


SF Series 6" Brushless AC Servo Motors
(Food Grade)

6 Pole | UL Recognized 



Winding				
	Torque, Cont. Stall Nm	Speed (lb-in) (Note 2)	Rated / Max (RPM) (Arms)	Current, Cont. (Arms)
61-D	5.7	(50.8)	2000/2600	4.6
61-G	5.7	(50.8)	3300/3950 M461G=M320	6.6
62-D	12.2	(108.1)	2000/2500	9.2
62-E	12.2	(108.1)	2500/3100	11.3
62-G	12.2	(108.1)	3000/3950 M462G=M321	15.0
63-D	17.4	(154.2)	1750/2275	11.4
63-F	17.4	(154.2)	2500/3575	18.4
63-K	17.4	(154.2)	3500/5350 M463K=M324	29.1
64-C	21.9	(193.6)	1500/200	13.6
64-E	21.9	(193.6)	2000/3125	21.0
64-G	21.9	(193.6)	2500/3975 M464G=M327	27.9
65-C	24.9	(219.9)	1500/2000	15.3
65-D	24.9	(219.9)	1800/2500	19.1
65-G	24.9	(219.9)	2500/3725 M465G=M329	28.9

Shaft & Mounting	
Output Shaft Diameter x Extension	Front Mounting Keyway Width x Length (Note 3)
NEMA 56C - D Modified	
1.125 x 2.75 in Keyway 0.250 x 1.5 in	Sq. Flange 6.0in, 4.5in Pilot, (4) 3/8-16 UNC-2B Thread, 0.56in deep on 5.875in BC & (4) 0.406in holes on 7.00in BC
DIN Normal Tolerances	
24 x 50 mm Without Keyway	Sq. Flange 152.4 mm 130 mm Pilot (4) 12 mm holes on 165 mm B.C.
DIN Normal Tolerances	
24 x 50 mm Captive Keyway 8 x 40 mm	Sq. Flange 152.4 mm 130 mm Pilot (4) 12 mm holes on 165 mm B.C.
DIN 42955-R Tolerances	
24 x 50 mm Without Keyway	Sq. Flange 152.4 mm 130 mm Pilot (4) 12 mm holes on 165 mm B.C.
DIN 42955-R Tolerances	
24 x 50 mm Captive Keyway 8 x 40 mm	Sq. Flange 152.4 mm 130 mm Pilot (4) 12 mm holes on 165 mm B.C.

Finish/ Shaft Material
0 FDA Food Grade White Epoxy / Stainless Steel Shaft (17-4)

Holding Brake (Electric Release)
0 Without Brake
B 24VDC 11.4 Nm 100 lb-in 131-011-0006
C 24VDC 19.9 Nm 175 lb-in 131-011-0007

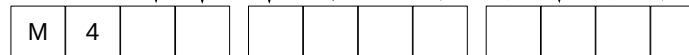
Winding Voltage (Note 1)
0 230V
2 460V

Commutation/ Feedback Device
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
D Abs., Heidenhain, EnDat 2.2/01 Multi-Turn
2 Incremental Encoder, 500KHz AM26LS31 RS422 Line Driver 2000 Lines / Rev, QR12 (Other resolutions available on request)
P Abs., Stegmann, Hiperface/DSL EKM36 - Multi-Turn
S Abs., Stegmann, Hiperface SRS50 - Single-Turn
T Abs., Stegmann, Hiperface SRM50 - Multi-Turn
U 1Vpp Sin/Cos Incremental w/ TTL Commutation (Halls) 512 cycles/rev
W Absolute for Yaskawa

Additional Feedback/ Optional Sealing
0 Without Secondary Device
E Without Secondary Feedback / Front Face O-ring Groove and O-ring

Connection Method
3 MS Connectors Direct to Endbell without Mating Connectors
4 Add on Box with (2) 1/2" NPT Rear Facing Holes with Terminal Strip (See Note 2)
N Intercontec / SpeedTec Connectors, M23

- Notes:**
1. Thermo switch rating 180°C in motor, each winding (3), normally closed contact.
 2. Performance data for 230V Windings. De-rate the motor continuous torque by 6% and use ½ listed current for 460V winding motors.
 3. All food grade motors feature finless extrusion construction



Replaces all previous pricing sheets.
All data & prices are subject to change without notice.
Rev D (10-16-2019) EDN: 057229
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