

Materials and Technical Da			ata			Sec. 133	PAGE 420.1
						Sec. 155	AUGUST 2020
				PUMP DETA			
Pump Model			SF8B & SF8B-X				
Agency Approvals			Consult Factory				
Discharge Flange			8" ANSI W/ Flat Face				
Impeller Type/Material			Two Vane Enclosed / Ductile Iron				
Wear Ring Material			Ductile Iron				
Spherical Solids Handling			3" (76 mm) Non-Deformable Diameter				
Motor Housing (Including Seal			Gray Iron 30				
Plate and Intermediate)							
Pump Casing							
Motor Shaft O-Rings			17–4 PH Stainless Steel Buna-N and Fluorocarbon (DuPont Viton® or Equivalent)				
Dec							livalent)
Bearings: Upper			Single Row Ball/Permanent Lubrication				
Type/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 Carbon/Ni-Resist					
	Sealing Faces: Upper		Carbon/NI-Resist Silicon Carbide/Silicon Carbide				
Rotating	Rotating/Stationary Lower		·				
Seal Elastomers			Buna-N Upper, Fluorocarbon (DuPont Viton® or Equivalent) Lower				
Max. Liquid Temperature			104°F (40°C) MOTOR DETAILS				
	Oracad			MOTOR DET			
Speed Motor Desire			60 Hz, 1750 RPM				
Motor Design			Inverter-Duty Rated, Air-Filled Enclosure, Squirrel Cage, Induction Start NEMA Premium Efficiency (IEC IE3)				
Motor Efficiency Rating			Class H, Rated 356°F (180°C)				
Insulation Max. Submergence			65 Feet (20 Meters)				
Max. Submergence Min. Submergence			1/2 Motor Covered				
Max. Starts per Hour			10				
Max. Rated Output Power			75.0 HP (55,9 kW)				
					70.011		
Amp Draw @							
Max. Rated Power:							
Full Load/ Locked Rotor 575V/3P		460V/3P	86.0/542.0				
		575V/3P	69.0/434.0				
NEMA Motor Code			G				
Service Factor			1.15				
Efficiency: 100%/75%/50% Load			94%/96%/94%				
Power Factor: 100%/75%/50% Load			0.85/0.81/0.73				
Field Connection			Across-the-Line				
Moisture Sensor			Single Probe Monitoring Both Seal and Motor Chambers				
Thermal Overload			One Thermostat per Phase, Self-Resetting CABLE DETAILS				
	Voltors			460V		E761	
Voltage No. Cables/Conductors per				460V 1/6		575	
Power			(2) 1 1	1 -		7 -	
Cable	Gauge Type/Material		(3) I AV	<u>VG PWR & (3) 6 AWC</u>	a GIND/GC		3) 6 AWG GND/GC
	Nominal Cable O.D.			<u>GGC/CPE</u> 1.51" (38,4 mm)		GGC/(1 51" (38	
Control Cable	No. Cables/Conductors per		<u>1.51" (38,4 mm)</u> <u>1.51" (38,4 mm)</u> 1/4				
	Gauge		14 AWG				
	Type/Material		SOOW/CPE				
	Nominal Cable O.D.		0.61" (15,5 mm)				
	Length		32 Feet (10 Meters) Standard, 164 Feet (50 Meters) Maximum				
			GC	RMAN-RUPP			
5			ac				
CODIAN	RUPP			www.grpumps.c	om		
GORMAN							





