

Materials and Technical D			ata			Sec. 133	PAGE 100.1
							JANUARY 2017
				PUMP DETA			
Pump Models			SFV3A SFEV3A/SFV3A-X SFEV3A-X				
Agency Approvals			FM/CSA-C/US				
Discharge Flange			3" ANSI W/ Flat Face				
Impeller Type			Vortex				
Impeller Material			Ductile Iron 3" (76 mm) Non-Deformable Diameter				
Spherical Solids Handling				3" (76 mm) Non-Deform	hable Diameter	
Motor Housing (Including Seal			Gray Iron 30				
Plate and Intermediate)							
Pump Casing			Gray Iron 30				
Motor Shaft			17–4 PH Stainless Steel				
O-Rings		Buna-N and Fluorocarbon (DuPont Viton® or Equivalent)					
	arings:	Upper		Single Row Ball/Permanent Lubrication			
Type/Lubrication		Lower	Single Row Ball/Permanent Lubrication				
External Hardware			303/304 Stainless Steel				
External Surface Protection			Epoxy Paint				
Seal Type		Tandem, Mechanical, Oil Lubricated Upper, Self-Lubricated Lower					
Sealing Faces:		Upper	Carbon/Ceramic				
Rotating/Stationary		Lower	Silicon Carbide/Silicon Carbide				
Seal Elastomers		Buna-N Upper, Fluorocarbon (DuPont Viton® or Equivalent) Lower					
Μ	ax. Liquid Ten	perature	104 [°] F (40 [°] C)				
				MOTOR DETA	AILS		
Speed			60 Hz, 1750 RPM				
Motor Design			Inverter-Duty Rated, Air-Filled Enclosure, Squirrel Cage, Induction Start				
Motor Efficiency Rating			NEMA Premium Efficiency (IEC IE3)				
Insulation			Class H, Rated 356°F (180°C)				
Max. Submergence			65 Feet (20 Meters)				
Min. Submergence			1/2 Motor Covered				
Max. Starts per Hour			10				
Max. Rated Output Power		3	3.0 HP (2,2 kW)	3.0 HP (2,2	kW)	3.0 HP (2,2 kW)	
		230V/1P		13.3/19.3			
Amp Draw @ Max. Rated Power: Full Load/		208V/3P			8.62/55.	3	
		230V/3P					7.80/50.0
	ed Rotor	460V/3P					3.90/25.0
		575V/3P					3.12/20.0
NEMA Motor Code				Α	Н		Н
Service Factor				1.15	1.0		1.15
Efficency: 100%/75%/50% Load				74%/74%/70%	86%/84%/8		86%/84%/83%
Power Factor: 100%/75%/50% Load				0.98/0.99/0.99	0.83/0.79/0		0.83/0.79/0.67
Field Connection			Across-the-Line				
Moisture Sensor			Single Probe Monitoring Both Seal and Motor Chambers One Thermostat per Phase, Self-Resetting				
Thermal Overload			CABLE DETAILS				
	Voltage				All		
		Conductors per	1/4				
Power	Gauge		10 AWG				
Cable	Type/Material		SOOW/EPDM				
	Nominal Cable O.D.		0.75" (19,0 mm)				
Control Cable	No. Cables/Conductors per		1/4				
	Gauge		14 AWG				
	Type/Material		CPE				
	Nominal Cable O.D.		0.61" (15,5 mm)				
	Length		32 Feet (10 Meters) Standard, 164 Feet (50 Meters) Maximum				
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