



CERTIFICATE

No. Z10 10 03 22733 027

Holder of Certificate: Yaskawa Electric Corporation
Inverter Plant

2-13-1 Nishimiyaichi
Yukuhashi, Fukuoka
824-8511 JAPAN

Factory(ies): 51347, 63989, 38663, 42802

Certification Mark:



Product: AC Servo Systems
AC Inverter

Model(s): CIMR-L1000A Series
For nomenclature see attachment

Parameters:

Rated voltage:	200 to 240 V3ac 380 to 480 V3ac
Rated frequency:	50/60 Hz
Rated input current:	7.5 to 394 A 4.4 to 207 A

Tested according to: EN ISO 13849-1:2008 (Cat. 3, PL d)
IEC 61800-3:2004 / EN 61800-3:2004
IEC 61800-5-1:2007 / EN 61800-5-1:2007
EN 55011/A2:2007
IEC 61508:1998 / EN 61508:2001 Part 1,3,4 (SIL 2)
IEC 61508-2:2000 / EN 61508-2:2001 (SIL 2)

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.: 717502425

Date, 2010-03-31 (Alfred Beer)



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ATTACHMENT

to certificate

No. · Z10 10 03 22733 027

Nomenclature of L1000A Series

- | | | | | | | | | |
|---------------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|--------------------------------|-----------------------------|-----------------------------|-----------------------------|
| $\frac{\text{CIMR-}}{\text{A}}$ | $\frac{\text{L}}{\text{B}}$ | $\frac{\text{A}}{\text{C}}$ | $\frac{\text{2}}{\text{D}}$ | $\frac{\text{A}}{\text{E}}$ | $\frac{\text{0001}}{\text{F}}$ | $\frac{\text{A}}{\text{G}}$ | $\frac{\text{A}}{\text{H}}$ | $\frac{\text{*}}{\text{J}}$ |
|---------------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|--------------------------------|-----------------------------|-----------------------------|-----------------------------|
- A** General purpose Inverter
- B** Basic name of Inverter Series
L: L1000A Series
- C** Regional specification for initial software setting
A: Japan Spec.
B: China Spec.
C: Europe Spec.
U: USA Spec.
T: Asia Spec.
- D** Rated Voltage
2: 200V3ac
4: 400V3ac
- E** Based series
A: A1000 Series
- F** Rated output
200V3ac:

Normal duty use (120% load 1 minute)			Heavy-duty use (150% load 1 minute)		
Model	Rated current (A)	Maximum applicable motor HP (KW)	Model	Rated current (A)	Maximum applicable motor HP (KW)
0008	9,6	3(2,2)	0008	8	2(1,5)
0011	12	4(3)	0011	11	3(2,2)
0014	17,5	5(3,7)	0014	14	4(3)
0018	21	7,5(5,5)	0018	17,5	5(3,7)
0025	30	10(7,5)	0025	25	7,5(5,5)
0033	40	15(11)	0033	33	10(7,5)



Normal duty use (120% load 1 minute)			Heavy-duty use (150% load 1 minute)		
Model	Rated current (A)	Maximum applicable motor HP (KW)	Model	Rated current (A)	Maximum applicable motor HP (KW)
0047	56	20(15)	0047	47	15(11)
0060	69	25(18,5)	0060	60	20(15)
0075	81	30(22)	0075	75	25(18,5)
0085	110	40(30)	0085	85	30(22)
0115	138	50(37)	0115	115	40(30)
0145	169	60(45)	0145	145	50(37)
0180	211	75(55)	0180	180	60(45)
0215	250	100(75)	0215	215	75(55)
0283	312	120(90)	0283	283	100(75)
0346	360	146(110)	0346	346	120(90)
0415	-	-	0415	415	146(110)

400V3ac:

Normal duty use (120% load 1 minute)			Heavy-duty use (150% load 1 minute)		
Model	Rated current (A)	Maximum applicable motor HP (KW)	Model	Rated current (A)	Maximum applicable motor HP (KW)
0005	5,4	3(2,2)	0005	4,8	2(1,5)
0006	6,9	4(3)	0006	5,5	3(2,2)
0007	8,8	5(3,7)	0007	7,2	4(3)
0009	11,1	7,5(5,5)	0009	9,2	5(3,7)
0015	17,5	10(7,5)	0015	14,8	7,5(5,5)
0018	23	15(11)	0018	18	10(7,5)
0024	31	20(15)	0024	24	15(11)
0031	38	25(18,5)	0031	31	20(15)
0039	44	30(22)	0039	39	25(18,5)
0045	58	40(30)	0045	45	30(22)
0060	72	50(37)	0060	60	40(30)
0075	88	60(45)	0075	75	50(37)
0091	103	75(55)	0091	91	60(45)
0112	139	100(75)	0112	112	75(55)
0150	165	125(90)	0150	150	100(75)
0180	208	155(110)	0180	180	127(90)
0216	250	186(132)	0216	216	155(110)



- G** Enclosure
- A: IP00
 - B: IP20 (only bottom cover and up to 2x0115 and 4x0091)
 - C: IP20 (only bottom cover for 2x0415, 2x0180, 4x0112, 4x0150)
 - D: IP00 (put top cover as putting enclosure type F)
 - F: IP20 (NEMA1) [excl. 2x0415]
- H** Countermeasure for air pollution
- A: Standard
 - B to Z: Countermeasure for air pollution (non safety relevant)
- J** Design version
- A: Functional safety compliance

Department: **TR-RA/MUC**
Date: **2010-03-31**

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