



Product Service

EC-Certificate of Conformity

No. E9 07 04 22021 255

Holder of Certificate: Yaskawa Electric Corp.
Tokyo Plant

480 Kamifujisawa, Iruma
Saitama 358-8555
JAPAN

Name of Object: AC Servo Systems
AC Servo Motor

Model(s): SGMV, SGMJV, SGMEV series
 SGMV-A5Axxxx, SGMV-01Axxxx,
 SGMV-C2Axxxx, SGMV-02Axxxx,
 SGMV-04Axxxx, SGMV-06Axxxx,
 SGMV-08Axxxx, SGMV-10Axxxx,
 SGMJV-A5Axxxx, SGMJV-01Axxxx,
 SGMJV-02Axxxx, SGMJV-04Axxxx,
 SGMJV-08Axxxx, SGMEV-01Axxxx,
 SGMEV-02Axxxx, SGMEV-04Axxxx,
 SGMEV-08Axxxx, SGMEV-15Axxxx,
 SGMEV-02Dxxxx, SGMEV-03Dxxxx,
 SGMEV-04Dxxxx, SGMEV-07Dxxxx,
 SGMEV-08Dxxxx, SGMEV-15Dxxxx
 (See Attachment for Nomenclature)

Description of Object:

Rated voltage:	200VAC (SGMV, SGMJV, SGMEV) 400VAC (SGMEV)
Rated power:	50W-1000W (SGMV) 50W-750W (SGMJV) 100W-1500W (SGMEV)
Protection class:	I

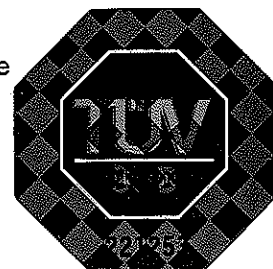
This EC-Certificate of Conformity is issued according to Article 10.2 of the Council Directive 89/336/EEC on the harmonization of the laws of the Member States relating to electromagnetic compatibility. It was transposed into the "Gesetz über die elektromagnetische Verträglichkeit von Geräten vom 18. September 1998 (EMVG, § 4 (2))". This Certificate does not contain any statement pertaining to the EMC protection requirements governed by other laws to implement EC Directives other than the aforementioned Council Directive 89/336/EEC. See also notes overleaf.

Test report no.: OSKEMC21607A

Date, 2007-04-17

TÜV SÜD Product Service GmbH is Competent Body in accordance with EMC Directive 89/336/EEC (BMPT VFG. 91/1992).

Page 1 of 10



Certificate Attachment

Certificate No. **E9 07 04 22021 255**



Product Service

1. Nomenclature for SGMAV Series

1) Standard

SGMAV - 01 A D A 2 1 -OY
 a b c d e f g h

Letters	Items	(Group)	
A	Motor type	SGMAV	

Letters	Items	(Group)	Rated Output[W]
B	Motor Output	A5	50
		01	100
		C2	150
		02	200
		04	400
		06	550
		08	750
		10	1000

Letters	Items	(Group)	Power Supply Voltages[Vrms]
C	Power Supply	A	200

Letters	Items	(Group)	Encoder Type
D	Encoder	D	20bit Serial Incremental
		3	20bit Serial Absolute Value
		6	20bit Serial Absolute Value with Built-in Capacitor

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)	Optional Specifications
H	Additional type	Blank	Standard
		-OY	Standard

Certificate Attachment

Certificate No. **E9 07 04 22021 255**



Product Service

2) With Gear

SGMAV - 01 A D AH 1 2 C -OY
 a b c d e f g h i

Letters	Items	(Group)	
a	Motor type	SGMAV	

Letters	Items	(Group)	Rated Output[W]
b	Motor Output	A5	50
		01	100
		C2	150
		02	200
		04	400
		06	550
		08	750
		10	1000

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

Letters	Items	(Group)	Encoder Type
d	Encoder	D	20bit Serial Incremental
		3	20bit Serial Absolute Value
		6	20bit Serial Absolute Value with Built-in Capacitor

Letters	Items	(Group)	Design Revision Order
e	Design Revision Order	AH	With Non-backlash Gear

Letters	Items	(Group)	Reduction Ratio
f	Reduction Ratio	1	1/5
		2	1/9
		7	1/33
		B	1/11
		C	1/21

Letters	Items	(Group)	Shaft Type
g	Shaft Type	0	Flange Type (without keyway)
		2	Straight (without keyway)
		6	Straight (with keyway and tapped hole)
		8	Straight (tapped hole)

Letters	Items	(Group)	Optional Specifications
h	Optional Specifications	1	Without Option
		C	With Brake (24V)

Letters	Items	(Group)	Optional Specifications
i	Additional type	Blank	Standard
		-OY	Standard

Certificate Attachment

Certificate No. **E9 07 04 22021 255**



Product Service

3) Exclusive Design for Customer

SGMAV - 01 A D AH - * * * *
 a b c d e f g h i

Letters	Items	(Group)	
a	Motor type	SGMAV	

Letters	Items	(Group)	Rated Output[W]
b	Motor Output	A5	50
		01	100
		C2	150
		02	200
		04	400
		06	550
		08	750
		10	1000

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

Letters	Items	(Group)	Encoder Type
d	Encoder	D	20bit Serial Incremental
		3	20bit Serial Absolute Value
		6	20bit Serial Absolute Value with Built-in Capacitor

Letters	Items	(Group)	Design Revision Order
e	Design Revision Order	A	Standard
		AH	With Non-backlash Gear

Letters	Items	(Group)	Customer Code
f,g	Customer Code	-	-

Letters	Items	(Group)	Customer Code
h,i	Design Revision Order For Customer	-	-



2. Nomenclature for SGMJV Series

1) Standard

SGMJV - 01 A D A 2 1 -OY
 a b c d e f g h

Letters	Items	(Group)
a	Motor type	SGMJV

Letters	Items	(Group)	Rated Output[W]
b	Motor Output	A5	50
		01	100
		02	200
		04	400
		08	750

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

Letters	Items	(Group)	Encoder Type
d	Encoder	A	13bit Serial Incremental
		D	20bit Serial Incremental
		3	20bit Serial Absolute Value
		6	20bit Serial Absolute Value with Built-in Capacitor

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)	Optional Specifications
h	Additional type	Blank	Standard
		-OY	Standard

Certificate Attachment

Certificate No. **E9 07 04 22021 255**



Product Service

2) With Gear

SGMJV - 01 A D AH 1 2 C -OY
 a b c d e f g h i

Letters	Items	(Group)	
a	Motor type	SGMJV	

Letters	Items	(Group)	Rated Output[W]
b	Motor Output	A5	50
		01	100
		02	200
		04	400
		08	750

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

Letters	Items	(Group)	Encoder Type
d	Encoder	A	13bit Serial Incremental
		D	20bit Serial Incremental
		3	20bit Serial Absolute Value
		6	20bit Serial Absolute Value with Built-in Capacitor

Letters	Items	(Group)	Design Revision Order
e	Design Revision Order	AH	With Non-backlash Gear

Letters	Items	(Group)	Reduction Ratio
f	Reduction Ratio	1	1/5
		2	1/9
		7	1/33
		B	1/11
		C	1/21

Letters	Items	(Group)	Shaft Type
g	Shaft Type	0	Flange Type (without keyway)
		2	Straight (without keyway)
		6	Straight (with keyway and tapped hole)
		8	Straight (tapped hole)

Letters	Items	(Group)	Optional Specifications
h	Optional Specifications	1	Without Option
		C	With Brake (24V)

Letters	Items	(Group)	Optional Specifications
i	Additional type	Blank	Standard
		-OY	Standard

Certificate Attachment

Certificate No. **E9 07 04 22021 255**



Product Service

3) Exclusive Design for Customer

SGMJV - 01 A D AH - * * * *
 a b c d e f g h i

Letters	Items	(Group)	
a	Motor type	SGMJV	

Letters	Items	(Group)	Rated Output[W]
b	Motor Output	A5	50
		01	100
		02	200
		04	400
		08	750

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

Letters	Items	(Group)	Encoder Type
d	Encoder	A	13bit Serial Incremental
		D	20bit Serial Incremental
		3	20bit Serial Absolute Value
		6	20bit Serial Absolute Value with Built-in Capacitor

Letters	Items	(Group)	Design Revision Order
e	Design Revision Order	A	Standard
		AH	With Non-backlash Gear

Letters	Items	(Group)	Customer Code
f,g	Customer Code	-	-

Letters	Items	(Group)	Customer Code
h,i	Design Revision Order For Customer	-	-

Certificate Attachment

Certificate No. **E9 07 04 22021 255**



Product Service

3. Nomenclature for SGMEV Series

1) Standard

SGMEV - 01 A D A 2 1 -OY
 a b c d e f g h

Letters	Items	(Group)	
a	Motor type	SGMEV	

Letters	Items	(Group)	Rated Output[W]
	Motor Output	01	100(Only 200V)
		02	200
		03	300(Only 400V)
		04	400
		07	650(Only 400V)
		08	750
		15	1500

Letters	Items	(Group)	Power Supply Voltages[Vrms]
c	Power Supply	A	200
		D	400

Letters	Items	(Group)	Encoder Type
d	Encoder	D	20bit Serial Incremental
		3	20bit Serial Absolute Value
		6	20bit Serial Absolute Value with Built-in Capacitor

Letters	Items	(Group)	Design Revision Order
e	Design Revision Order	A	Standard
		E	Drip proof provision

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)	Optional Specifications
h	Additional type	Blank	Standard
		-OY	Standard

Certificate Attachment

Certificate No. **E9 07 04 22021 255**



Product Service

2) With Gear

SGMEV - 01 A D AH 1 2 C -OY
 a b c d e f g h i

Letters	Items	(Group)	
a	Motor type	SGMEV	

Letters	Items	(Group)	Rated Output[W]
b	Motor Output	01	100(Only 200V)
		02	200
		03	300(Only 400V)
		04	400
		07	650(Only 400V)
		08	750
		15	1500

Letters	Items	(Group)	Power Supply Voltages [Vrms]
c	Power Supply	A	200
		D	400

Letters	Items	(Group)	Encoder Type
d	Encoder	D	20bit Serial Incremental
		3	20bit Serial Absolute Value
		6	20bit Serial Absolute Value with Built-in Capacitor

Letters	Items	(Group)	Design Revision Order
e	Design Revision Order	AH	With Non-backlash Gear
		EH	With Non-backlash Gear And Drip proof provision

Letters	Items	(Group)	Reduction Ratio
f	Reduction Ratio	1	1/5
		2	1/9
		7	1/33
		B	1/11
		C	1/21

Letters	Items	(Group)	Shaft Type
g	Shaft Type	0	Flange Type (without keyway)
		2	Straight (without keyway)
		6	Straight (with keyway and tapped hole)
		8	Straight (tapped hole)

Letters	Items	(Group)	Optional Specifications
h	Optional Specifications	1	Without Option
		C	With Brake (24V)

Letters	Items	(Group)	Optional Specifications
i	Additional type	Blank	Standard
		-OY	Standard

Certificate Attachment

Certificate No. **E9 07 04 22021 255**



Product Service

3) Exclusive Design for Customer

SGMEV - 01 A D AH - * * * *
 a b c d e f g h i

Letters	Items	(Group)	
a	Motor type	SGMEV	

Letters	Items	(Group)	Rated Output[W]
b	Motor Output	01	100(Only 200V)
		02	200
		03	300(Only 400V)
		04	400
		07	650(Only 400V)
		08	750
		15	1500

Letters	Items	(Group)	Power Supply Voltages [Vrms]
c	Power Supply	A	200
		D	400

Letters	Items	(Group)	Encoder Type
d	Encoder	D	20bit Serial Incremental
		3	20bit Serial Absolute Value
		6	20bit Serial Absolute Value with Built-in Capacitor

Letters	Items	(Group)	Design Revision Order
e	Design Revision Order	A	Standard
		E	Drip proof provision
		AH	With Non-backlash Gear
		EH	With Non-backlash Gear and Drip proof provision

Letters	Items	(Group)	Customer Code
f,g	Customer Code	-	-

Letters	Items	(Group)	Customer Code
h,i	Design Revision Order For Customer	-	-