



Product Service

CERTIFICATE

No. B 16 12 22021 704

Holder of Certificate: Yaskawa Electric Corp.
Tokyo Plant480 Kamifujisawa, Iruma
Saitama 358-8555
JAPAN**Production Facility(ies):** 48675, 77204, 92439**Certification Mark:****Product:** Electric Motors
AC Servo Motor**Model(s):** SGMVV Series
(See Attachment for Nomenclature)**Parameters:**
Rated voltage: AC 200 V, AC 400 V, 3 Phase
Rated output power: 22 - 55 kW
Rated input current: 39 - 195 A
Rated torque: 140 - 537 N•m
Degree of Protection against liquids:
IP 44 or IP 44 except for
drive end side
Protection class: I
Remark:
When installing / inserting the equipment, all requirements
of the mentioned test standards must be fulfilled.**Tested according to:** EN 60034-1:2010
EN 60034-5:2001/A1:2007

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. See also notes overleaf.

Test report no.: 73552979-02**Valid until:** 2021-12-04**Date,** 2016-12-12

(Yoshio Sato)

Page 1 of 4





B 16 12 22021 704

Electrical ratings

Motor type	Rated Output (kW)	Rated Voltage (V)	Phase	Rated Speed (min ⁻¹)	Rated current (A)	Rated Torque (N·m)
1500 min⁻¹series	--	--	--	--	--	--
SGMVV-2BAxxxx	22	200	3	1500	88	140
SGMVV-3ZAxxxx	30	200	3	1500	120	191
SGMVV-3GAxxxx	37	200	3	1500	152	236
SGMVV-2BDxxxx	22	400	3	1500	44	140
SGMVV-3ZDxxxx	30	400	3	1500	60	191
SGMVV-3GDxxxx	37	400	3	1500	76	236
SGMVV-4EDxxxx	45	400	3	1500	102	286
SGMVV-5EDxxxx	55	400	3	1500	117	350
SGMVV-2BDxFxx SGMVV-2BDxKxx	22	400	3	1500	39	140
SGMVV-3ZDxGxx SGMVV-3ZDxNxx	30	400	3	1500	55	191
SGMVV-3GDxGxx SGMVV-3GDxNxx	37	400	3	1500	69	236
SGMVV-5EDxExx SGMVV-5EDxHxx SGMVV-5EDxVxx	55	400	3	1500	97	350
1000 min⁻¹series	--	--	--	--	--	--
SGMVV-2BAxCxx	22	200	3	1000	103	210
SGMVV-3ZAxCxx	30	200	3	1000	136	286
SGMVV-3GAxCxx	37	200	3	1000	193	353
SGMVV-2BDxCxx	22	400	3	1000	52	210
SGMVV-3ZDxCxx	30	400	3	1000	68	286
SGMVV-3GDxCxx	37	400	3	1000	97	353
SGMVV-4EDxCxx	45	400	3	1000	115	430
SGMVV-5EDxCxx	55	400	3	1000	120	525
800 min⁻¹series	--	--	--	--	--	--
SGMVV-2BAxDxx	22	200	3	800	104	262
SGMVV-3ZAxDxx	30	200	3	800	150	358
SGMVV-3GAxDxx	37	200	3	800	195	442
SGMVV-2BDxDxx	22	400	3	800	52	262
SGMVV-3ZDxDxx	30	400	3	800	75	358
SGMVV-3GDxDxx	37	400	3	800	98	442
SGMVV-4EDxDxx	45	400	3	800	110	537

"X" represents Variations in model number as described in product covered and series nomenclature which do not affect electrical construction or rating. Reference "Product Covered" or "Series Nomenclature".

Certificate Attachment
Certificate No.



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B 16 12 22021 704

Nomenclature for Standard Model:

SGMVV - 2B A x x x x
a b c d e f g

a: Motor Series: SGMVV

b. Motor Output (kW):

2B: 22 kW
3Z: 30 kW
3G: 37 kW
4E: 45 kW
5E: 55 kW

c. Supply Voltage:

A: 200 V
D: 400 V

d. Detector:

D: Incremental (20bit)
3: Absolute value (20bit)

e. Design Revision Order

A: Peak Torque 200% (Rated Speed 1500min⁻¹) for Global
B: Peak Torque 250% (Rated Speed 1500min⁻¹) for Global
C: Peak Torque 210 - 230% (Rated Speed 1000min⁻¹) for Global
D: Peak Torque 200 - 220% (Rated Speed 800min⁻¹) for Global
E: Peak Torque 250% (Rated Speed 1500min⁻¹) for China
F: Peak Torque 226% (Rated Speed 1500min⁻¹) for China
G: Peak Torque 264 - 286% (Rated Speed 1500min⁻¹) for China
H: Peak Torque 250% (Rated Speed 1500min⁻¹) for Global (Outside Japan)
K: Peak Torque 226% (Rated Speed 1500min⁻¹) for Global (Outside Japan)
N: Peak Torque 264 - 286% (Rated Speed 1500min⁻¹)
for Global (Outside Japan)
S: Peak Torque 250% (Rated Speed 1500min⁻¹) for Global
T: Peak Torque 210 - 230% (Rated Speed 1000min⁻¹) for Global
L: Peak Torque 200 - 220% (Rated Speed 800min⁻¹) for Global
V: Peak Torque 250% (Rated Speed 1500min⁻¹) for Global

f. Shaft Type:

2: Straight, without key (Flange-mounted Type)
6: Straight, with key and tap (Flange-mounted Type)
K: Straight, without key (Foot-mounted Type)
L: Straight, with key and tap (Foot-mounted Type)

Certificate Attachment
Certificate No.



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B 16 12 22021 704

g. Optional parts:

- N: Without option
- 1: With dust seal (V type)
- S: With oil seal (S type)
- B: With holding brake (DC90V)
- C: With holding brake (DC24V)
- D: With oil seal and holding brake (DC90V)
- E: With oil seal and holding brake (DC24V)
- F: With dust seal and holding brake (DC90V)
- G: With dust seal and holding brake (DC24V)

Nomenclature for Exclusive Design for Customer:

SGMVV - 2B A x x - x x x x
 a b c d e f g h i

a to e: Same as Standard

f, g: Customer Code

h, i: Design Revision Order for Customer

IP class:

No.	Oil seal or dust seal of drive end side	
	None	With
1	IP 44 Except for drive end side	IP 44