



Product Service

EC-Statement of Compliance

No. E6 09 07 25554 018

Holder of Certificate: Mitsubishi Electric CorporationTokyo BILD., 2-7-3 Marunouchi,
Chiyoda-kuTokyo
100-8310 JAPAN**Name of Object:** Industrial Robot

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.: TYOEMC23260A**Date,** 2009-07-14

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.

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EC-Statement of Compliance**No. E6 09 07 25554 018****Model(s):****RV-3S series, RH-xSH series****a) 6-axis Robot Arm:****RV-3S, RV-3SC,****RV-3SB, RV-3SBC,****RV-3S-S3xx, RV-3SC-S3xx,****RV-3SB-S3xx, RV-3SBC-S3xx,****b) 5-axis Robot Arm:****RV-3SJ, RV-3SJC,****RV-3SJB, RV-3SJBC,****RV-3SJ-S3xx, RV-3SJC-S3xx,****RV-3SJB-S3xx, RV-3SJBC-S3xx,****RH-xSH series****c) 4-axis Robot arm, RH-6SHseries:****RH-6SH3520, RH-6SH4520,****RH-6SH5520, RH-6SH3517M,****RH-6SH4517M, RH-6SH5517M,****RH-6SH3517C, RH-6SH4517C,****RH-6SH5517C,****d) 4-axis Robot arm, RH-6SH-S3xxseries:****RH-6SH3520-S3xx, RH-6SH4520-S3xx,****RH-6SH5520-S3xx, RH-6SH3517M-S3xx,****RH-6SH4517M-S3xx, RH-6SH5517M-S3xx,****RH-6SH3517C-S3xx, RH-6SH4517C-S3xx,****RH-6SH5517C-S3xx,****e) 4-axis Robot arm, RH-12SH/18SH series:****RH-12SH5535, RH-12SH7035,****RH-12SH8535, RH-18SH8535,****RH-12SH5530M, RH-12SH7030M,****RH-12SH8530M, RH-18SH8530M,****RH-12SH5530C, RH-12SH7030C,****RH-12SH8530C, RH-18SH8530C****(See Attachment for Nomenclature)****Description of Object:**

Rated Voltage:

230 VAC, 1 Phase

Rated Power:

0.9 kW/1.7 kW

Protection Class:

I

Tested according to:

EN 61000-6-4:2007; EN 61000-6-2:2005

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Group a, b Model name description is shown as follows.

RV-3 S J B x - x
(1)(2)(3) (4) (5) (6) (7)

- (1) V: Vertical Robot
(2) Rated Payload specification:
3 : 3kg
(3) S : S series robot
(4) J : 5 axes exist
[none]: 6 axes exist
(5) B : All axes are equipped with brake
[none]: Basic model
J4 axis and J6 axis are not equipped with brake.
(6) C : Clean room model
[none]: Basic model
(7) Special specification number
Pilot number and specification as follows
S3xx: driven by R/C CR2B-574
[none] means S00 : driven by R/C CR1B-571

Number xx of "S3xx" is specified in the table below.

Input/Output type	sink		source	
	Japanese	English	Japanese	English
Language				
Japanese Domestic	00			
Shipping		11		12

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Group c,d,e Model name description is shown as follows.

RH-x SH xx xx x - xx
 (1)(2)(3) (4) (5)(6) (7)

(1)H: Horizontal Robot

(2) Maximum Payload specification:

6 : 6kg

12 : 12kg

18 : 18kg

(3) S : S series robot

(4) Arm length(No1 and No2 arm) specification:

35 : 350 mm arm

45 : 450 mm arm

55 : 550 mm arm

70 : 700 mm arm

85 : 850 mm arm

(5) Z axis working area specification:

17 : 170 mm arm

20 : 200 mm arm

30 : 300 mm arm

35 : 350 mm arm

(6) Dimension and Ambient specification:

M : Oil mist model

C : Clean room model

[none] : Basic model

(7) Optional specification:

S3xx : driven by R/C CR2B-574

(only RH-6SHseries)

[none] : RH-6SHseries : driven by R/C CR1B-571

RH-12SH、RH18SHseries : driven by R/C CR2B-574

Number xx of "S3xx" is specified in the table below.

Input/Output type	sink		source	
Language	Japanese	English	Japanese	English
Japanese Domestic	00			
Shipping		11		12

EC Declaration of Conformity

We, the undersigned,

Manufacturer	MITSUBISHI ELECTRIC CORPORATION NAGOYA WORKS
Address, City	1-14,Yada-minami 5-chome, Higashi-ku, Nagoya 461-8670
Country	Japan
Phone number	+81 52 712 2354
Fax number/e-mail	+81 52 722 0384
Authorized representative in Europe	MITSUBISHI Electric Europe B.V
Address, City	40880 Ratingen
Country	Germany

Certify and declare under our sole responsibility that the following apparatus:

Type Name	Industrial Robot
Manufacturer	MITSUBISHI ELECTRIC CORPORATION NAGOYA WORKS
Brand	MELFA
Model No.	RH-xSH series
Restrictive use	For industrial environment only

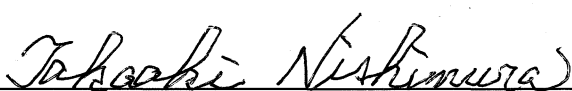
Conforms with the essential requirements of the **EMC Directive 2004/108/EC** and the **Machinery Directive 2006/42/EC**, based on the following specifications applied :

EU Harmonized Standards		Non-harmonized Standard
EMC (2004/108/EC)	EN61000-6-4:2007 EN61000-6-2:2005	CISPR 11:2003+A2:2006
Machinery (2006/42/EC)	Type A: Fundamental safety standards EN ISO12100-1:2003 EN ISO12100-2:2003 EN 1050:1997 Type B: Group safety standards B1: Safety aspects EN60204-1:2006, EN294:1992, EN349:1993 ISO13849-1:2006 Type C: Machine Safety standard ISO10218-1:2006	N/A

and therefore complies with the essential requirements and provisions of the EMC Directive and the Machinery Directive.

The Technical documentation is kept at the following address:

Company	mitsubishi Electric Europe B.V
Address, City	Gothaer St. 8 40880 Ratingen
Country	Germany
Phone number	+49 2102 486 0
Fax number	+49 2102 486 1120

Date	September 4, 2009
Name and position of person binding the manufacturer	 Takaaki Nishimura Manager Robot Manufacturing Department mitsubishi ELECTRIC CORPORATION NAGOYA WORKS

a.4-axis Robot Arm (RH-6SHseries)

Model Name	Robot Arm	Controller	Software Version
RH-6SH3520	BU160C946G51	TU117C171G01	K or Later
	BU160C946G71	TU117C171G01	
RH-6SH4520	BU160C946G52	TU117C171G01	K or Later
	BU160C946G72	TU117C171G01	
RH-6SH5520	BU160C946G53	TU117C171G01	K or Later
	BU160C946G73	TU117C171G01	
RH-6SH3517M	BU160C946G54	TU117C171G01	K or Later
	BU160C946G74	TU117C171G01	
RH-6SH4517M	BU160C946G55	TU117C171G01	K or Later
	BU160C946G75	TU117C171G01	
RH-6SH5517M	BU160C946G56	TU117C171G01	K or Later
	BU160C946G76	TU117C171G01	
RH-6SH3520C	BU160C946G60	TU117C171G01	K or Later
	BU160C946G80	TU117C171G01	
RH-6SH4520C	BU160C946G61	TU117C171G01	K or Later
	BU160C946G81	TU117C171G01	
RH-6SH5520C	BU160C946G62	TU117C171G01	K or Later
	BU160C946G82	TU117C171G01	

b.4-axis Robot Arm (RH-6SH-S300series)

Model Name	Robot Arm	Controller	Software Version
RH-6SH3520-S3xx	BU160C946G51	TU117C238G01	K or Later
	BU160C946G71	TU117C238G01	
RH-6SH4520-S3xx	BU160C946G52	TU117C238G01	K or Later
	BU160C946G72	TU117C238G01	
RH-6SH5520-S3xx	BU160C946G53	TU117C238G01	K or Later
	BU160C946G73	TU117C238G01	
RH-6SH3517M-S3xx	BU160C946G54	TU117C238G01	K or Later
	BU160C946G74	TU117C238G01	
RH-6SH4517M-S3xx	BU160C946G55	TU117C238G01	K or Later
	BU160C946G75	TU117C238G01	
RH-6SH5517M-S3xx	BU160C946G56	TU117C238G01	K or Later
	BU160C946G76	TU117C238G01	
RH-6SH3520C-S3xx	BU160C946G60	TU117C238G01	K or Later
	BU160C946G80	TU117C238G01	
RH-6SH4520C-S3xx	BU160C946G61	TU117C238G01	K or Later
	BU160C946G81	TU117C238G01	
RH-6SH5520C-S3xx	BU160C946G62	TU117C238G01	K or Later
	BU160C946G82	TU117C238G01	

c.4-axis Robot Arm (RH-12/18SH)

Model Name	Robot Arm	Controller	Software Version
RH-12SH5535	BU160C982G51	TU117C228G02	K or Later
	BU160C982G71	TU117C228G02	
RH-12SH7035	BU160C982G52	TU117C228G02	K or Later
	BU160C982G72	TU117C228G02	
RH-12SH8535	BU160C982G53	TU117C228G02	K or Later
	BU160C982G73	TU117C228G02	
RH-18SH8535	BU160C982G54	TU117C228G01	K or Later
	BU160C982G74	TU117C228G01	
RH-12SH5530M	BU160C982G55	TU117C228G02	K or Later
	BU160C982G75	TU117C228G02	
RH-12SH7030M	BU160C982G56	TU117C228G02	K or Later
	BU160C982G76	TU117C228G02	
RH-12SH8530M	BU160C982G57	TU117C228G02	K or Later
	BU160C982G77	TU117C228G02	
RH-18SH8530M	BU160C982G58	TU117C228G01	K or Later
	BU160C982G78	TU117C228G01	
RH-12SH5530C	BU160C982G59	TU117C228G02	K or Later
	BU160C982G79	TU117C228G02	
RH-12SH7030C	BU160C982G60	TU117C228G02	K or Later
	BU160C982G80	TU117C228G02	
RH-12SH8530C	BU160C982G61	TU117C228G02	K or Later
	BU160C982G81	TU117C228G02	
RH-18SH8530C	BU160C982G62	TU117C228G01	K or Later
	BU160C982G82	TU117C228G01	

■ Revision history

Date	Specifications No.	Details of revisions	Rev.
June 23, 2005		First print	*
April 6, 2006	P1	Standards update.	A
June 25 , 2009	P1	Standards update(2004/108/EC)	B
September 4, 2009	P1	Standards update(2006/42/EC)	C