

# SKS Series Pump | Submittal Data

Submittal No: 301-S111 | Model: SKS1506D | RPM: 3500 | HP: 5HP | Effective: April 24, 2020 | Supersedes: January 27, 2020

JOB: \_\_\_\_\_

REPRESENTATIVE: \_\_\_\_\_

ENGINEER: \_\_\_\_\_

CONTRACTOR: \_\_\_\_\_

## PRODUCT DATA

ITEM NO. \_\_\_\_\_

DOE BASIC MODEL NO. SKS1506D-A-2P-PD

MODEL NO. \_\_\_\_\_ VOLTAGE \_\_\_\_\_

PEI<sub>VL</sub> 0.41 HI ENERGY RATING 59

IMPELLER DIA. \_\_\_\_\_ WEIGHT \_\_\_\_\_

GPM \_\_\_\_\_ PUMP/MOTOR \_\_\_\_\_

HEAD/FT \_\_\_\_\_ FREQUENCY \_\_\_\_\_

RPM 3500 HP 5 PHASE \_\_\_\_\_

NSF 61 CERTIFIED\* YES NO SUPPORT STAND OPTION YES NO  
\*Not configurable as a standard option; please contact your account manager to configure.  
 (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

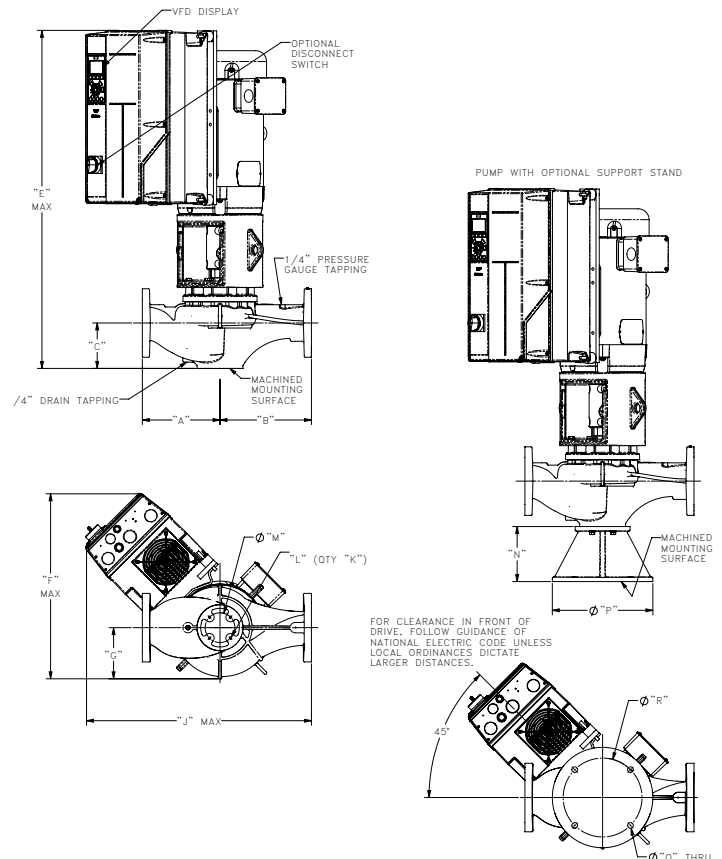
\*\* In accordance with ANSI Standard B16.1 Class 250

## DIMENSIONS

Model No. | 1506D

Flange Size (Suction x Discharge) | 1 ½ x 1 ½ (38 x 38)

HORSEPOWER	5
MOTOR FRAME TEFC	184TC
MOTOR FRAME ODP	182TC
WEIGHT WITHOUT OPTIONAL STAND LBS (KG)	315 (143)
WEIGHT WITH OPTIONAL STAND LBS (KG)	326 (148)
FLANGE SIZE ASA	1.5 (38)
A*	ANSI CLASS 125: 7.5 (191)
	ANSI CLASS 250: 7.75 (197)
B*	ANSI CLASS 125: 7.5 (191)
	ANSI CLASS 250: 7.75 (197)
C	4.68 (119)
E MAX	36.31 (922)
F MAX	19.16 (487)
G	5.00 (127)
J MAX	21.66 (550)
K	2
L	5/16-18
M	1.75 (44)
N	6 (152)
P	7.5 (191)
Q	0.63 (16)
R	6 (152)



\*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.

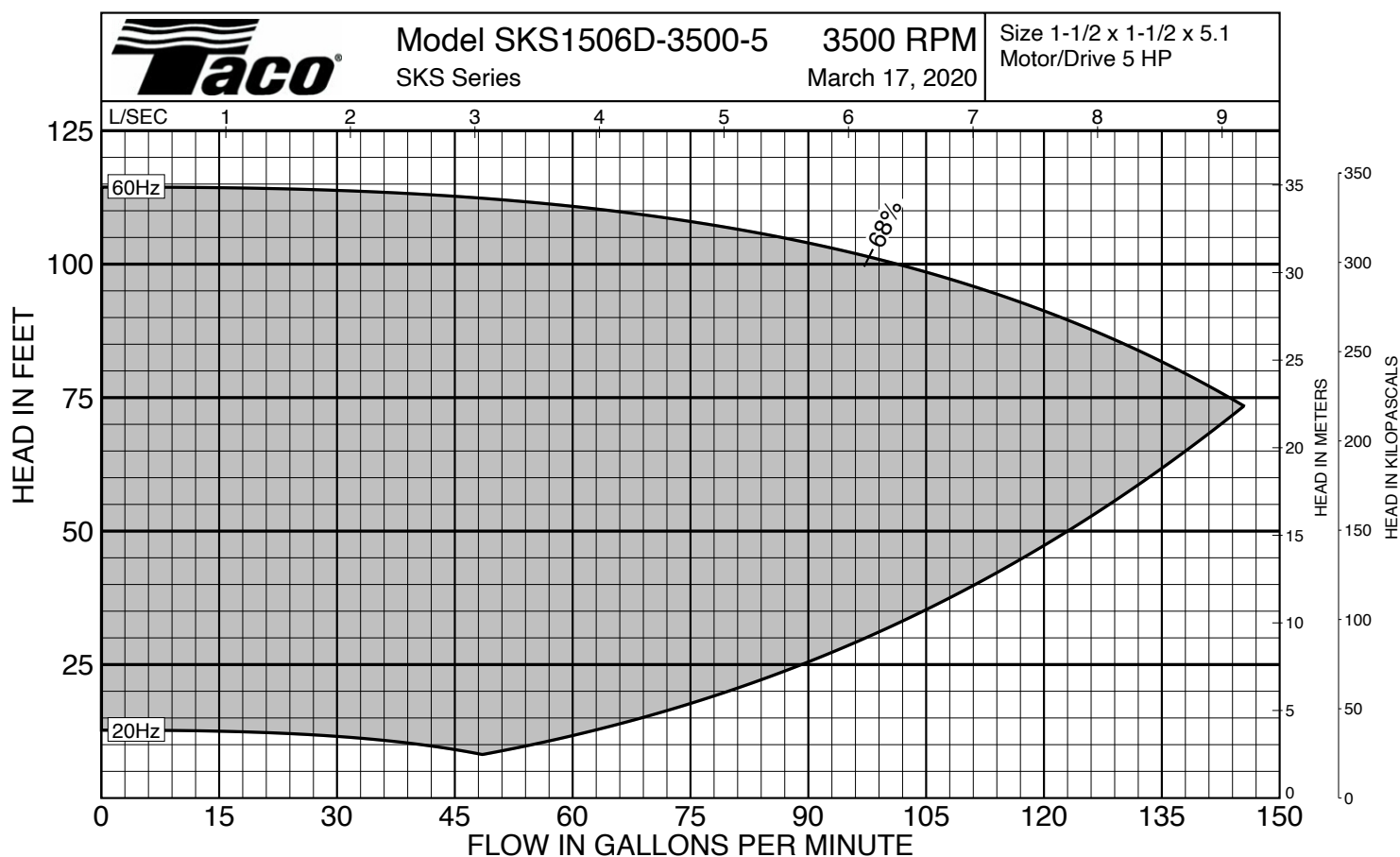
MATERIALS OF CONSTRUCTION			CASING	COVER	IMPELLER	WEAR RING	SHAFT	COUPLING	MECHANICAL SEAL	SEAL FLUSH LINE ASSEMBLY	SUPPORT STAND
STANDARD CONSTRUCTION	BRONZE FITTED	125# FLANGE	Cast Iron ASTM A48/A48M-03 Class 30A	Cast Iron ASTM A48/A48M-03 Class 30A	Bronze ASTM B584 ALLOY C83600 or C84400	N/A	Stainless Steel TYPE 416"™" 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"™" 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"™" 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"™" 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