

**SX Series 6.00" (152.4mm) Frame, 6 Pole, AC (BLDC) Servo Motors
Explosion Proof (Hazardous Location)**



Winding			
Torque, Cont.	Winding Speed (lb-in) (RPM)	Current, Cont. (Arms)	

61-G	4.9 (43.4)	3600	6.9
-------------	------------	------	-----

62-G	10.4 (92.0)	3600	13.5
-------------	-------------	------	------

63-K	14.8 (131.0)	4900	26.1
-------------	--------------	------	------

64-G	18.6 (164.6)	3600	24.5
-------------	--------------	------	------

65-G	21.1 (186.8)	3400	26
-------------	--------------	------	----

Shaft & Mounting	
Output Shaft	Front Mounting

M	Same as Option N except without keyway
----------	--

DIN 42955-N Tolerances	
Class I Shaft: Ø24mm x 50mm	Class I & II Sq. Flange 152.4mm Ø130mm Pilot
Class II Shaft: Ø24mm x 55mm	(4) Ø12 mm holes on Ø165mm BC
Class I & II Captive Keyway 8mm x 40mm	

P	Same as Option R except without keyway
----------	--

DIN 42955-R Tolerances	
Class I Shaft: Ø24mm x 50mm	Class I & II Sq. Flange 152.4mm Ø130mm Pilot
Class II Shaft: Ø24mm x 55mm	(4) Ø12 mm holes on Ø165mm BC
Class I & II Captive Keyway 8mm x 40mm	

Magnetic Material & Finish	
----------------------------	--

S	SmCo Black Paint
----------	---------------------

Brake (Electric Release)	
--------------------------	--

O	Without Brake
----------	---------------

B	24VDC 11.4 Nm 100lb-in 131-011-0006
----------	--

C	24VDC 19.9 Nm 175 lb-in 131-011-0007
----------	---

Winding Voltage & Hazardous Location Classification	
---	--

7	230V w/ Seals UL Listed, Class I, Div.1 & 2 Groups C & D, T3C
----------	---

8	230V w/o Seals UL Listed, Class I, Div.1 & 2 Groups C & D, T3C ATEX/IECEX Rated: Zone 1 & 2 ATEX: Ex II 2 G Ex db IIB T3 Gb IECEX: Ex db IIB T3 Gb
----------	---

9	460V w/o Seals UL Listed, Class I, Div.1 & 2 Groups C & D, T3C ATEX/IECEX Rated: Zone 1 & 2 ATEX: Ex II 2 G Ex db IIB T3 Gb IECEX: Ex db IIB T3 Gb
----------	---

A	460V w/ Seals UL Listed, Class I, Div.1 & 2 Groups C & D, T3C
----------	---

B	230V w/ Seals UL Listed, Class II, Div.1 & 2 Div 1 & 2, Groups E, F, & G, T3C ATEX/IECEX Rated: Zone 21 & 22 ATEX: Ex II 2 D Ex tb IIIC T135 Db IECEX: Ex tb IIIC T135 Db
----------	--

C	460V w/ Seals UL Listed, Class II, Div.1 & 2 Div 1 & 2, Groups E, F, & G, T3C ATEX/IECEX Rated: Zone 21 & 22 ATEX: Ex II 2 D Ex tb IIIC T135 Db IECEX: Ex tb IIIC T135 Db
----------	--

D	230V w/ Seals UL Listed, Class I, Div.1 & 2 Groups C & D, T3C ATEX/IECEX Rated: Zone 1 & 2 ATEX: Ex II 2 G Ex db IIB T3 Gb IECEX: Ex db IIB T3 Gb
----------	--

E	460V w/ Seals UL Listed, Class I, Div.1 & 2 Groups C & D, T3C ATEX/IECEX Rated: Zone 1 & 2 ATEX: Ex II 2 G Ex db IIB T3 Gb IECEX: Ex db IIB T3 Gb
----------	--

Commutation / Feedback Device	
-------------------------------	--

5	2-Pole Brushless Resolver 0.5xfmr, 10kHz, 7.0Vrms Input EPN: 325-005-0015
----------	---

A	2-Pole Brushless Resolver 0.25xfmr, 4kHz, 6.0Vrms Input EPN: 325-005-0008
----------	---

D	Heidenhain, EnDat 2.2/01 Absolute, Multi-turn
----------	--

G	Incremental Encoder, 500kHz AM26LS31 RS422 Line Driver 2000 Lines / Rev (Other resolutions available on request)
----------	---

P	Absolute, SICK Hiperface/DSL EKM36: Absolute, Multi-Turn
----------	---

S	Absolute, SICK Hiperface SRS50: Absolute, Single-Turn
----------	--

T	Absolute, SICK Hiperface SRM50: Absolute, Multi-Turn
----------	---

U	1Vpp Sin/Cos Incremental w/ TTL Commutation (Halls) 512 cycles/rev
----------	--

Secondary Resolver Mounting	
-----------------------------	--

O	Without Secondary Device
----------	--------------------------

Connection Method	
-------------------	--

7	Explosion Proof Straight Fitting Rear Exit Qty 2 – 3/4"NPT x 14Thd/in Male Fittings w/ 36" individual flying leads
----------	---

8	Explosion Proof Straight Fitting Side Exit Qty 2 – 3/4"NPT x 14Thd/in Male Fittings w/ 36" individual flying leads
----------	---

A	Explosion Proof Straight Fitting Rear Exit Qty 1 – 1"NPT x 11-1/2 Thd/in Male Fitting w/ 36" individual flying leads
----------	---

C	Explosion Proof Straight Fitting Side Exit Qty 1 – 1"NPT x 11-1/2 Thd/in Male Fitting w/ 36" individual flying leads
----------	---

Y	Custom Cable Length (up to 50ft total length) \$30ft (over 3ft)
----------	--

Notes:

1. Thermal switch rating 180degC in motor, each winding (3), normally closed contact.
2. De-rate the motor continuous torque by 6% and use ½ the listed current for 460V winding motors.
3. Class II motors have longer shaft extensions to accommodate the dust slinger.

M	4	6																	
---	---	---	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Replaces all previous pricing sheets.	
All data & prices are subject to change without notice.	
Rev. G (05/08/2018)	EDN: 051656
ECO: 009139	EPN: 307-660-0103C (997-002-5681)