

Materials and Technical Da			ata	Sec. 133	PAGE 430.1
wat					FEBRUARY 2024
			PUMP DETAILS	0700 X	
Pump Model			SF8C & SF8C-X		
Agency Approvals					
Discharge Flange			8" ANSI W/ Flat Face		
Impeller Type / Material			Two Vane Enclosed/ Ductile Iron Ductile Iron		
Wear Ring Material			3" (76 mm) Non-Deformable Diameter		
Spherical Solids Handling					
Motor Housing (Including Seal			Gray Iron 30		
Plate and Intermediate) Pump Casing			Ductile Iron		
Motor Shaft			17–4 PH Stainless Steel		
O-Rings			Buna-N and Fluorocarbon (DuPont Viton® or Equivalent)		
, in the second s		Upper	Single Row Ball/Permanent Lubrication		
	-		-		
Type/Lubrication Lower			Double Row Ball/Permanent Lubrication 303/304 Stainless Steel		
External Hardware			Epoxy Paint		
External Surface Protection			Tandem, Mechanical, Oil Lubricated Upper, Self-Lubricated Lower		
Seal Type			Carbon/Ceramic		
<u> </u>		Upper	Silicon Carbide/Silicon Carbide		
Rotating/Stationary Lower					
Seal Elastomers			Buna-N Upper, Fluorocarbon (DuPont Viton® or Equivalent) Lower		
Max. Liquid Temperature			104 <sup>°</sup> F (40 <sup>°</sup> C) MOTOR DETAILS		
	2				
Speed			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)		
Min. Submergence			1/2 Motor Covered		
Max. Starts per Hour			10		
Max. Starts per Hour 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			CABLE DETAILS	Phase, Self-Resetting	]
	Voltee		460V	575	SV
Voltage No. Cables/Conductors per			480V 1/6	575 1/6	
Power		Gauge	(3) 1 AWG PWR & (3) 6 AWG GND/GC	(3) 1 AWG PWR & (3	
Cable	Type/Material		GGC	GG	
	Nominal Cable O.D.		1.51" (38,4mm)	1.51" (38	
Control Cable	No. Cables/Conductors per		1/4		
	Gauge		14 AWG		
	Type/Material		SOOW/CPE		
	Nominal Cable O.D.		0.61" (15,5 mm)		
	Lengt		32 Feet (10 Meters) Standard, 164 Feet (50 Meters) Maximum		
F	R		GORMAN-RUPP PUMPS		
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	IPS		Specifications Subject to Change Without Notice		Printed in U.S.A.

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