

# Zertifikat

# Certificate



Zertifikat Nr. *Certificate No.*  
R 50413472

Blatt *Sheet*  
0044

Ihr Zeichen *Client Reference*  
K0011542

Unser Zeichen *Our Reference*  
ZJL--50151018 006

Ausstellungsdatum *Date of Issue*  
08.05.2019  
(day/mo/yr)

Genehmigungsinhaber *License Holder*  
Sanyo Denki Co., Ltd.  
3-33-1 Minami-Otsuka  
Toshima-ku, Tokyo  
170-8451 Japan

Fertigungsstätte *Manufacturing Plant*  
Sanyo Denki Co., Ltd.  
Fujiyama Factory  
4016 Fujiyama  
Ueda-shi, Nagano  
386-1212 Japan

## Prüfzeichen *Test Mark*



## Geprüft nach *Tested acc. to*

EN 62368-1:2014  
EN 60950-1:2006+A11+A1+A12+A2

Zertifiziertes Produkt (Geräteidentifikation)  
*Certified Product (Product Identification)*

Lizenzentgelte - Einheit  
*License Fee - Unit*

Fan Brushless DC Fan Motor, as page 0001

### Addition

Type Designation: San Ace 97W 9W1B type

Models:	9W1BMvvs2azxx	1
	9W1BMvvp2sazxx	1
	vv = 12 or 24	1
	s = H or M	
	a = A - Z or blank	
	z = 0 or 1	
	xx = 01 - 99	

Rated Voltage: 12 / 24 V d.c.

Rated Current: 1.3 / 0.65 A (max.)

3

## ANLAGE (Appendix): 5.2

Dem Zertifikat liegt unsere Prüf- und Zertifizierungsordnung zugrunde und es bestätigt die Konformität des Produktes mit den oben genannten Standards und Prüfgrundlagen. Zusätzliche Anforderungen in Ländern, in denen das Produkt in Verkehr gebracht werden soll, müssen zusätzlich betrachtet werden. Die Herstellung des zertifizierten Produktes wird überwacht.

This certificate is based on our Testing and Certification Regulation and states the conformity of the product with the standards and testing requirements as indicated above. Any additional requirements in countries where the product is going to be marketed have to be considered additionally. The manufacturing of the certified product is subject to surveillance.

TÜV Rheinland LGA Products GmbH, Tillystraße 2, 90431 Nürnberg

Tel.: +49 221 806-1371 e-mail: cert-validity@de.tuv.com  
Fax: +49 221 806-3935 http://www.tuv.com/safety



Zertifizierungsstelle

*M. Hisamune*

Masahiro Hisamune

# Zertifikat

# Certificate



Zertifikat Nr. *Certificate No.*  
R 50413472

Blatt *Sheet*  
0002

Ihr Zeichen *Client Reference*  
K0011322

Unser Zeichen *Our Reference*  
ZJL-TOM-50151018 001

Ausstellungsdatum *Date of Issue*  
07.12.2018  
(day/mo/yr)

Genehmigungsinhaber *License Holder*  
Sanyo Denki Co., Ltd.  
3-33-1 Minami-Otsuka  
Toshima-ku, Tokyo  
170-8451 Japan

Fertigungsstätte *Manufacturing Plant*  
Sanyo Denki Philippines, Inc.  
#2 Block F-1  
Subic Techno Park Bldg.  
Along Argonaut Highway  
Boton Area, SBF  
Philippines

## Prüfzeichen *Test Mark*



Geprüft nach *Tested acc. to*  
EN 62368-1:2014  
EN 60950-1:2006+A11+A1+A12+A2

Zertifiziertes Produkt (Geräteidentifikation)  
*Certified Product (Product Identification)*

Lizenzentgelte - Einheit  
*License Fee - Unit*

Fan Brushless DC Fan Motor, as page 0001

Addition

Factory: (see above)



Zertifizierungsstelle

Dem Zertifikat liegt unsere Prüf- und Zertifizierungsordnung zugrunde und es bestätigt die Konformität des Produktes mit den oben genannten Standards und Prüfgrundlagen. Zusätzliche Anforderungen in Ländern, in denen das Produkt in Verkehr gebracht werden soll, müssen zusätzlich betrachtet werden. Die Herstellung des zertifizierten Produktes wird überwacht.  
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Fax: +49 221 806-3935 http://www.tuv.com/safety

Dipl.-Ing. (FH) M. Geiser



Customers Ref.

Gen. -Ausw. -Nr.

Aktenzeichen

Anlage-Nr.

R 50413472

ZJL--50151018 006

5.2

(to be filled in by TÜV Rheinland)

# Constructional Data Form for Electric Appliances

page 1 of 4

License Holder .....: Sanyo Denki Co., Ltd.  
(full address) 3-33-1 Minami-Otsuka Toshima-ku Tokyo 170-8451 Japan

Production Factory .....: 1) Sanyo Denki Co., Ltd. Fujiyama Factory  
(full address) 4016 Fujiyama, Ueda-shi, Nagano 386-1212, Japan  
2) Sanyo Denki Philippines, Inc.  
#2 Block F-1 Subic Techno Park Bldg. Along Argonaut Highway, Boton Area,  
SBF Philippines

Type of Appliance .....: Brushless DC Fan Motor

Type Name or Model No.....: San Ace 97W 9W1B type  
(see model list on the following page for model name)

Rated Voltage.....: (see model list on the following page.)

Rated Frequency.....: --

Rated Input Current.....: (see model list on the following page.)

Standard.....: EN 62368-1:2014  
EN 60950-1:2006 + A11:2009 + A1:2010 + A12:2011 + A2:2013

Protection Class .....: Class III (safety extra low voltage)

Supply Connection .....: N/A

Max. Ambient Temperature...: 70 °C

Weight .....: 240 g (approx.); built-in application

Moisture Protection.....: ordinary

(Optional) Accessories.....:

## Additional Information

(e.g. system configuration, difference between models, construction materials, output voltage, etc.)

TÜV Rheinland

2019-04-26

(date and signature)

Tokyo, Japan

(city)

1, Apr, 2019

(date)

(stamp and/or signature of applicant)

Hiromitsu Kuribayashi

# Constructional Data Form for Electric Appliances

## List of Models

Ref.	Model Name	Technical Data			
		Voltage (V)	Current (A)	Insulation Class	
1	9W1BM12H2azxx	DC 12	1.3	E	
2	9W1BM12M2azxx	DC 12	0.9	E	
3	9W1BM24H2azxx	DC 24	0.65	E	
4	9W1BM24M2azxx	DC 24	0.45	E	

### Model Name Nomenclature

9W1BMvvs2azxx = Model Name Format

9 = Motor type; DC Brushless Fan Motor

W1B = Frame type; W1B type

M = Frame size; 97 mm

vv = Voltage; 12 for DC12 V, 24 for DC24 V

s = Speed code; H or M

2 = Frame thickness; 33 mm

a = Sensor code; A-Z or blank

z = Special specifications; 0-1 for Standardization

xx = Type Feature; 01-99

Ref.	Model Name	Technical Data			
		Voltage (V)	Current (A)	Insulation Class	
1	9W1BM12P2Hazxx	DC 12	1.3	E	
2	9W1BM12P2Mazxx	DC 12	0.9	E	
3	9W1BM24P2Hazxx	DC 24	0.65	E	
4	9W1BM24P2Mazxx	DC 24	0.45	E	

### Model Name Nomenclature

9W1BMvvP2sazxx = Model Name Format

9 = Motor type; DC Brushless Fan Motor

W1B = Frame type; W1B type

M = Frame size; 97 mm

vv = Voltage; 12 for DC12 V, 24 for DC24 V

P = Special control code; PWM Control

2 = Frame thickness; 33 mm

s = Speed code; H or M

a = Sensor code; A-Z or blank

z = Special specifications; 0-1 for Standardization

xx = Type Feature; 01-99