



Product Service

CERTIFICATE

No. B 16 10 22021 665

Holder of Certificate: Yaskawa Electric Corp.
Tokyo Plant480 Kamifujisawa, Iruma
Saitama 358-8555
JAPAN**Production Facility(ies):** 92431**Certification Mark:****Product:** AC Servo Systems
AC Servo Motor**Model(s):** SGM7D series
(See Attachment for Nomenclature)**Parameters:**
Rated voltage: 200 V, 3 phases
Rated current: 1.1 to 8.1 Arms
Rated output power: 16-817 W
Degree of protection: IP20 / IP30
Protection class: I
Remark:
When installing / inserting the equipment, all requirements of the mentioned test standard 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.: 73554551-01**Valid until:** 2021-09-29**Date,** 2016-10-04

(Yoshio Sato)

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Electrical ratings –

SGM7D series

Motor type	Rated output (W)	Rated torque (N·m)	Rated speed (min ⁻¹)	Max. speed (min ⁻¹)	Rated current (A)	Supply Voltage / Phase	Rated	Thermal class
SGM7D-30Fxxxx	188	30.0	60	72	5.7	200 / 3	CONT	F (155)
SGM7D-58Fxxxx	364	58.0	60	72	6.4	200 / 3	CONT	F (155)
SGM7D-90Fxxxx	565	90.0	60	72	5.9	200 / 3	CONT	F (155)
SGM7D-1AFxxxx	691	110	60	72	5.0	200 / 3	CONT	F (155)
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SGM7D-01Gxxxx	16	1.30	120	150	1.7	200 / 3	CONT	F (155)
SGM7D-05Gxxxx	63	5.00	120	150	1.6	200 / 3	CONT	F (155)
SGM7D-08Gxxxx	101	8.00	120	144	3.4	200 / 3	CONT	F (155)
SGM7D-18Gxxxx	226	18.0	120	144	3.4	200 / 3	CONT	F (155)
SGM7D-24Gxxxx	302	24.0	120	144	3.1	200 / 3	CONT	F (155)
SGM7D-34Gxxxx	320	34.0	90	144	3.3	200 / 3	CONT	F (155)
SGM7D-45Gxxxx	565	45.0	120	144	4.8	200 / 3	CONT	F (155)
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SGM7D-03Hxxxx	38	3.00	120	150	1.1	200 / 3	CONT	F (155)
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SGM7D-28Ixxxx	264	28.0	90	108	5.2	200 / 3	CONT	F (155)
SGM7D-70Ixxxx	440	70.0	60	72	5.6	200 / 3	CONT	F (155)
SGM7D-1ZIxxxx	628	100	60	72	5.5	200 / 3	CONT	F (155)
SGM7D-1CIxxxx	817	130	60	72	5.0	200 / 3	CONT	F (155)
SGM7D-2BIxxxx	691	220	30	60	5.6	200 / 3	CONT	F (155)
SGM7D-2DIxxxx	754	240	30	48	4.8	200 / 3	CONT	F (155)
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SGM7D-06Jxxxx	75	6.00	120	144	4.0	200 / 3	CONT	F (155)
SGM7D-09Jxxxx	113	9.00	120	144	3.4	200 / 3	CONT	F (155)
SGM7D-18Jxxxx	226	18.0	120	144	3.0	200 / 3	CONT	F (155)
SGM7D-20Jxxxx	251	20.0	120	144	2.2	200 / 3	CONT	F (155)
SGM7D-38Jxxxx	358	38.0	90	144	3.1	200 / 3	CONT	F (155)
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SGM7D-02Kxxxx	52	2.06	240	360	1.6	200 / 3	CONT	F (155)
SGM7D-06Kxxxx	151	6.00	240	360	1.8	200 / 3	CONT	F (155)
SGM7D-08Kxxxx	201	8.00	240	360	1.6	200 / 3	CONT	F (155)
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SGM7D-06Lxxxx	113	6.00	180	216	1.7	200 / 3	CONT	F (155)
SGM7D-12Lxxxx	226	12.0	180	216	2.1	200 / 3	CONT	F (155)
SGM7D-30Lxxxx	565	30.0	180	216	8.1	200 / 3	CONT	F (155)

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Nomenclature:

Standard:

$\frac{\text{SGM7D}}{\text{a}}$ - $\frac{30}{\text{b}}$ $\frac{\text{F}}{\text{c}}$ $\frac{\text{F}}{\text{d}}$ $\frac{\text{C}}{\text{e}}$ $\frac{4}{\text{f}}$ $\frac{1}{\text{g}}$

a. Motor Type: SGM7D

b. Rated Torque (Nm):

30:	30.0
58:	58.0
90:	90.0
1A:	110
01:	1.30
05:	5.00
08:	8.00
18:	18.0
24:	24.0
34:	34.0
45:	45.0
03:	3.00
28:	28.0
70:	70.0
1Z:	100
1C:	130
2B:	220
2D:	240
06:	6.00
09:	9.00
20:	20.0
38:	38.0
02:	2.06
12:	12.0

c. Motor Outer Diameter (mm):

F:	264 dia.
G:	158 dia., 160 dia.
H:	116 dia.
I:	264 dia.
J:	145 dia., 150 dia.
K:	107 dia.
L:	224 dia.

d. Encoder:

F:	24bit Serial Incremental Value
7:	24bit Serial Absolute Value (Multi turn)

e. Design Revision Order

C:	Standard
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f. Lead Position:

4:	Side
5:	Bottom

g. Optional specification:

1:	Standard
2:	High Precision

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Exclusive Design for Customer:

$\frac{\text{SGM7D}}{\text{a}}$ - $\frac{30}{\text{b}}$ $\frac{\text{F}}{\text{c}}$ $\frac{\text{F}}{\text{d}}$ $\frac{\text{C}}{\text{e}}$ - $\frac{*}{\text{f}}$ $\frac{*}{\text{g}}$ $\frac{*}{\text{h}}$ $\frac{*}{\text{i}}$

a. Motor Type: SGM7D

b. Rated Torque (Nm):

30:	30.0
58:	58.0
90:	90.0
1A:	110
01:	1.30
05:	5.00
08:	8.00
18:	18.0
24:	24.0
34:	34.0
45:	45.0
03:	3.00
28:	28.0
70:	70.0
1Z:	100
1C:	130
2B:	220
2D:	240
06:	6.00
09:	9.00
20:	20.0
38:	38.0
02:	2.06
12:	12.0

c. Motor Outer Diameter (mm):

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d. Encoder:

F:	24bit Serial Incremental Value
7:	24bit Serial Absolute Value (Multi turn)

e. Design Revision Order

C:	Standard
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f,g. Customer Code:

May be any letter A – Z

h,i. Design Revision Order for Customer:

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

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INTERNATIONAL PROTECTION CLASS (IP class)

Motor type	IP Class
SGM7D-xxFxxxx	IP20
SGM7D-01Gxxxx SGM7D-05Gxxxx	IP30
SGM7D-xxGxxxx except SGM7D-01Gxxxx and SGM7D-05Gxxxx	IP20
SGM7D-xxHxxxx	IP30
SGM7D-xxIxxxx	IP30
SGM7D-xxJxxxx	IP30
SGM7D-xxKxxxx	IP30
SGM7D-xxLxxxx	IP30