



Product Service

EC-Statement of Compliance

No. E6 12 10 21347 099

Holder of Certificate: Yaskawa Electric Corporation
Yahata Plant

2-3 Kitakukioka Maeda Yahatahigashi-Ku
Kitakyusyu-City
Fukuoka
805-0058 JAPAN

Name of Object: Industrial, Scientific and Medical
equipment
AC Spindle Motor

Model(s): UA Series, USA Series:
 UAK*-P3*****, UAK*-P7*****,
 UAK*-01*****, UAK*-02*****,
 UAK*-03*****, UAK*-04*****,
 UAK*-06*****, UAK*-08*****,
 UAK*-11*****, UAK*-15*****,
 UAK*-19*****, UAK*-22*****,
 UAK*-30*****, UAK*-37*****,
 UAK*-45*****, UAK*-55*****,
 UAK*-75*****,
 USA***-30-*****-*, USA***-50-*****-*
 (See Attachment for Nomenclature)

Description of Object:

Rated Power: 0.2 kW-75 kW
 Rated voltage: 200 VAC/400 VAC
 Protection Class: I
 EMC Classification: Group 1, Class A(EN 55011)
 EMI: Category C2,
 EMS: second environment
 (EN 61800-3)

Tested according to: EN 55011/A1:2010
 EN 61000-6-2:2005
 EN 61800-3:2004

This EC-Statement of Compliance is issued according to the Directive 2004/108/EC relating to electromagnetic compatibility. It confirms that the listed apparatus complies with such aspects of the essential requirements of the EMC directive as specified by the manufacturer or his authorized representative in the European Community and applies only to the sample and its technical documentation submitted to TÜV SÜD Product Service GmbH for testing and certification. See also notes overleaf.

Technical report no.: 73539063

Date, 2012-10-22 (Johann Roidt)

TÜV SÜD Product Service GmbH is Notified Body to the Directive 2004/108/EC of the European Parliament and of the council with the identification number 0123.



Attachment

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Product Service

Nomenclature

(1) Standard

$\frac{UA}{a}$ $\frac{K}{b}$ $\frac{A-}{c}$ $\frac{01}{d}$ * * * * * * * *

- a: Kind of motor ... AC Spindle Motor
- b: Cooling method ... K- Totally enclosed externally fan cooled type IP44
- c: Output power ... A- Standard Series
- ... B- Winding Selection Series
- ... AJ- Standard J Series
- ... BJ- Winding Selection J Series

d: Motor capacity

A (kW) = S3 Output Power					
P3	$0.0 < A \leq 0.3$	06	$3.7 < A \leq 5.5$	30	$22 < A \leq 30$
P7	$0.3 < A \leq 0.75$	08	$5.5 < A \leq 7.5$	37	$30 < A \leq 37$
01	$0.75 < A \leq 1.1$	11	$7.5 < A \leq 11.0$	45	$37 < A \leq 45$
02	$1.1 < A \leq 1.5$	15	$11.0 < A \leq 15.0$	55	$45 < A \leq 55$
03	$1.5 < A \leq 2.2$	19	$15.0 < A \leq 18.5$	75	$55 < A \leq 75$
04	$2.2 < A \leq 3.7$	22	$18.5 < A \leq 22.0$		

- e: Design revision order ... A- Standard Type
- ... B- High Speed Type
- ... C- Standard Type J Series
- ... D- High Speed Type J Series
- f: Detector ... Z- Magnetic pulse encoder type
- ... S- Magnetic serial encoder type
- ... R- Resolver type
- ... N- Without detector
- g: Mounting ... 1- Flange mounted type
- ... 3- Foot mounted type
- h: Detail of shaft extension ... Blank or 0- Standard (with keyway)
- ... N- without keyway
- i: KD direction ... Blank or 0- Standard
- (Left hand side facing the drive end)
- ... R- Right hand side facing the drive end
- j: Supply voltage ... Blank- 200V
- ... E- 400V

Attachment

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Product Service

(2) Exclusive design for customer (Type A : Yaskawa form)

UA K A- 01 * * * * * * *
 a b c d e f g h i j k

- a: Kind of motor ... AC Spindle Motor for exclusive customer
- b: Cooling method ... K- Totally enclosed externally fan cooled type IP44
- c: Output power ... A- Standard Series
- ... B- Winding Selection Series
- ... AJ- Standard J Series
- ... BJ- Winding Selection J Series

d: Motor capacity

A (kW) = S3 Output Power					
P3	0.0 < A ≤ 0.3	06	3.7 < A ≤ 5.5	30	22 < A ≤ 30
P7	0.3 < A ≤ 0.75	08	5.5 < A ≤ 7.5	37	30 < A ≤ 37
01	0.75 < A ≤ 1.1	11	7.5 < A ≤ 11.0	45	37 < A ≤ 45
02	1.1 < A ≤ 1.5	15	11.0 < A ≤ 15.0	55	45 < A ≤ 55
03	1.5 < A ≤ 2.2	19	15.0 < A ≤ 18.5	75	55 < A ≤ 75
04	2.2 < A ≤ 3.7	22	18.5 < A ≤ 22.0		

- e: Design revision order ... A- Standard Type
- ... B- High Speed Type
- ... C- Standard Type J Series
- ... D- High Speed Type J Series

f,g: Customer code

h,i: Design revision order for customer

- j,k: Supply voltage ... Blank- 200V
- ... OE- 400V

Attachment

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Product Service

(3) Exclusive Design for Customer

USA I K M J - 10 - * * * * * - *
 a b c d e f g h i j k l m

- a: Kind of motor ... AC Spindle Motor (Synchronous Type)
- b: Output Power ... I- Standard Series (3Leads)
 ... J- Winding Selection Series (6Leads)
 ... B- Winding Selection Series (9Leads)
- c: Cooling Method ... K- Totally enclosed externally Fan-Cooled type IP44
 ... W- Totally enclosed Liquid-cooled type IP44
- d: Magnet Material ... M- Nd-Fe-B Magnet
- e: Motor series ... Blank- Standard Series
 ... J- J Series

f: Motor Capacity
 (1) Standard

A (kW) = S1 Output Power							
10	0<=A<2.0	1A	10<=A<12	2A	20<=A<22	3A	30<=A<32
20	2.0<=A<3.0	1B	12<=A<13	2B	22<=A<23	3B	32<=A<33
30	3.0<=A<4.0	1C	13<=A<14	2C	23<=A<24	3C	33<=A<34
40	4.0<=A<5.0	1D	14<=A<15	2D	24<=A<25	3D	34<=A<35
50	5.0<=A<6.0	1E	15<=A<16	2E	25<=A<26	3E	35<=A<36
60	6.0<=A<7.0	1F	16<=A<17	2F	26<=A<27	3F	36<=A<37
70	7.0<=A<8.0	1G	17<=A<18	2G	27<=A<28	3G	37<=A<38
80	8.0<=A<9.0	1H	18<=A<19	2H	28<=A<29	3H	38<=A<39
90	9.0<=A<10	1I	19<=A<20	2I	29<=A<30	3I	39<=A<40

(2) Exception

- USAIKM-50-BK3*-* S1 Output Power:6(kW)
- USAIKM-50-BK4*-* S1 Output Power:7.3(kW)

g,h: Customer Code

i,j: Design Revision Order for Customer

- k: Supply Voltage ... Blank- 200V
 ... O- 400V

- l: Supply Voltage ... Blank- 200V
 ... E- 400V

- m: Design Number ... Blank, A~Z