



Product Service

CERTIFICATE

No. Z10 022733 0056 Rev. 02

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: 2028-08-16

Date, 2023-09-01

(Christian Dirmeier)



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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 Maximum SIL 3 acc. to IEC/EN 62061 Cat. 3, PL e acc. to EN ISO 13849-1

Tested according to:	IEC 61508-1:2010
	IEC 61508-2:2010
	EN 61508-1:2010
	EN 61508-2:2010
	EN ISO 13849-1:2015
	EN IEC 62061:2021
	EN 61800-5-1:2007/A11:2021
	EN 61800-5-2:2007
	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	
IEC 62061:2021	

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

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Nomenclature for GA500 Inverter Series:

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

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 (non-safety related)

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

D: Rated Voltage

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

E: Rated output current with D: 2(200V 3phase)

Model	Rating (HD)			
	Maximum Applicable Motor Capacity (HP)	Maximum Applicable Motor Capacity (kW)	Input Current [A]	Output Current [A]
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
008	1.5	1.1	7.0	6.9
010	2	1.5	7.5	8.0
012	3	2.2	11	11.0
018	4	3	15.6	14.0
021	5	3.7/4.0	18.9	17.6
030	7.5	5.5	24	25
042	10	7.5	37	33
056	15	11	52	47
070	20	15	68	60
082	25	18.5	96	75

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E: Rated output current
with D: 4(400V 3phase)

Model	Rating (HD)			
	Maximum Applicable Motor Capacity (HP)	Maximum Applicable Motor Capacity (kW)	Input Current [A]	Output Current [A]
GA500				
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
009	4	3.0	8.2	7.3
012	5	3.7/4.0	10.4	9.2
018	10	5.5	15	14.8
023	10	7.5	20	18.0
031	15	11.0	29	24.0
038	20	15.0	39	31.0
044	25	18.5	50.5	39.0
060	30	22.0	59.7	45.0

E: Rated output current
with D: B (200V 1phase)

Model	Rating (HD)			
	Maximum Applicable Motor Capacity (HP)	Maximum Applicable Motor Capacity (kW)	Input Current [A]	Output Current [A]
GA500				
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
006	1	0.75/1.1	11	5
010	2	1.5	14.1	8
012	3	2.2	20.6	11
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	Except model 082(200V 3phase) and 018(200V 1phase)

H: Environmental Specification (non-safety related)

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

I: Design Spec (non-safety related)

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

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Optional Code

J: Customize Specification of Control module (non-safety related)

Group	Comment	Note
A to C, E to R	Put any alphabet for a Control terminal setting.	--

K: Option setting in slot A (non-safety related)

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

L: Option setting (non-safety related)

Group	Comment	Note
A	Standard	--

M: Option setting (non-safety related)

Group	Comment	Note
A	Standard	--

N: Keypad option (non-safety related)

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

O: Sub-application software setting (non-safety related)

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

Custom Code

P: Custom setting (non-safety related)

Group	Comment	Note
0000 to 9999	Put any numeric for a Custom setting.	--