SKS Series Pump | Submittal Data

Submittal No: 301-S406 | **Model:** SKS1507D | **RPM:** 3500 | **HP:** 15HP | **Effective:** May 6, 2020 | **Supersedes:** NEW

JOB: _____ **REPRESENTATIVE:** _____

ENGINEER: _____ **CONTRACTOR:** _____

PRODUCT DATA

ITEM NO. _____ **DOE BASIC MODEL NO.** SKS1507D-A-2P-PD

MODEL NO. _____ **VOLTAGE** _____ **PEI$_{VL}$** 0.42 **HI ENERGY RATING** 58

IMPELLER DIA. _____ **WEIGHT** _____

GPM _____ **PUMP/MOTOR** _____

HEAD/FT _____ **FREQUENCY** _____

RPM 3500 **HP** 15 **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

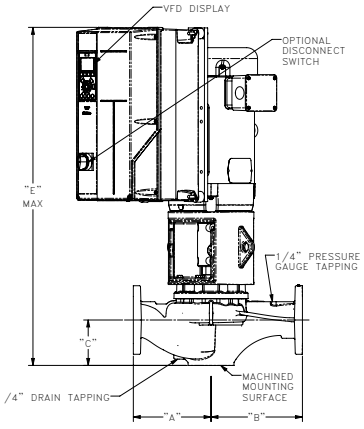
FLANGE	PRESSURE	TEMPERATURE
ANSI Class 125	175 PSIG* (1210 KPA)	250°F (120°C)
ANSI Class 250	300 PSIG** (2070 KPA)	250°F (120°C)

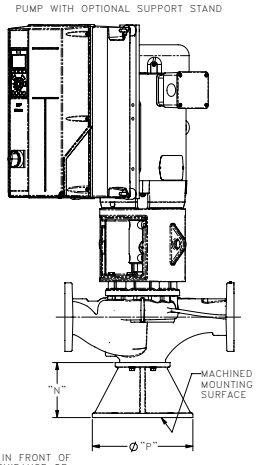
* In accordance with ANSI Standard B16.1 Class 125
** In accordance with ANSI Standard B16.1 Class 250

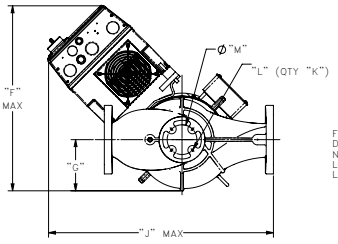
DIMENSIONS

Model No. | 1507D
Flange Size (Suction x Discharge) | 1.5 x 1.5 (38 x 38)

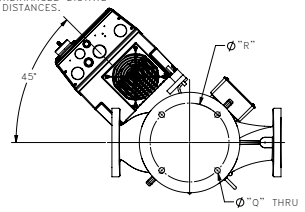
HORSEPOWER	15
MOTOR FRAME TEFC	N/A
MOTOR FRAME ODP	215TC
WEIGHT WITHOUT OPTIONAL STAND LBS (KG)	397 (180)
WEIGHT WITH OPTIONAL STAND LBS (KG)	408 (185)
FLANGE SIZE ASA	1.5 (38)
A*	ANSI CLASS 125: 8 (203)
	ANSI CLASS 250: 8.31 (211)
B*	ANSI CLASS 125: 8 (203)
	ANSI CLASS 250: 8.31 (211)
C	4.51 (115)
E MAX	43.33 (1101)
F MAX	20.21 (514)
G	5.31 (135)
J MAX	22.92 (582)
K	2
L	3/8-16 UNC-2B
M	1.75 (44)
N	6 (152)
P	7.5 (191)
Q	.63 (16)
R	6 (152)







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.

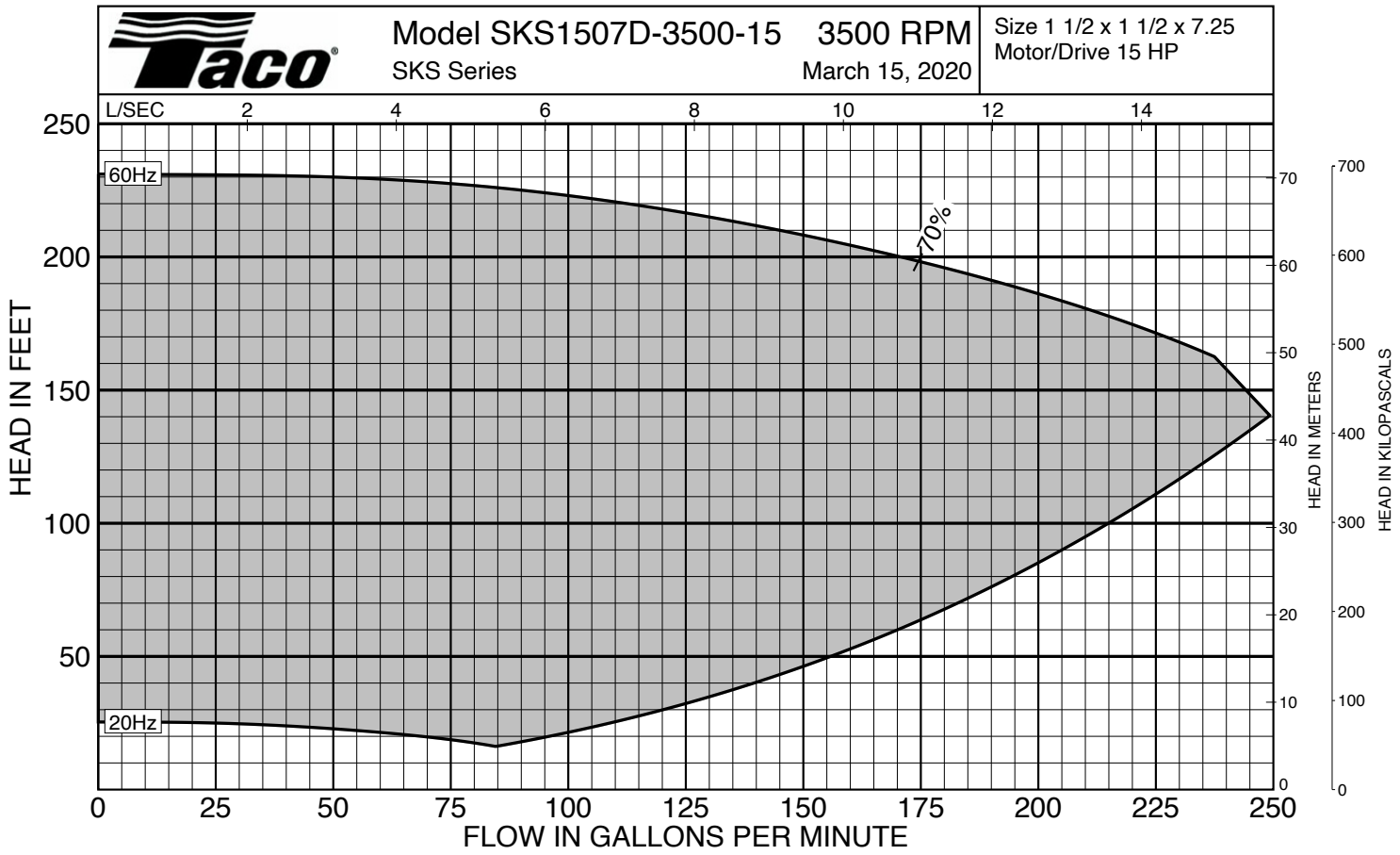
MATERIALS OF CONSTRUCTION			CASING	COVER	IMPELLER	WEAR RING	SHAFT	COUPLING	MECHANICAL SEAL	SEAL FLUSH LINE ASSEMBLY	SUPPORT STAND
STANDARD CONSTRUCTION	BRONZE FITTED	125# FLANGE	Cast Iron ASTM A48/A48M-03 Class 30A	Cast Iron ASTM A48/A48M-03 Class 30A	Bronze ASTM B584 ALLOY C83600 or C84400	N/A	Stainless 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