

SKS Series Pump | Submittal Data

Submittal No: 301-S132 | Model: SKS4007D | RPM: 3500 | HP: 40HP | Effective: July 24, 2020 | Supersedes: January 27, 2020

JOB: _____

REPRESENTATIVE: _____

ENGINEER: _____

CONTRACTOR: _____

PRODUCT DATA

ITEM NO. _____

DOE BASIC MODEL NO. _____ SKS4007D-A-2P-PD

MODEL NO. _____ VOLTAGE _____

PEI_{VL} _____ 0.44 _____ HI ENERGY RATING _____ 56 _____

IMPELLER DIA. _____ WEIGHT _____

GPM _____ PUMP/MOTOR _____

HEAD/FT _____ FREQUENCY _____

RPM 3500 HP 40 PHASE _____

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) |

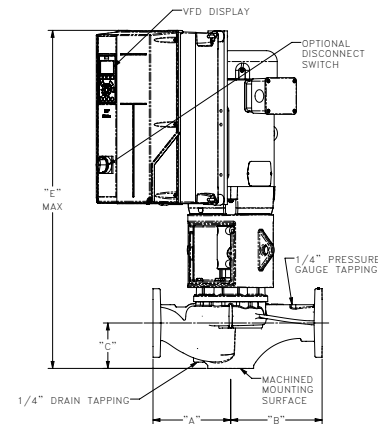
* In accordance with ANSI Standard B16.1 Class 125

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

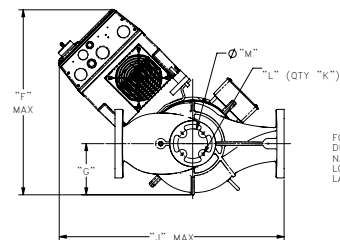
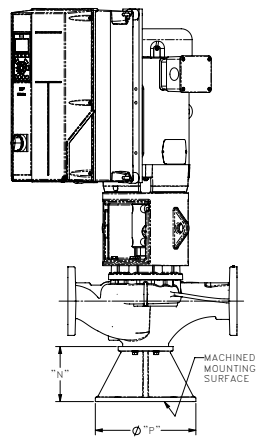
DIMENSIONS

Model No. | 4007D
Flange Size (Suction x Discharge) | 4 x 4 (102 x 102)

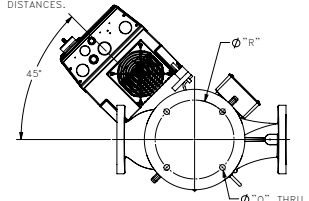
| | |
|--|-----------------------------|
| HORSEPOWER | 40 |
| MOTOR FRAME TEFC | 324TSC |
| MOTOR FRAME ODP | 286TSC |
| WEIGHT WITHOUT OPTIONAL STAND LBS (KG) | 920.67 (418) |
| WEIGHT WITH OPTIONAL STAND LBS (KG) | 941.54 (427) |
| FLANGE SIZE ASA | 4 (102) |
| A* | ANSI CLASS 125: 11 (279) |
| | ANSI CLASS 250: 11.18 (284) |
| B* | ANSI CLASS 125: 11 (279) |
| | ANSI CLASS 250: 11.18 (284) |
| C | 6.83 (173) |
| E MAX | 51.64 (1312) |
| F MAX | 25.89 (658) |
| G | 6.76 (172) |
| J MAX | 30.44 (773) |
| K | 4 |
| L | 3/8-16 UNC-2B |
| M | 2.88 (73) |
| N | 6 (152) |
| P | 9.38 (238) |
| Q | 0.63 (16) |
| R | 7.75 (197) |



PUMP WITH OPTIONAL SUPPORT STAND



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.

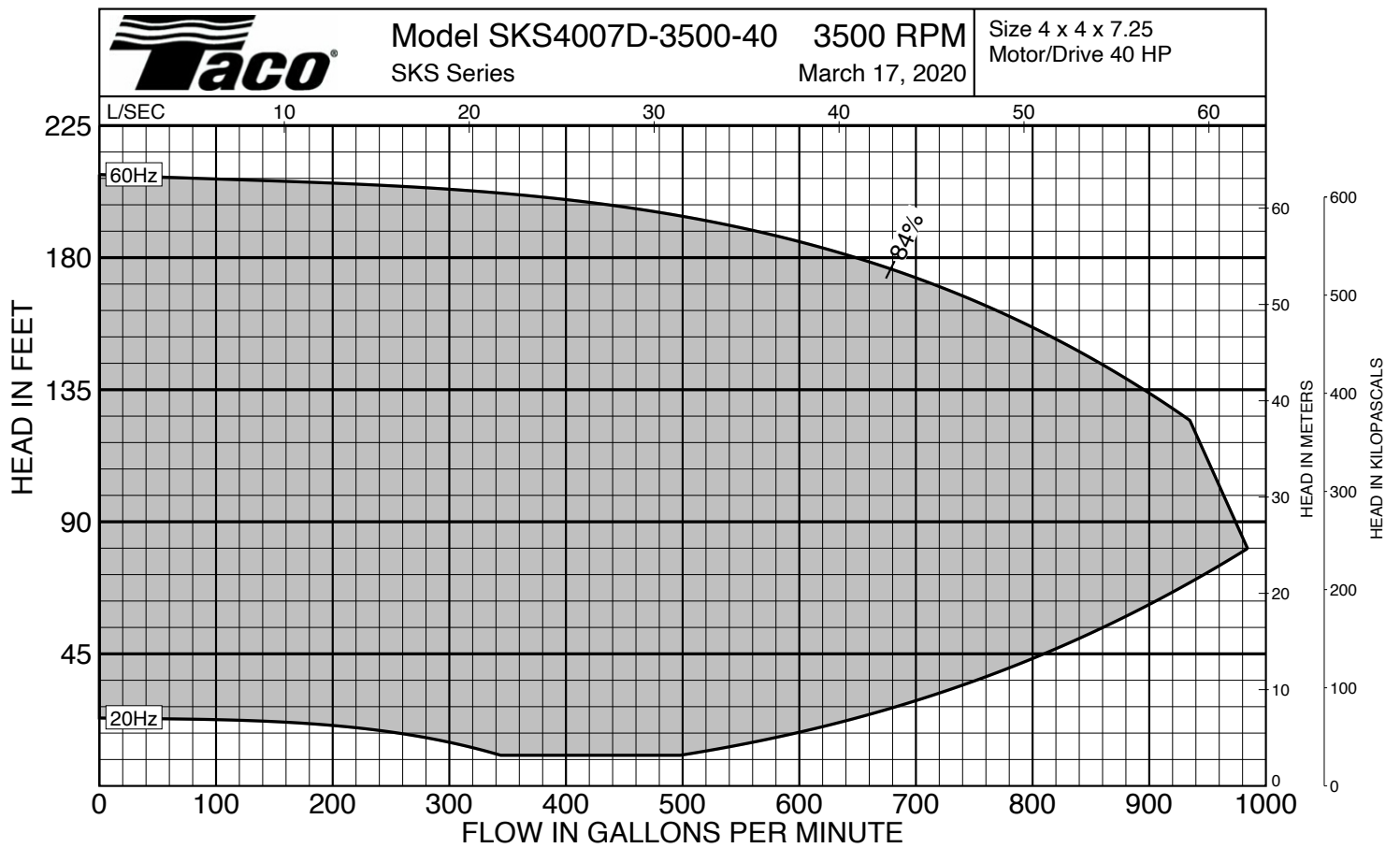
| MATERIALS OF CONSTRUCTION | | | CASING | COVER | IMPELLER | WEAR RING | SHAFT | COUPLING | MECHANICAL SEAL | SEAL FLUSH LINE ASSEMBLY | SUPPORT STAND |
|---------------------------|---------------|--------------|---|--------------------------------------|---|-----------------------------|--|------------------------|---|--------------------------|--|
| 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"Ti" 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"Ti" 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 |

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