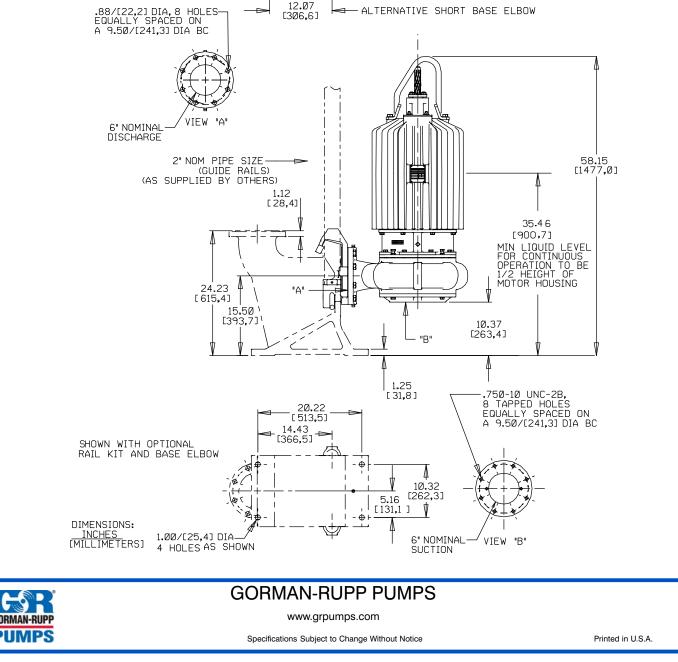


Mat	erials and	Technical Da	ata			Sec.	133	PAGE 330.1 AUGUST 2020	
				PUMP DE				AUGUST 2020	
	Rump Mo	del	SF6D & SF6D-X						
Pump Model Agency Approvals			Consult Factory						
Discharge Flange			6" ANSI <sup>w</sup> / Flat Face						
Impeller Type / Material			Two Vane Enclosed/ Ductile Iron						
Wear Ring Material			Ductile Iron						
	Spherical Solids Handling				3" (76 mm) Non-D	eformable Dia	meter		
Motor Housing (Including Seal					Grav	Iron 30			
Plate and Intermediate)			Ductile Iron						
Pump Casing Motor Shaft									
O-Rings			17–4 PH Stainless Steel Buna-N and Fluorocarbon (DuPont Viton® or Equivalent)						
Bea	Bearings: Upper		Single Row Ball/Permanent Lubrication						
	ubrication	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					
Sealin	g Faces:	Upper	Carbon/Ni-Resist						
Rotating	Rotating/Stationary L			Silicon Carbide/Silicon Carbide					
	Seal Elasto	mers	Buna-N Upper, Fluorocarbon (DuPont Viton® or Equivalent) Lower					alent) Lower	
M	Max. Liquid Temperature			104 <sup>°</sup> F (40 <sup>°</sup> C)					
				MOTOR D	ETAILS				
Speed			60 Hz, 1750 RPM						
Motor Design			Inverter-Duty Rated, Air-Filled Enclosure, Squirrel Cage, Induction Start						
Motor Efficiency Rating					NEMA Premium				
Insulation			Class H, Rated 356°F (180°C) 65 Feet (20 Meters)						
Max. Submergence Min. Submergence			1/2 Motor Covered						
Max. Starts per Hour			10						
Max. Rated Output Power			50.0 HP (37,3 kW)						
Amp Draw @ Max. Rated Power:									
Full Load/									
Locked Rotor		460V/3P	60.0/425.0						
NEMA Motor Code		48.0/340.0 H							
Service Factor			1.15						
Efficiency: 100%/75%/50% Load			93%/90%/88%						
Power Factor: 100%/75%/50% Load			0.86/0.77/0.68						
	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						
Voltage				460V			575\	V	
		Conductors per		1/6			1/6		
Power	Gauge		(3) 4 A\	WG PWR & (3) 8	AWG GND/GC	(3) 6 AWG P		3) 10 AWG GND/GC	
Cable	Type/Material		. / .	GGC/CPE			GGC/C		
	Nominal Cable O.D.			1.19" (30,2m	ım)	1.05" (26,7 mm)			
Control	No. Cables/Conductors per		1/4						
Control Cable	Gauge								
	Type/Material Nominal Cable O.D.			<u>SOOW/CPE</u> 0.61" (15,5 mm)					
	Length			32 Feet (10 Meters) Standard, 164 Feet (50 Meters) Maximum					
GORMAN-RUPP PUMPS									
GORMAN-RUPP www.grpumps.com									
PUMPS Specifications Subject to Change Without Notice Printed in U.S.A.									
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MODEL SF6D & SF6D-X

SLIDE RAIL VERSION

**APPROXIMATE** 

14.50 -F

[368,4]

.88/[22,2] DIA, 8 HOLES EQUALLY SPACED ON A 9.50/[241,3] DIA BC

6" NOMINAL

DISCHARGE

**SECTION 133, PAGE 330.2** 

4 10.98 [278,8]

dt.

19.85 [504,2]

26.35

millin

[669,3] 

s 260

13.50 [342,9]

16.64 [422,6] 28.71 [729,2]

[487,6 KG.]

[1,54 KG.]

[533 KG.]

[0.88 CU. M.]

