



Product Service

CERTIFICATE

No. Z10 022733 0056 Rev. 01

Holder of Certificate: **Yaskawa Electric Corporation**
Inverter Plant
2-13-1 Nishimiyaichi
Yukuhashi, Fukuoka
824-8511 JAPAN

Certification Mark:



Product: **AC Servo Systems**
AC Inverter

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 and certification regulations of TÜV SÜD Group have to be complied. For details see: www.tuvsud.com/ps-cert

Test report no.: YY93685C

Valid until: 2025-03-15

Date, 2021-02-24

(Guido Neumann)

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CERTIFICATE

No. Z10 022733 0056 Rev. 01

Parameters:	Rated voltage	200 to 240 VAC 200 to 240 V3AC 380 to 480 V3AC
	Rated frequency	50/60 Hz
	Rated input current	See next pages
	Protective class	I
	Overvoltage category	III
	Safety function	STO
		SIL 3 acc. to IEC/EN 61800-5-2
		SIL 3 acc. to IEC/EN 61508
		SILCL 3 acc. to IEC/EN 62061
		Cat. 3, PL e acc. to ISO/EN ISO 13849-1

Tested according to:

- IEC 61508-1:2010 (SIL 3)
- IEC 61508-2:2010 (SIL 3)
- EN 61508-1:2010 (SIL 3)
- EN 61508-2:2010 (SIL 3)
- ISO 13849-1:2015
- EN ISO 13849-1:2015 (Cat. 3, PL e)
- IEC 62061:2005
- IEC 62061:2005/AMD1:2012
- IEC 62061:2005/AMD2:2015
- EN 62061:2005/A2:2015 (SILCL 3)
- IEC 61800-5-1:2007
- IEC 61800-5-1:2007/AMD1:2016
- EN 61800-5-1:2007/A1:2017
- IEC 61800-5-2:2016
- EN 61800-5-2:2017
- IEC 61326-3-1:2017
- EN 61326-3-1:2017
- IEC 61000-6-7:2014
- EN 61000-6-7:2015

CERTIFICATE

No. Z10 022733 0056 Rev. 01

Model(s): **GA500 Inverter Series**

CIPR - GA50 * * * * * * * - * * * * * * * - ******
A - B C D E F G H I - J K L M N O - P

with: A to I: Basic Code
 J to O: Optional Code
 (Control terminal, option cards, keypad and software setting. Not related to LVD.)
 P: Custom Code
 (Custom software and initial software setting. Not related to LVD.)

Basic Code

A: General purpose Inverter

Group	Model	Note
CIPR	Yaskawa new generation inverter	--

B: Basic name of Inverter Series

Group	Model	Note
GA50	GA500 General purpose Inverter Series	--

C: Regional specification for initial software setting

Group	Model	Note
A to Z	Regional specification for initial software setting	Non-safety related

D: Rated Voltage

Group	Model	Note
2	200V 3-phase	--
4	400V 3-phase	--
B	200V 1-phase	--

E: Rated output current

D: 2 (200V 3 phase)

Frame	Model	Rating (HD)			
	GA500	Maximum Applicable Motor Capacity (HP)	Maximum Applicable Motor Capacity (kW)	Input Current [A]	Output Current [A]
V1	001	1/6	0.1	0.7	0.8
	002	1/4	0.2	1.5	1.6
	004	1/2	0.4/0.55	2.9	3.0
	006	1	0.75/1.1	5.8	5.0
V2	008	1.5	1.1	7.0	6.9
	010	2	1.5	7.5	8.0
	012	3	2.2	11	11.0
V3	018	4	3	15.6	14.0
	021	5	3.7/4.0	18.9	17.6
V5	030	7.5	5.5	24	25
	042	10	7.5	37	33

CERTIFICATE

No. Z10 022733 0056 Rev. 01

V6	056	15	11	52	47
V7	070	20	15	68	60
	082	25	18.5	96	75

D: 4 (400V 3 phase)

Frame	Model	Rating (HD)			
	GA500	Maximum Applicable Motor Capacity (HP)	Maximum Applicable Motor Capacity (kW)	Input Current [A]	Output Current [A]
V2	001	1/2	0.2/0.37	1.2	1.2
	002	3/4	0.4/0.55	1.8	1.8
	004	2	0.75/1.1	3.2	3.4
	005	3	1.5	4.4	4.8
	007	3	2.2	6.0	5.6
V3	009	4	3.0	8.2	7.3
	012	5	3.7/4.0	10.4	9.2
V5	018	10	5.5	15	14.8
	023	10	7.5	20	18.0
V6	031	15	11.0	29	24.0
	038	20	15.0	39	31.0
V8	044	25	18.5	50.5	39.0
	060	30	22.0	59.7	45.0

D: B (200V 1 phase)

Frame	Model	Rating (HD)			
	GA500	Maximum Applicable Motor Capacity (HP)	Maximum Applicable Motor Capacity (kW)	Input Current [A]	Output Current [A]
V1	001	1/6	0.1	1.4	0.8
	002	1/4	0.2	2.8	1.6
	004	1/2	0.4/0.55	5.5	3
V2	006	1	0.75/1.1	11	5
	010	2	1.5	14.1	8
V3	012	3	2.2	20.6	11
V4	018	5	3.7/4.0	35.0	17.6

F: EMC filter option

Group	Model	Note
A	No built-in filter	--
E	built-in filter	--

G: Enclosure

Group	Model	Note
B	IP20	--
F	IP20, UL Type1	--
J	IP20, Finless	Only Frame V1-V3

CERTIFICATE

No. Z10 022733 0056 Rev. 01

H: Environmental Specification

Group	Model	Note
A	Standard (Conformal coating PCB)	Non-safety related
B to Z	Put any alphabet for an Environmental Specification	Non-safety related

I: Design Spec

Group	Comment	Note
A to Z	Put any alphabet for a design Spec	Non-safety related

Optional Code

J: Control terminal option

Group	Comment	Note
A to Z	Put any alphabet for a Control terminal setting.	Non-safety related

K: Option setting in slot A

Group	Comment	Note
A to Z	Put any alphabet for a Option setting in slot A	Non-safety related

L: Option setting

Group	Comment	Note
A	Standard	Non-safety related

M: Option setting

Group	Comment	Note
A	Standard	Non-safety related

N: Keypad option

Group	Comment	Note
A to Z	Put any alphabet for a Keypad	Non-safety related

O: Sub-application software setting

Group	Comment	Note
A to Z	Put any alphabet for a Sub-application software	Non-safety related

Custom Code

P: Custom setting

Group	Comment	Note
0000 to 9999	Put any numeric for a Custom setting	Non-safety related