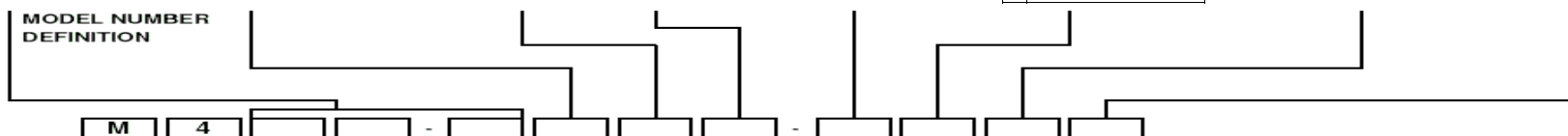


SF Series 3" Brushless AC Servo Motors (Food Grade*)

UL Recognized



Winding					Shaft & Mounting					Finish / Shaft Material		Brake (Electric Release)		Winding Voltage		Commutation / Feedback Device		Optional Sealing		Connection Method	
Torque, Winding Current, Cont. Speed (lb-in) (RPM) (Arms) (Note 2)					Output Shaft Diameter x Extension Keyway Width x Length Front Mounting					(Note 3)		(Electric Release)									
31-N	1.4	(12.0)	7000	3.1	A	0.5 x 2.0 in. Full Keyway 0.125 x 1.375	Sq. Flange 3.38in 2.5 in. Pilot (4) 0.275 in holes on 3.875 in. B.C.	0	FDA Food Grade White 2-part Epoxy/Stainless Steel (17-4)	0	Without Brake	0	230V	0	Without Feedback	0	Standard Shaft Seal IP67	2	(2) 1M Shielded Cables No Connectors Liquid Tight Strain Relief (not available on short shell motors)		
	(M431N = M305D)																				
32-N	2.8	(24.0)	7000	5.8	C	NEMA 34 – D Flange 0.375 x 1.25 in Full Keyway 0.0938 x 0.875	Sq. Flange 3.38in 2.875 in. Pilot (4) 0.225 in holes on 3.875 in. B.C.	1	FDA Food Grade Steel IT/Stainless Steel (17-4)	B	24VDC 4.5 Nm 40 lb-in 131-011-0005	2	460V	2	2 Pole Brushless Pancake Resolver 1.04 Transformation 6.6kHz , 7.5Vrms Input Special Option (Consult Factory) EPN: 325-003-0007	2	Standard Shaft Seal with Front Face O-ring Groove and O-ring IP 67	5	(2) RDE Connectors Direct to Endbell without Mating Connectors		
	(M432N = M306D)																				
33-F	3.7	(33.0)	3500	4.5	M	DIN Normal Tolerances 14 x 30 mm Without Keyway	Sq. Flange 86 mm 80 mm Pilot (4) 7 mm holes on 100 mm B.C.	2	FDA Food Grade White 2-part Epoxy / Short Shell / Stainless Steel (17-4)	3	FDA Food Grade Steel IT Short Shell / Stainless Steel (17-4)	5	2 Pole Brushless Pancake Resolver 0.5 Transformation 10kHz , 7.0Vrms Input EPN: 325-005-0015	A	2 Pole Brushless Pancake Resolver 0.25 Transformation 4kHz , 6.0Vrms Input EPN: 325-005-0008	F	Zero Maintenance Shaft Seal (aluminum) IP 67	7	(2) RDE Connectors Direct to Endbell with Mating Connectors		
	(M433F = M307A)																				
33-J	3.7	(33.0)	5000	5.6	N	DIN Normal Tolerances 14 x 30 mm Captive Keyway 5 x 20 mm	Sq. Flange 86 mm 80 mm Pilot (4) 7 mm holes on 100 mm B.C.	3	FDA Food Grade Steel IT Short Shell / Stainless Steel (17-4)	D	Absolute, Heidenhain, EnDat Multi-Turn	S	Absolute, Stegmann, Hiperface SRS50 – Single-Turn	H	Double Lip, FDA Material Shaft Seal (PTFE) plus Front Face O-ring Groove and O-ring	T	Absolute, Stegmann, Hiperface SRM50 – Multi-Turn	Custom Cable Length (up to 50 Ft)			
	(M433J = M307B)																				
33-M	3.7	(33.0)	6500	8.3	P	DIN 42955-R Tolerances 14 x 30 mm Without Keyway	Sq. Flange 86 mm 80 mm Pilot (4) 7 mm holes on 100 mm B.C.	3	FDA Food Grade Steel IT Short Shell / Stainless Steel (17-4)	E	Encoder 500kHz AM26LS31 RS422 Line Driver 1000 Lines / Rev 1024 Lines / Rev 2000 Lines / Rev 2048 Lines / Rev 4096 Lines / Rev	T	Absolute, Stegmann, Hiperface SRM50 – Multi-Turn	H	Double Lip, FDA Material Shaft Seal (PTFE) plus Front Face O-ring Groove and O-ring	T	Absolute, Stegmann, Hiperface SRM50 – Multi-Turn	Custom Cable Length (up to 50 Ft)			
	(M433M = M307D)																				
33-M	3.7	(33.0)	6500	8.3	R	DIN 42955-R Tolerances 14 x 30 mm Captive Keyway 5 x 20 mm	Sq. Flange 86 mm 80 mm Pilot (4) 7 mm holes on 100 mm B.C.	3	FDA Food Grade Steel IT Short Shell / Stainless Steel (17-4)	E	Encoder 500kHz AM26LS31 RS422 Line Driver 1000 Lines / Rev 1024 Lines / Rev 2000 Lines / Rev 2048 Lines / Rev 4096 Lines / Rev	T	Absolute, Stegmann, Hiperface SRM50 – Multi-Turn	H	Double Lip, FDA Material Shaft Seal (PTFE) plus Front Face O-ring Groove and O-ring	T	Absolute, Stegmann, Hiperface SRM50 – Multi-Turn	Custom Cable Length (up to 50 Ft)			
	(M433M = M307D)																				



Notes:

1. Thermo switch rating 155degC in motor, each winding (3), normally closed contact.
 2. Derate the motor continuous torque by 6% and use ½ listed current for 460V winding motors.
 3. All food grade motors are smooth surface construction (finless).
- *Conforms to latest applicable requirements of BISSC, 3-A SSI

Replaces all previous pricing sheets.
All data & prices are subject to change without notice.
Rev C (2-1-13) EDN: 057227
ECO: 006842 EPN: 307-630-0102C
(997-002-6468)