

Mat	erials and	Technical Da	ata			Sec. 13	13 L	PAGE 320.1
Iviat						Sec. 10		AUGUST 2020
				PUMP DETAIL	.S			
Pump Model			SF6C & SF6C-X					
Agency Approvals		Consult Factory						
Discharge Flange			6" 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					Grav	Iron 30		
Plate and Intermediate)								
Pump Casing			Ductile Iron					
Motor Shaft O-Rings		17–4 PH Stainless Steel Bung N and Elugrocarbon (DuPont Viton® or Equivalent)						
-		Buna-N and Fluorocarbon (DuPont Viton® or Equivalent) Single Row Ball/Permanent Lubrication						
Bearings: Type/Lubrication		Lower	Double Row Ball/Permanent Lubrication					
туре/ш			· · · · · · · · · · · · · · · · · · ·					
External Hardware			303/304 Stainless Steel					
External Surface Protection		Epoxy Paint						
Coolin	Seal Type		Tandem, Mechanical, Oil Lubricated Upper, Self-Lubricated Lower Carbon/Ceramic					
	Sealing Faces:UpperRotating/StationaryLower		Silicon Carbide/Silicon Carbide					
Rotating		Lower	Buna-N Upper, Fluorocarbon (DuPont Viton® or Equivalent) Lower					lopt) Lower
	Seal Elastor			Bulla-IN Oppel, Flui			quiva	
Mi	ax. Liquid Tem	perature	104°F (40°C) MOTOR DETAILS					
	Speed					750 PPM		
		ian	60 Hz, 1750 RPM Inverter-Duty Rated, Air-Filled Enclosure, Squirrel Cage, Induction Start					
Motor Design Motor Efficiency Rating		-	NEMA Premium Efficiency (IEC IE3)					
	Insulatio		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		30.0 HP (22,4 kW)						
	Draw @							
Max. Rated Power: - Full Load/		230V/3P	73.2 / 492.0					
	d Rotor	460V/3P		36.6 / 246.0				
575V/3P			29.3 / 197.0					
NEMA Motor Code			Н					
Service Factor			1.15					
Efficiency: 100%/75%/50% Load		93%/90%/90%						
Power Factor: 100%/75%/50% Load Field Connection		0.83/0.77/0.70 Across-the-Line						
	Moisture Se		Single Probe Monitoring Both Seal and Motor Chambers					
	Thermal Ove		One Thermostat per Phase, Self-Resetting					
				CABLE DETAIL				
	Voltage			230/460V	1		575	V
Power Cable	No. Cables/Conductors per			1/6			1/6	
	Gauge		(3) 4 A	WG PWR & (3) 8 AWG) 10 AWG GND/GC
	Type/Material			GGC/CPI			GC/C	
	Nominal Cable O.D.		1.19" (30,2mm) 0.91" (23,1 mm)					
	No. Cables/Conductors per		1/4					
	Gauge		14 AWG					
	Type/Material		SOOW/CPE 0.61" (15,5 mm)					
Nominal Cable O.D. Length			32 Feet (10 Meters) Standard, 164 Feet (50 Meters) Maximum					
	Length				-	, 10 4 1°€€L (30 IVIE	1015)	
			GO	RMAN-RUPP	PUMPS			
GORMAN				www.grpumps.cor	n			
PUN	129		Sp	ecifications Subject to Change V	Vithout Notice			Printed in U.S.A.

Specifications Subject to Change Without Notice

Specification Data

SECTION 133, PAGE 320.2

MODEL SF6C & SF6C-X SLIDE RAIL VERSION APPROXIMATE DIMENSIONS and WEIGHTS

NET WT: (pump only)	670 LBS.	[303 KG.]
(comb. cable wt. per meter [3.2 ft.])	3.4 LBS.	[1,54 KG.]
SHIPPING WT: (pump only)	710 LBS.	[322,1 KG.]
CRATE SIZE:		[0,71 CU. M.]





