



Product Service

CERTIFICATE

No. B 022021 0786 Rev. 09

Holder of Certificate: Yaskawa Electric Corp.
Tokyo Plant
480 Kamifujisawa, Iruma
Saitama 358-8555
JAPAN

Certification Mark:



Product: Electric Motors
AC Servo Motor

The product was tested on a voluntary basis and complies with the essential requirements. The certification mark shown above can be affixed on the product. It is not permitted to alter the certification mark in any way. In addition, the certification holder must not transfer the certificate to third parties. This certificate is valid until the listed date, unless it is cancelled earlier. All applicable requirements of the Testing, Certification, Validation and Verification Regulations of TÜV SÜD Group have to be complied. For details see: www.tuvsud.com/ps-cert

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(Shigehisa Ishikawa)

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Model(s):

Sigma-X Series:
SGMXA, SGMXJ, SGMXG, SGMXP, SGMXV
Sigma-Mx Series: SGCXJ, SGCXG

SGCXJ Series - Nomenclature:

1-1) Standard:

SGCXJ - 01 A M A 2 1 C 2
 a b c d e f g h i

1-2) Exclusive Design for Customer:

SGCXJ - 01 A M A C 2 - * * * *
 a b c d e h i j k l m

Letters	Items	(Group)	
a	Motor Model	SGCXJ	

Letters	Items	(Group)	Rated Output[W]
b	Motor Output	01	100
		02	200
		04	400
		08	750

Letters	Items	(Group)	Power Supply for Servo amp
c	Power Supply	A	200 [V _{rms}]

Letters	Items	(Group)	Encoder Type
d	Encoder	M	23bit Serial Absolute Value

Letters	Items	(Group)	Design Revision Order
e	Design Revision Order	A	Standard.

Letters	Items	(Group)	Shaft Type
f	Shaft Type	2	Straight (without keyway)
		6	Straight (with keyway and tapped hole)
		8	Straight (tapped hole)
		B	Straight (with double flat key seat)

Letters	Items	(Group)	Optional Specifications
g	Optional Specifications	1	Without Option
		C	With Brake (24V)
		S	With Shaft Seal
		E	With Brake (24V) and Shaft Seal

Letters	Items	(Group)	Region
h	Region	A	Japan
		B	Global
		C	China

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Letters	Items	(Group)	Optional Specifications
i	Optional Specifications	1	Σ-LINK II
		2	Compatible with Σ-7
		6	Connector connection

Letters	Items	(Group)	Customer Code
j	Customer Code	A-Z	-
k			

Letters	Items	(Group)	Design Revision Order For Customer
l	Design Revision Order	A-Z or 0-9	-
m	For Customer		

INTERNATIONAL PROTECTION CLASS (IP class)

Motor type	IP Class
SGCXJ	IP67

SGCXG Series - Nomenclature:

1-1) Standard

SGCXG - 09 A M A 2 1 C 2
 a b c d e f g h i

1-2) Exclusive Design for Customer

SGCXG - 09 A M A C 2 - * * * *
 a b c d e h i j k l m

Letters	Items	(Group)	
a	Motor Model	SGCXG	

Letters	Items	(Group)	Rated Output[kW]
b	Motor Output	09	0.85
		13	1.3
		20	1.8
		24	2.4
		44	4.4

Letters	Items	(Group)	Power Supply Voltages for Servo amp [Vrms]
c	Power Supply	A	200

Letters	Items	(Group)	Encoder Type
d	Encoder	M	23bit Serial Absolute Value

Letters	Items	(Group)	Design Revision Order
e	Design Revision Order	A	Standard.

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Letters	Items	(Group)	Shaft Type
f	Shaft Type	2	Straight (without keyway)
		3	1/10 Conical shaft ends, With Sunk Key
		4	Straight (with keyway)
		5	1/10 Conical shaft ends, With Woodruff Key
		6	Straight (with keyway and tapped hole)
		8	Straight (tapped hole)

Letters	Items	(Group)	Optional Specifications
g	Optional Specifications	1	Without Option
		C	With Brake (24V)
		S	With oil seal (S type)
		E	With oil seal (S type) and with Brake (24V)

Letters	Items	(Group)	Region
h	Region	A	Japan
		B	Global
		C	China

Letters	Items	(Group)	Optional Specifications
i	Optional Specifications	1	Σ -LINK II
		2	Compatible with Σ -7

Letters	Items	(Group)	Customer Code
j	Customer Code	A-Z	-
k			

Letters	Items	(Group)	Design Revision Order For Customer
l	Design Revision Order For Customer	A-Z or	-
m		0-9	

INTERNATIONAL PROTECTION CLASS (IP class)

Motor type	IP Class
SGCXG except drive end side	IP67
SGCXG with oil seal of drive end side	

SGMXA Series - Nomenclature:

1-1) Standard:

SGMXA - 01 A U A 2 1 A 2
 a b c d e f g h i

1-2-1) Exclusive Design for Customer:

SGMXA - 01 A U A - * * * *
 a b c d e j k l m

1-2-2) Exclusive Design for Customer:

SGMXA - 01 A U A A 1 - * * * *
 a b c d e h i j k l m

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2-1) With Gear:

SGMXA - 01 A U A H 1 2 C A 2
 a b c d e n o f g h i

2-2-1) Exclusive Design for Customer with Gear:

SGMXA - 01 A U A H - * * * *
 a b c d e n j k l m

2-2-2) Exclusive Design for Customer with Gear:

SGMXA - 01 A U A H A 1 - * * * *
 a b c d e n h i j k l m

a. Motor Series: SGMXA

b. Rated Output [W]:

A5:	50
A8:	80
01:	100
C2:	150
02:	200
04:	400
06:	600
08:	750
10:	1000
15:	1500
20:	2000
25:	2500
30:	3000
40:	4000
50:	5000
70:	7000

c. Power Supply Voltage:

A:	200 V
D:	400 V

d. Encoder Type:

L:	26bit Serial Incremental
U:	26bit Serial Absolute Value
W:	26bit Serial Batteryless Absolute Value
H:	26bit Serial Batteryless Absolute Value (2nd type)

e. Design Revision Order

A:	Standard
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f. Shaft Type:

0:	Flange Type (without keyway)
2:	Straight (without keyway)
3:	1/10 Conical shaft ends, With Sunk Key

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- 4: Straight (with keyway)
- 5: 1/10 Conical shaft ends, With Woodruff Key
- 6: Straight (with keyway and tapped hole)
- 8: Straight (tapped hole)
- B: Straight (with double flat key seat)
- S: Straight (without keyway($\varphi 6$ or $\varphi 16$))
- K: Straight (with keyway and tapped hole ($\varphi 6$ or $\varphi 16$))

g. Optional Specifications:

- 1: Without option
- C: With Brake (24V)
- S: With Shaft Seal
- E: With Brake (24V) and Shaft Seal
- F: With oil seal (V type)
- H: With oil seal (V type) and with Brake (24V)

h. Optional Specifications for Region:

- A: Japan
- B: Global
- C: China

i. Optional Specifications:

- 1: Σ -LINK II
- 2: Compatible with Σ -7
- 3: Σ -LINK II safety type
- 4: Compatible with Σ -7 (Σ -LINK II safety type)
- 5: Oil-proof improvement

j, k. Customer Code:

May be any letter A – Z

l, m. Design Revision Order for Customer:

May be any letter A – Z, or number 0 – 9

n. Gear Type:

- H: Non-backlash Gear

o. Reduction Ratio:

- C: 1/5
- G: 1/9
- J: 1/11
- K: 1/12
- N: 1/20
- P: 1/21
- R: 1/25
- U: 1/33
- X: 1/40

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INTERNATIONAL PROTECTION CLASS (IP class)

Motor type	IP Class
SGMXA-A5 to SGMXA-50 without gear	IP67
SGMXA-A5 to SGMXA-10 with gear	IP55
SGMXA-15 to SGMXA-50 with gear	IP44
SGMXA-70	IP22

SGMXJ Series - Nomenclature:

1-1) Standard:

SGMXJ - 01 A U A 2 1 A 2
 a b c d e f g h i

1-2-1) Exclusive Design for Customer:

SGMXJ - 01 A U A - * * * *
 a b c d e j k l m

1-2-2) Exclusive Design for Customer:

SGMXJ - 01 A U A A 1 - * * * *
 a b c d e h i j k l m

2-1) With Gear:

SGMXJ - 01 A U A H 1 2 C A 2
 a b c d e n o f g h i

2-2-1) Exclusive Design for Customer with Gear:

SGMXJ - 01 A U A H - * * * *
 a b c d e n j k l m

2-2-2) Exclusive Design for Customer with Gear:

SGMXJ - 01 A U A H A 1 - * * * *
 a b c d e n h i j k l m

a. Motor Series: SGMXJ

b. Rated Output [W]:

A3: 30
 A5: 50
 A8: 80
 01: 100
 C2: 150
 02: 200
 04: 400
 06: 600
 08: 750

c. Power Supply Voltage:

A: 200 V
 E: 48 V

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- d. Encoder Type:
L: 26bit Serial Incremental
U: 26bit Serial Absolute Value
W: 26bit Serial Batteryless Absolute Value
H: 26bit Serial Batteryless Absolute Value (2nd type)
- e. Design Revision Order
A: Standard
K: Change IP or connector
V: Characteristic changes without changing windings
- f. Shaft Type:
0: Flange Type (without keyway)
2: Straight (without keyway)
6: Straight (with keyway and tapped hole)
8: Straight (tapped hole)
B: Straight (with double flat key seat)
S: Straight (without keyway($\phi 6$ or $\phi 16$))
K: Straight (with keyway and tapped hole ($\phi 6$ or $\phi 16$))
- g. Optional Specifications:
1: Without option
C: With Brake (24V)
S: With Shaft Seal
E: With Brake (24V) and Shaft Seal
- h. Optional Specifications for Region:
A: Japan
B: Global
C: China
- i. Optional Specifications:
1: Σ -LINK II
2: Compatible with Σ -7
3: Σ -LINK II safety type
4: Compatible with Σ -7 (Σ -LINK II safety type)
5: Oil-proof improvement
- j, k. Customer Code:
May be any letter A – Z
- l, m. Design Revision Order for Customer:
May be any letter A – Z, or number 0 – 9
- n. Gear Type:
H: Non-backlash Gear
- o. Reduction Ratio:
C: 1/5
G: 1/9
J: 1/11
P: 1/21
U: 1/33

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INTERNATIONAL PROTECTION CLASS (IP class)

Motor type	IP Class
SGMXJ without gear	IP67
SGMXJ with gear	IP55
SGMXJ-01AUKA3-YR11 SGMXJ-01AUKA3-YR21 SGMXJ-02AUKA3-YR21 SGMXJ-04AUKA3-YR21	IP65

SGMXG Series - Nomenclature:

1-1) Standard:

SGMXG - 09 A U A 2 1 A 2
 a b c d e f g h i

1-2-1) Exclusive Design for Customer:

SGMXG - 09 A U A - * * * *
 a b c d e j k l m

1-2-2) Exclusive Design for Customer:

SGMXG - 09 A U A A 1 - * * * *
 a b c d e h i j k l m

2-1) With Gear:

SGMXG - 09 A U A H 1 2 C A 2
 a b c d e n o f g h i

2-2-1) Exclusive Design for Customer with Gear:

SGMXG - 09 A U A H - * * * *
 a b c d e n j k l m

2-2-2) Exclusive Design for Customer with Gear:

SGMXG - 09 A U A H A 1 - * * * *
 a b c d e n h i j k l m

a. Motor Series: SGMXG

b. Rated Output [W]:

Rated speed:	1500min ⁻¹	1000min ⁻¹
03:	0.3	0.3
05:	0.45	--
06:	--	0.6
09:	0.85	0.9
12:	--	1.2
13:	1.3	--
20:	1.8	2.0
30:	2.9	3.0
40:	--	4.0
44:	4.4	4.4

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55:	5.5	5.5
75:	7.5	--
1A:	11	--
1E:	15	--

c. Power Supply Voltage:

A:	200 V
D:	400 V

d. Encoder Type:

L:	26bit Serial Incremental
U:	26bit Serial Absolute Value
W:	26bit Serial Batteryless Absolute Value
H:	26bit Serial Batteryless Absolute Value (2nd type)

e. Design Revision Order

A:	Standard. Rated speed 1500min ⁻¹
B:	Rated speed 1000min ⁻¹
L:	Reduced output type

f. Shaft Type:

2:	Straight (without keyway)
3:	1/10 Conical shaft ends, With Sunk Key
4:	Straight (with keyway)
5:	1/10 Conical shaft ends, With Woodruff Key
6:	Straight (with keyway and tapped hole)
8:	Straight (tapped hole)
S:	Straight (without keyway), small size
K:	Straight (with keyway and tapped hole), Small size
T:	Straight (tapped hole), small size
U:	Straight (with keyway), small size

g. Optional Specifications:

1:	Without Option
C:	With Brake (24V)
S:	With oil seal (S type)
E:	With oil seal (S type) and with Brake (24V)
F:	With oil seal (V type)
H:	With oil seal (V type) and with Brake (24V)

h. Optional Specifications:

A:	Japan
B:	Global
C:	China

i. Optional Specifications:

1:	Σ-LINK II
2:	Compatible with Σ-7
3:	Σ-LINK II safety type



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- 4: Compatible with Σ -7 (Σ -LINK II safety type)
- 5: Oil-proof improvement

j, k. Customer Code:
May be any letter A – Z

l, m. Design Revision Order for Customer:
May be any letter A – Z, or number 0 – 9

- n. Gear Type:
- E: Standard Backlash Gear (with foot)
 - F: Standard Backlash Gear (flange mount)
 - H: Low-Backlash Gear

- o. Reduction Ratio:
- For Low Backlash Gear
- C: 1/5
 - J: 1/11
 - K: 1/12
 - N: 1/20
 - P: 1/21
 - R: 1/25
 - U: 1/33
 - X: 1/40
 - Z: 1/45

- For Standard Backlash Gear
- D: 1/6
 - J: 1/11
 - P: 1/21
 - S: 1/29
 - Y: 1/43

INTERNATIONAL PROTECTION CLASS (IP class)

No.	Contents	Except for drive end side (*1)	Oil seal of drive end side	
			V type	S type
1	SGMXG without gear	IP67	IP55	IP67
2	SGMXG with gear	IP44	N/A	N/A

Note:

*1: When drive end side needs IP55 or IP67, mount an oil seal.

SGMXP Series - Nomenclature:

1-1) Standard:

SGMXP - 01 A U A 2 1 A 2

a b c d e f g h i

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1-2-1) Exclusive Design for Customer:

SGMXP - 01 A U A - * * * *
 a b c d e j k l m

1-2-2) Exclusive Design for Customer:

SGMXP - 01 A U A A 1 - * * * *
 a b c d e h i j k l m

2-1) With Gear:

SGMXP - 01 A U A H 1 2 C A 2
 a b c d e n o f g h i

2-2-1) Exclusive Design for Customer with Gear:

SGMXP - 01 A U A H - * * * *
 a b c d e n j k l m

2-2-2) Exclusive Design for Customer with Gear:

SGMXP - 01 A U A H A 1 - * * * *
 a b c d e n h i j k l m

a. Motor Series: SGMXP

b. Rated Output [W]:

A8: 80
 01: 100
 02: 200
 04: 400
 08: 750
 15: 1500

c. Power Supply Voltage:

A: 200 V
 D: 400 V

d. Encoder Type:

L: 26bit Serial Incremental
 U: 26bit Serial Absolute Value
 W: 26bit Serial Batteryless Absolute Value
 H: 26bit Serial Batteryless Absolute Value (2nd type)

e. Design Revision Order

A: Standard

f. Shaft Type:

0: Flange Type (without keyway)
 2: Straight (without keyway)

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- 4: Straight (with keyway)
- 6: Straight (with keyway and tapped hole)
- 8: Straight (tapped hole)
- A: Straight (with single flat key seat)
- B: Straight (with double flat key seat)
- S: Straight (without keyway, small size)
- K: Straight (with keyway and tapped hole, small size)

g. Optional Specifications:

For from 80W to 400W:

- 1: Without option
- C: With Brake (24V)
- S: With Shaft Seal
- E: With Brake (24V) and Shaft Seal

For 750W and 1500W

Lead wire length (mm)				Optional Specifications	
300	500	1000	1500		
1	1H	1J	1K	Standard connector	Without Option
C	CH	C J	CK		With Brake (24V)
S	SH	S J	SK		With Shaft Seal
E	EH	E J	EK		With Brake (24V) and Shaft Seal
1D	1E	1F	1G	Drip-proofed connector	Without Option
CD	CE	CF	CG		With Brake (24V)
SD	SE	SF	SG		With Shaft Seal
ED	EE	EF	EG		With Brake (24V) and Shaft Seal

h. Optional Specifications for Region:

- A: Japan
- B: Global
- C: China

i. Optional Specifications:

- 1: Σ -LINK II
- 2: Compatible with Σ -7
- 3: Σ -LINK II safety type
- 4: Compatible with Σ -7 (Σ -LINK II safety type)
- 5: Oil-proof improvement

j, k. Customer Code:
May be any letter A – Z

l, m. Design Revision Order for Customer:
May be any letter A – Z, or number 0 – 9

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- n. Gear Type:
H: Non-backlash Gear

- o. Reduction Ratio:
C: 1/5
G: 1/9
J: 1/11
P: 1/21
U: 1/33

INTERNATIONAL PROTECTION CLASS (IP class)

Motor type	IP Class
SGMXP without gear	IP67
SGMXP with gear	IP55

SGMXV Series - Nomenclature :

1-1) Standard:

SGMXV - 2B D U B 2 1 A 1
 a b c d e f g h i

1-2) Exclusive Design for Customer:

SGMXV - 2B D U B A 1 - * * * *
 a b c d e h i j k l m

- a. Motor Series: SGMXV

- b. Rated Output [kW]:
2B: 22
4E: 45
5E: 55

- c. Power Supply Voltage:
D: 400 V

- d. Encoder Type:
U: 26bit Serial Absolute Value
W: 26bit Serial Batteryless Absolute Value
H: 26bit Serial Batteryless Absolute Value (2nd type)

- e. Design Revision Order
B: Standard

- f. Shaft Type:
2: Straight (without keyway) / Flange
6: Straight (with keyway and tapped hole) / Flange
K: Straight (without keyway) / Foot mount
L: Straight (with keyway and tapped hole) / Foot mount



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- g. Optional Specifications:
 - 1: Without option
 - C: With Brake (24V)
 - S: With Shaft Seal
 - E: With Brake (24V) and Shaft Seal
 - F: With oil seal (V type)
 - H: With oil seal (V type) and with Brake (24V)

- h. Optional Specifications for Region :
 - A: Japan
 - B: Global
 - C: China

- i. Optional Specifications:
 - 1: Σ -LINK II
 - 2: Compatible with Σ -7
 - 3: Σ -LINK II safety type
 - 4: Compatible with Σ -7 (Σ -LINK II safety type)
 - 6: Compatible and CM10 connector

- j, k. Customer Code:

May be any letter A – Z

- l, m. Design Revision Order for Customer:

May be any letter A – Z, or number 0 – 9

INTERNATIONAL PROTECTION CLASS (IP class)

Motor type	IP Class
SGMXV	IP44

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Electrical ratings –

SGCXJ

letters		Rated Output [W]	Rated Torque [N·m]	Rated Speed [min ⁻¹]	Rated Current [Arms]	Supply Voltage [Vrms] / Phase	Rated	Thermal Class
Motor Type	Motor Output							
SGCXJ	01	100	0.318	3000	0.85	200 / 3	CONT.	B
SGCXJ	02	200	0.637	3000	1.4	200 / 3	CONT.	B
SGCXJ	04	400	1.27	3000	2.4	200 / 3	CONT.	B
SGCXJ	08	750	2.39	3000	4.7	200 / 3	CONT.	B

SGCXG

letters		Rated Output [kW]	Rated Torque [N·m]	Rated Speed [min ⁻¹]	Rated Current [Arms]	Supply Voltage [Vrms] / Phase	Rated	Thermal Class
Motor Type	Motor Output							
SGCXG	09	0.85	5.39	1500	4.0	200 / 3	CONT.	F
SGCXG	13	1.3	8.34	1500	5.9	200 / 3	CONT.	F
SGCXG	20	1.8	11.5	1500	8.9	200 / 3	CONT.	F
SGCXG	24	2.4	15.1	1500	11.5	200 / 3	CONT.	F
SGCXG	44	4.4	28.4	1500	17.9	200 / 3	CONT.	F

SGMXA series

Motor type	Frame size (mm)	Rated output (W)	Rated torque (N·m)	Rated speed (min ⁻¹)	Rated current (A)	Supply Voltage (Vrms) / Phase	Rated	Thermal class
SGMXA-A5A*****	□ 40	50	0.159	3000	0.57	200 / 3	CONT.	B
SGMXA-A8A*****	□ 40	80	0.255	3000	0.72	200 / 3	CONT.	B
SGMXA-01A*****	□ 40	100	0.318	3000	0.89	200 / 3	CONT.	B
SGMXA-C2A*****	□ 40	150	0.477	3000	1.5	200 / 3	CONT.	B
SGMXA-02A*****	□ 60	200	0.637	3000	1.5	200 / 3	CONT.	B
SGMXA-04A*****	□ 60	400	1.27	3000	2.4	200 / 3	CONT.	B
SGMXA-06A*****	□ 60	600	1.91	3000	4.5	200 / 3	CONT.	B
SGMXA-08A*****	□ 80	750	2.39	3000	4.4	200 / 3	CONT.	B
SGMXA-10A*****	□ 80	1000	3.18	3000	6.4	200 / 3	CONT.	B
SGMXA-15A*A*****	□ 100	1500	4.90	3000	9.3	200 / 3	CONT.	F
SGMXA-20A*A*****	□ 100	2000	6.36	3000	12.1	200 / 3	CONT.	F
SGMXA-25A*A*****	□ 100	2500	7.96	3000	15.6	200 / 3	CONT.	F
SGMXA-30A*A*****	□ 130	3000	9.80	3000	17.9	200 / 3	CONT.	F
SGMXA-40A*A*****	□ 130	4000	12.6	3000	25.4	200 / 3	CONT.	F
SGMXA-50A*A*****	□ 130	5000	15.8	3000	27.6	200 / 3	CONT.	F
SGMXA-70A*A*****	□ 130	7000	22.3	3000	38.3	200 / 3	CONT.	F
SGMXA-15D*A*****	□ 100	1500	4.90	3000	4.5	400 / 3	CONT.	F
SGMXA-20D*A*****	□ 100	2000	6.36	3000	5.9	400 / 3	CONT.	F
SGMXA-25D*A*****	□ 100	2500	7.96	3000	7.4	400 / 3	CONT.	F
SGMXA-30D*A*****	□ 130	3000	9.80	3000	8.9	400 / 3	CONT.	F
SGMXA-40D*A*****	□ 130	4000	12.6	3000	12.5	400 / 3	CONT.	F
SGMXA-50D*A*****	□ 130	5000	15.8	3000	13.8	400 / 3	CONT.	F
SGMXA-70D*A*****	□ 130	7000	22.3	3000	19.2	400 / 3	CONT.	F

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SGMXJ series

For standards

Motor type	Frame size (mm)	Rated output (W)	Rated torque (N·m)	Rated speed (min ⁻¹)	Rated current (A)	Supply Voltage (Vrms) / Phase	Rated	Thermal class
SGMXJ-A5A*A*****	□40	50	0.159	3000	0.55	200 / 3	CONT.	B
SGMXJ-A8A*A*****	□40	80	0.255	3000	0.69	200 / 3	CONT.	B
SGMXJ-01A*A*****	□40	100	0.318	3000	0.85	200 / 3	CONT.	B
SGMXJ-C2A*A*****	□40	150	0.477	3000	1.6	200 / 3	CONT.	B
SGMXJ-02A*A*****	□60	200	0.637	3000	1.6	200 / 3	CONT.	B
SGMXJ-04A*A*****	□60	400	1.27	3000	2.5	200 / 3	CONT.	B
SGMXJ-06A*A*****	□60	600	1.91	3000	4.2	200 / 3	CONT.	B
SGMXJ-08A*A*****	□80	750	2.39	3000	4.4	200 / 3	CONT.	B

For additional certified models of Exclusive Design for Customer

Motor type	Frame size (mm)	Rated output (W)	Rated torque (N·m)	Rated speed (min ⁻¹)	Rated current (A)	Supply Voltage (Vrms) / Phase	Rated	Thermal class
SGMXJ-01AUKA3-YR11	□40	100	0.318	3000	0.85	200 / 3	CONT.	B
SGMXJ-01AUKA3-YR21	□40	100	0.318	3000	0.85	200 / 3	CONT.	B
SGMXJ-02AUKA3-YR21	□60	200	0.830	2300	2.0	200 / 3	CONT.	B
SGMXJ-04AUKA3-YR21	□60	400	1.40	2700	2.8	200 / 3	CONT.	B
SGMXJ-A3E7VA2-YA11	□60	30	0.637	450	1.55	48 / 3	CONT.	B

SGMXG series

Motor type	Frame size (mm)	Rated output (kW)	Rated torque (N·m)	Rated speed (min ⁻¹)	Rated current (A)	Supply Voltage / Phase	Rated	Thermal class
SGMXG-03A*A*****	□90	0.3	1.96	1500	2.8	200 / 3	CONT.	F
SGMXG-05A*A*****	□90	0.45	2.86	1500	3.8	200 / 3	CONT.	F
SGMXG-09A*A*****	□130	0.85	5.39	1500	6.9	200 / 3	CONT.	F
SGMXG-13A*A*****	□130	1.3	8.34	1500	10.7	200 / 3	CONT.	F
SGMXG-20A*A*****	□130	1.8	11.5	1500	16.7	200 / 3	CONT.	F
SGMXG-30A*A*****	□180	2.9	18.6	1500	24.5	200 / 3	CONT.	F
SGMXG-44A*A*****	□180	4.4	28.4	1500	32.9	200 / 3	CONT.	F
SGMXG-55A*A*****	□180	5.5	35	1500	37.2	200 / 3	CONT.	F
SGMXG-75A*A*****	□180	7.5	48	1500	54.7	200 / 3	CONT.	F
SGMXG-1AA*A*****	□220	11.0	70	1500	58.6	200 / 3	CONT.	F
SGMXG-1EA*A*****	□220	15.0	95.4	1500	74.0	200 / 3	CONT.	F
SGMXG-03A*B*****	□90	0.3	2.86	1000	3.0	200 / 3	CONT.	F
SGMXG-06A*B*****	□130	0.6	5.68	1000	4.4	200 / 3	CONT.	F
SGMXG-09A*B*****	□130	0.9	8.62	1000	5.7	200 / 3	CONT.	F
SGMXG-12A*B*****	□130	1.2	11.5	1000	9.2	200 / 3	CONT.	F
SGMXG-20A*B*****	□180	2.0	19.1	1000	12.7	200 / 3	CONT.	F
SGMXG-30A*B*****	□180	3.0	28.4	1000	17.7	200 / 3	CONT.	F

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SGMXG-40A*B*****	□180	4.0	38.2	1000	24.9	200 / 3	CONT.	F
SGMXG-44A*B*****	□180	4.4	41.9	1000	27.3	200 / 3	CONT.	F
SGMXG-55A*B*****	□180	5.5	52.6	1000	32.2	200 / 3	CONT.	F
SGMXG-05A*L*****	□130	0.45	2.86	1500	3.8	200 / 3	CONT.	F
SGMXG-03A*L*****	□130	0.3	2.86	1000	3.0	200 / 3	CONT.	F
SGMXG-20A*L*****	□180	1.8	11.5	1500	15.0	200 / 3	CONT.	F
SGMXG-12A*L*****	□180	1.2	11.5	1000	8.0	200 / 3	CONT.	F
SGMXG-03D*A*****	□90	0.3	1.96	1500	1.4	400 / 3	CONT.	F
SGMXG-05D*A*****	□90	0.45	2.86	1500	1.9	400 / 3	CONT.	F
SGMXG-09D*A*****	□130	0.85	5.39	1500	3.5	400 / 3	CONT.	F
SGMXG-13D*A*****	□130	1.3	8.34	1500	5.4	400 / 3	CONT.	F
SGMXG-20D*A*****	□130	1.8	11.5	1500	8.4	400 / 3	CONT.	F
SGMXG-30D*A*****	□180	2.9	18.6	1500	11.9	400 / 3	CONT.	F
SGMXG-44D*A*****	□180	4.4	28.4	1500	16.0	400 / 3	CONT.	F
SGMXG-55D*A*****	□180	5.5	35.0	1500	18.6	400 / 3	CONT.	F
SGMXG-75D*A*****	□180	7.5	48.0	1500	25.7	400 / 3	CONT.	F
SGMXG-1AD*A*****	□220	11.0	70.0	1500	28.1	400 / 3	CONT.	F
SGMXG-1ED*A*****	□220	15.0	95.4	1500	37.0	400 / 3	CONT.	F
SGMXG-05D*L*****	□130	0.45	2.86	1500	1.9	400 / 3	CONT.	F
SGMXG-20D*L*****	□180	1.8	11.5	1500	7.3	400 / 3	CONT.	F

SGMXP series

Motor type	Frame size (mm)	Rated output (W)	Rated torque (N·m)	Rated speed (min ⁻¹)	Rated current (A)	Supply Voltage (Vrms) / Phase	Rated	Thermal class
SGMXP-A8A*****	□60	80	0.255	3000	0.62	200 / 3	CONT.	B
SGMXP-01A*****	□60	100	0.318	3000	0.76	200 / 3	CONT.	B
SGMXP-02A*****	□80	200	0.637	3000	1.5	200 / 3	CONT.	B
SGMXP-04A*****	□80	400	1.27	3000	2.4	200 / 3	CONT.	B
SGMXP-08A*****	□120	750	2.39	3000	5.4	200 / 3	CONT.	B
SGMXP-15A*****	□120	1500	4.77	3000	9.2	200 / 3	CONT.	B
SGMXP-02D*****	□80	200	0.637	3000	1.07	400 / 3	CONT.	B
SGMXP-04D*****	□80	400	1.27	3000	1.2	400 / 3	CONT.	B
SGMXP-08D*****	□120	750	2.39	3000	2.6	400 / 3	CONT.	B
SGMXP-15D*****	□120	1500	4.77	3000	4.5	400 / 3	CONT.	B

SGMXV series

Motor type	Frame size (mm)	Rated output (W)	Rated torque (N·m)	Rated speed (min ⁻¹)	Rated current (A)	Supply Voltage (Vrms) / Phase	Rated	Thermal class
SGMXV-2BD*B*****	□250	22	140	1500	40.2	400 / 3	CONT.	H
SGMXV-4ED*B*****	□280	45	286	1500	93.6	400 / 3	CONT.	H
SGMXV-5ED*B*****	□280	55	350	1500	108	400 / 3	CONT.	H



Product Service

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Parameters:

Rated voltage:	400 V3ac, 200 V3ac, 48 V3ac
Rated input current:	0.55 A – 108 A
Rated output power:	30 W – 55 kW
Rated torque:	0.159 N·m – 350 N·m
Rated speed:	3000 min ⁻¹ , 2700 min ⁻¹ , 2300 min ⁻¹ , 1500 min ⁻¹ , 1000 min ⁻¹ , 450 min ⁻¹
Protection class:	I
Thermal class:	B, F, H
Degree of protection:	IP67, IP65, IP55, IP44, IP22

(Refer to Electrical ratings for details.)

Remark:

When installing / inserting the equipment, all requirements of the mentioned test standard must be fulfilled.

Tested according to: EN 60034-1:2010
EN IEC 60034-5:2020