

EC-Type Examination Certificate

No. M6A 022733 0061 Rev. 00

Holder of Certificate:

Yaskawa Electric Corporation

Inverter Plant

2-13-1 Nishimiyaichi

Yukuhashi, Fukuoka

824-8511 JAPAN

Product:

AC Servo Systems

AC Inverter

Model(s):

LA500 Inverter Series

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 Cat. 3, PL e acc. to EN ISO 13849-1

This EC Type Examination Certificate is issued according to Article 12(3) b or 12(4) a of Council Directive 2006/42/EC relating to machinery. It confirms that the listed Annex-IV equipment complies with the principal protection requirements of the directive. It refers only to the sample submitted to TÜV SÜD Product Service GmbH for testing and certification. For details see: www.tuvsud.com/ps-cert

Test report no.:

YY102517C

Valid until: 2029-05-16

Date, 2024-05-17



(Christian Dirmeier)

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Nomenclature of LA500 Series

CIPR- LA50 * * * * * * * - * * A A * * - ******
A B C D E F G H I J K L M N O P

From A to I: Basic Code

From 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
CIPR	Yaskawa new generation inverter

B: Basic name of Inverter Series

Group	Model
LA50	LA500 Inverter series

C: Regional specification for initial software setting (non-safety related)

Group	Model
A to Z	Regional specification for initial software setting

D: Rated Voltage

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

E: Rated output current

D: 2 (200V 3-phase)

Model	Rating (HD)			
	Maximum Applicable Motor Capacity (HP)	Maximum Applicable Motor Capacity (kW)	Input Current [A]	Output Current [A]
007	1.5	1.1	7.0	6.9
008	2	1.5	7.5	8.0
011	3	2.2	11	11.0
014	4	3	15.6	14.0
018	5	3.7/4.0	18.9	17.6
025	7.5	5.5	24	25
033	10	7.5	37	33
047	15	11	52	47
060	20	15	68	60
075	25	18.5	96	75

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D: 4 (400V 3-phase)

Model	Rating (HD)			
LA500	Maximum Applicable Motor Capacity (HP)	Maximum Applicable Motor Capacity (kW)	Input Current [A]	Output Current [A]
003	2	0.75/1.1	3.2	3.4
005	3	1.5	4.4	4.8
006	3	2.2	6.0	5.6
008	4	3.0	8.2	7.3
009	5	3.7/4.0	10.4	9.2
015	10	5.5	15	14.8
018	10	7.5	20	18.0
024	15	11.0	29	24.0
031	20	15.0	39	31.0
039	25	18.5	50.5	39.0
045	30	22.0	59.7	45.0

D: B (200V 1-phase)

Model	Rating (HD)			
LA500	Maximum Applicable Motor Capacity (HP)	Maximum Applicable Motor Capacity (kW)	Input Current [A]	Output Current [A]
005	1	0.75/1.1	11	5
008	2	1.5	14.1	8
011	3	2.2	20.6	11
018	5	3.7/4.0	35.0	17.6

F: EMC filter option

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

G: Enclosure

Group	Model
B	IP20
F	IP20, UL Type1
J	IP20, Finless Except model 075 (200V 3-phase) and 018 (200V 1-phase)

H: Environmental Specification (non-safety related)

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

I: Design Spec (non-safety related)

Group	Comment
B to Z	Put any alphabet for a design Spec.

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Optional Code

J: Control terminal option (non-safety related)

Group	Comment
A to Z	Put any alphabet for a Control terminal setting.

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

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

L: Option setting in slot B (non-safety related)

Group	Comment
A	Standard

M: Option setting in slot C (non-safety related)

Group	Comment
A	Standard

N: Keypad option (non-safety related)

Group	Comment
A to Z	Put any alphabet for a Keypad.

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

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

Custom Code

P: Custom setting (non-safety related)

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