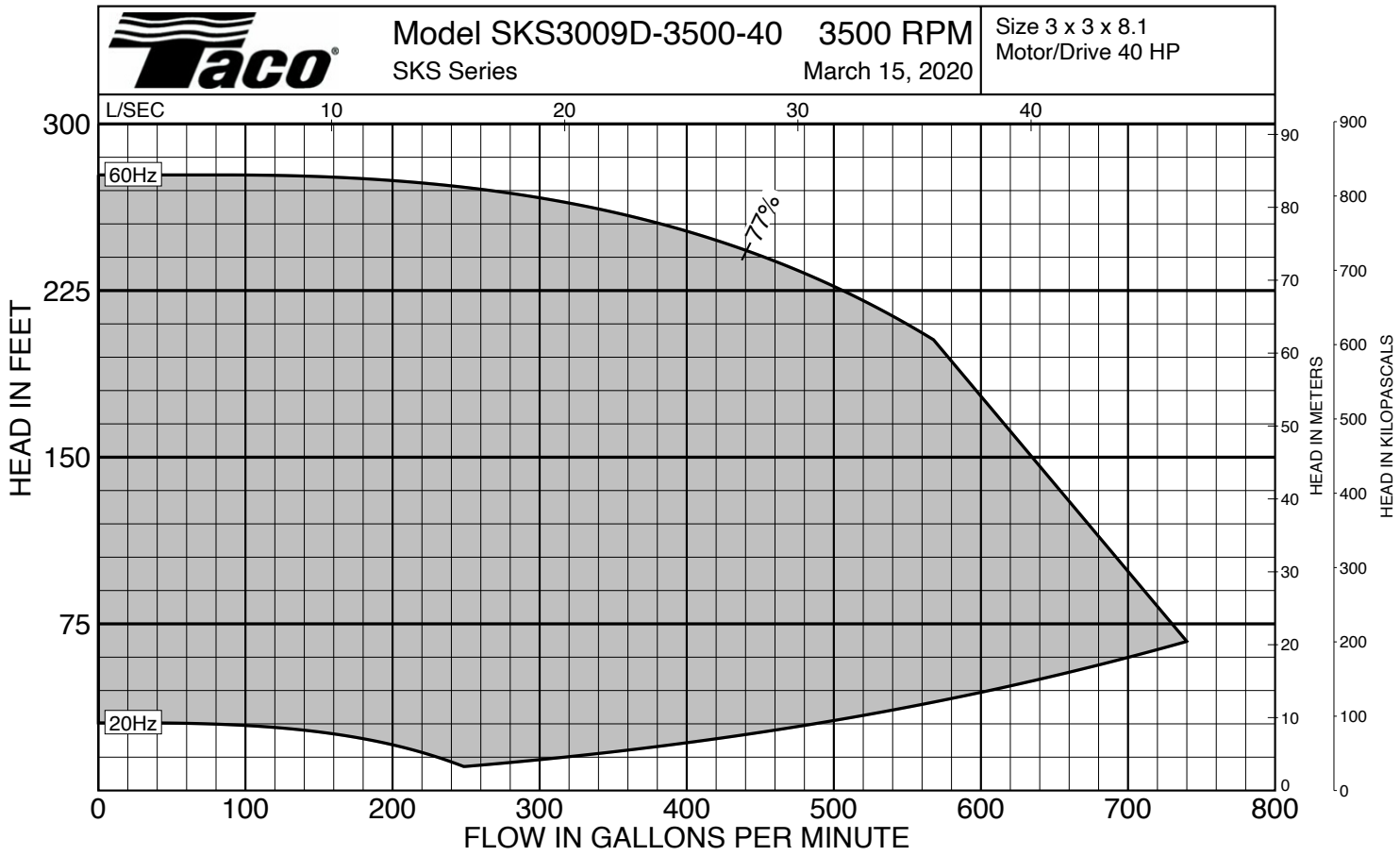
MATERIALS OF CONSTRUCTION			CASING	COVER	IMPELLER	WEAR RING	SHAFT	COUPLING	MECHANICAL SEAL	SEAL FLUSH LINE ASSEMBLY	SUPPORT STAND
STANDARD CONSTRUCTION	BRONZE FITTED	125# FLANGE	Cast Iron ASTM A48/A48M-03 Class 30A	Cast Iron ASTM A48/A48M-03 Class 30A	Bronze ASTM B584 ALLOY C83600 or C84400	N/A	Stainless 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
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"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	Stainless Steel ASTM A351/A 351M-08	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	N/A	Bronze ASTM B584-98A C92200	N/A	N/A	N/A	N/A	Ductile Iron ASTM A536-84 Grade 65-45-12

N/A - Not Available

DRIVE DATA

PROTOCOLS (Standard)	BACnet, Modbus RTU, N2 Metasys, FLN Apogee, FC Protocol
PROTOCOLS (Optional)	☐ LonWorks® ☐ DeviceNet ☐ Profibus
ENCLOSURE	☐ NEMA Type 12 / IP55 ☐ NEMA Type 4X / IP66
I/O (Standard)	6 Digital Inputs / 2 Digital Outputs 1 Analog Current Output / 2 Analog Inputs 2 Pulse Inputs 2 Form C Relays
ADDITIONAL CONTROL OPTIONS	☐ None ☐ General Purpose I/O ☐ Relay Card ☐ 24VDC Supply ☐ Analog I/O
DISCONNECT SWITCH	☐ Mechanical ☐ Fused
EMC/RFI CONTROL	Intergated filter designed to meet EN61800-3
HARMONIC SUPPRESSION	Dual DC-link chokes (Equivalent: 5% AC line reactor) Supporting IEEE 519-1992 requirements
COOLING	Fan-cooled through back channel
AMBIENT TEMPERATURE	-10°C to 45°C up to 1000 meters above sea level -14°F to 113°F up to 3300 feet above sea level

COMMENTS



Curves based on Clear Water @ 60F with a Specific Gravity of 1.0

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