

Materials and Technical Da			te		Sec. 134	PAGE 120.1
Mate		Technical Da	lla		3ec. 134	JANUARY 2017
				PUMP DETAILS		
Pump Models			SFDV4A SFDEV4A/SFDV4A-X SFDEV4A-X			
Agency Approvals			FM/CSA-C/US			
Discharge Flange			4" ANSI W/ Flat Face			
Impeller Type			Vortex Ductile Iron			
Impeller Material Spherical Solids Handling			3" (76 mm) Non-Deformable Diameter			
Motor Housing (Including Seal						
Plate and Intermediate)			Gray Iron 30			
Pump Casing			Gray Iron 30			
Motor Shaft			17–4 PH Stainless Steel			
O-Rings			Buna-N and Fluorocarbon (DuPont Viton® or Equivalent)			
Bearings: Upper			Single Row Ball/Permanent Lubrication			
		Lower	Double 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				
Max. Liquid Temperature			104 [°] F (40 [°] C)			
				MOTOR DETAILS		
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			N/A			
Min. Submergence			<u>N/A</u> 10			
Max. Starts per Hour Rated Power						
			5.0 HP (3,7 kW)	5.0 HP (3,	7 KVV)	
	Draw:	208V/3P		13.8/106.1		
Max. Full Load		230V/3P			13.0/9	6.0
Locked Rotor 460V/3F		460V/3P			6.5/48	
		575V/3P			5.2/38	
NEMA Motor Code			J	J		
Service Factor			1.0	1.10)	
Efficiency: 100%/75%/50% Load			88%/87%/86%	88%/87%	5/86%	
Power Factor: 100%/75%/50% Load				0.82/0.76/0.67	0.82/0.76	6/0.67
Field Connection			Across-the-Line			
Moisture Sensor Thermal Overload			Single Probe Monitoring Both Seal and Motor Chambers One Thermostat per Phase, Self-Resetting			
	Thermal Ov	erioad		CABLE DETAILS	se, seil-neselling	}
	Voltag	e		All		
No. Cables/Conductors per						
Power Cable	Gauge		10 AWG			
	Type/Material		SOOW/EPDM			
	Nominal Cable O.D.			0.75" (19,0	mm)	
	No. Cables/Conductors per		1/4			
	Gauge		14 AWG			
Cable	Type/Material					
Nominal Cable O.D.				0.61" (15,5		NA
	Lengtl	1		32 Feet (10 Meters) Standard, 164	⊢eet (50 Meters)	Maximum
<u>–6</u>			GC	RMAN-RUPP PUMPS		
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