

Минск www.fotorele.net www.tiristor.by радиодетали, электронные компоненты

email minsk17@tut.by tel.mob +375 44 758 47 80 velcom +375 29 758 47 80 МТС

Мы не работаем с частными (физическими) лицами.

Мы работаем только с юридическими лицами(организациями) и ИП и только по безналичному расчёту.

подробно смотрите ниже: описание, характеристики, datasheet

QR код

Вентилятор sunon dp200a 2123

Вентилятор DP200A 2123XBT.GN sunon



Подшипник качения, скольжения

вентилятор dp200a 2123xst.gn

вентилятор dp200a2123xbt

вентилятор dp200a/2123xst

вентилятор dp200a цена

вентилятор dp200a/2123xbt 120x120x38мм

качения

вентилятор dp200a-2123 sunon 120x38мм 220в

вентилятор dp200a2123xbt 120x120x38

вентилятор dp200a sunon

вентилятор dp200a 2123xsl

вентилятор dp200a 2123hst.gn

вентилятор dp200a2123hbt

вентилятор dp200a/2123hst

вентилятор dp200a/2123hbt 120x120x38мм

вентилятор dp200a2123hbt 120x120x38

вентилятор dp200a 2123hsl

вентилятор dp200a2123hbl

вентилятор dp200a/2123hst

вентилятор dp200a/2123hbl 120x120x38мм

вентилятор dp200a2123hbl 120x120x38

вентилятор dp200a 2123hsl


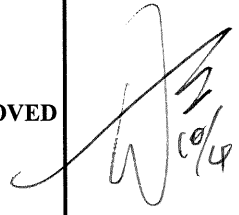
SUNON

SPECIFICATION FOR APPROVAL

For Reference

CUSTOMER :
DESCRIPTION : AXIAL AC FAN
DIMENSIONS : 120X120X38 mm
MODEL : A2123-HST
P/N : GN
SUNON SPEC. NO. : A12003620G-00
APPROVAL NO. :
APPROVED BY :

(AUTHORIZED)

DRAWN	Apple 9/30	CHECKED		APPROVED		SPEC.NO	A12003620G-00
						ISSUE DATE	09.30.2005
						EDITION	R0
						REVISION DATE	
						E.SPEC	EA12128

建準電機工業股份有限公司

SUNONWEALTH ELECTRIC MACHINE INDUSTRY CO., LTD.

12FL., 120 CHUNG CHENG 1ST RD.,

TEL:886-7-7163069(41 LINES)

KAOHSIUNG, TAIWAN, R. O. C.

FAX:886-7-7163086~89

Preliminary

**AXIAL AC FAN
MODEL : A2123-HST
P/N : GN**

CHARACTERISTICS

- 1. Motor Design : Reliable Shaded-Pole Motor Construction.**
- 2. Insulation Resistance : 500 Megohms minimum at 500 VDC.**
- 3. Dielectric Strength : 1800 VAC for one second.**
- 4. Motor Protection : Impedance protected.**
- 5. Noise Level : Measured in a semi-anechoic chamber with background noise level below 15 dB(A). The fan is running in free air with the microphone at a distance of one meter from the fan intake.**
- 6. Tolerance : ±15% on rated power and current.**
- 7. Air Performance : Measured by a double chamber. The values are recorded when the fan speed has stabilized at rated voltage.**

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	ISSUE DATE	09.30.2005	E D I T I O N	R0
	P A G E	2 O F 9		

SPECIFICATIONS

MODEL : A2123-HST

P/N : GN

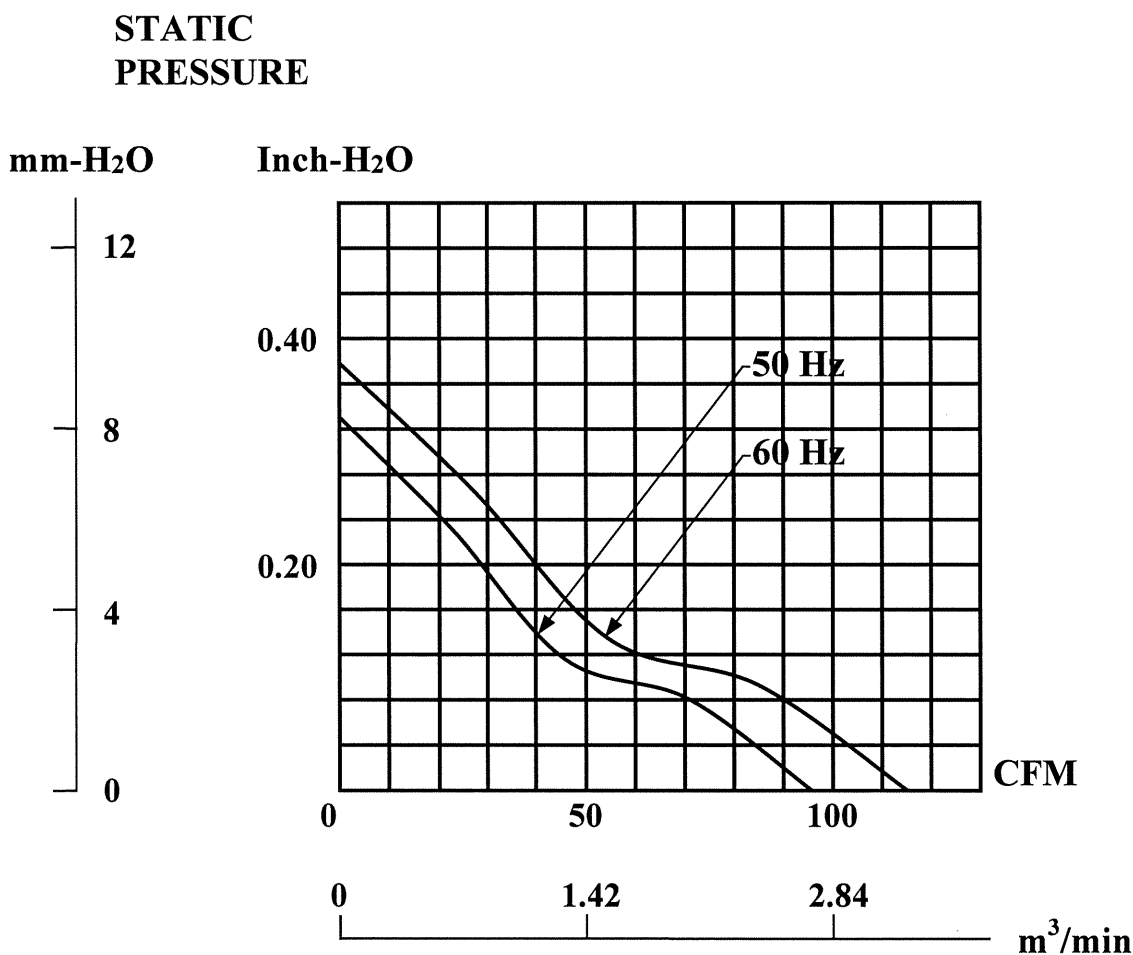
- 1-1. Rated Voltage : 220-240 VAC 50/60 Hz**
- 1-2. Operating Voltage Range : 150~250 VAC**
- 1-3. Starting Voltage : 150 VAC (25 deg. C POWER ON/OFF)**
- 1-4. Rated Speed : 2700/3100 RPM \pm 10%**
- 1-5. Air Delivery : 95/115 CFM**
- 1-6. Static Pressure : 0.33/0.38 Inch-H₂O**
- 1-7. Rated Current : 0.14/0.12 AMP**
- 1-8. Rated Power : 23/20 WATTS**
- 1-9. Noise Level : 44/49 dB(A)**
- 1-10. Direction of Rotation : Counter-clockwise viewed from front of fan blade**
- 1-11. Operating Temperature : -10 to +70 deg. C**
- 1-12. Storage Temperature : -40 to +70 deg. C**
- 1-13. Bearing System : Lubricated sleeve bearing system**
- 1-14. Weight : 525 g**
- 1-16. Vibration : Vibration of acceleration 1.5G and frequency 5~50~5Hz is applied in all 3 directions(X,Y,Z), in cycles of 1 minute each, for a total vibration time of 30 minutes.**

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	ISSUE DATE	09. 30. 2005	E D I T I O N	R0
	P A G E	3 O F 9		

MODEL : A2123-HST

P/N : GN

PERFORMANCE CURVES



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SPEC.NO	A12003620G-00	REVISION DATE	
ISSUE DATE	09. 30. 2005	E D I T I O N	R0
P A G E	4 O F 9		

Preliminary

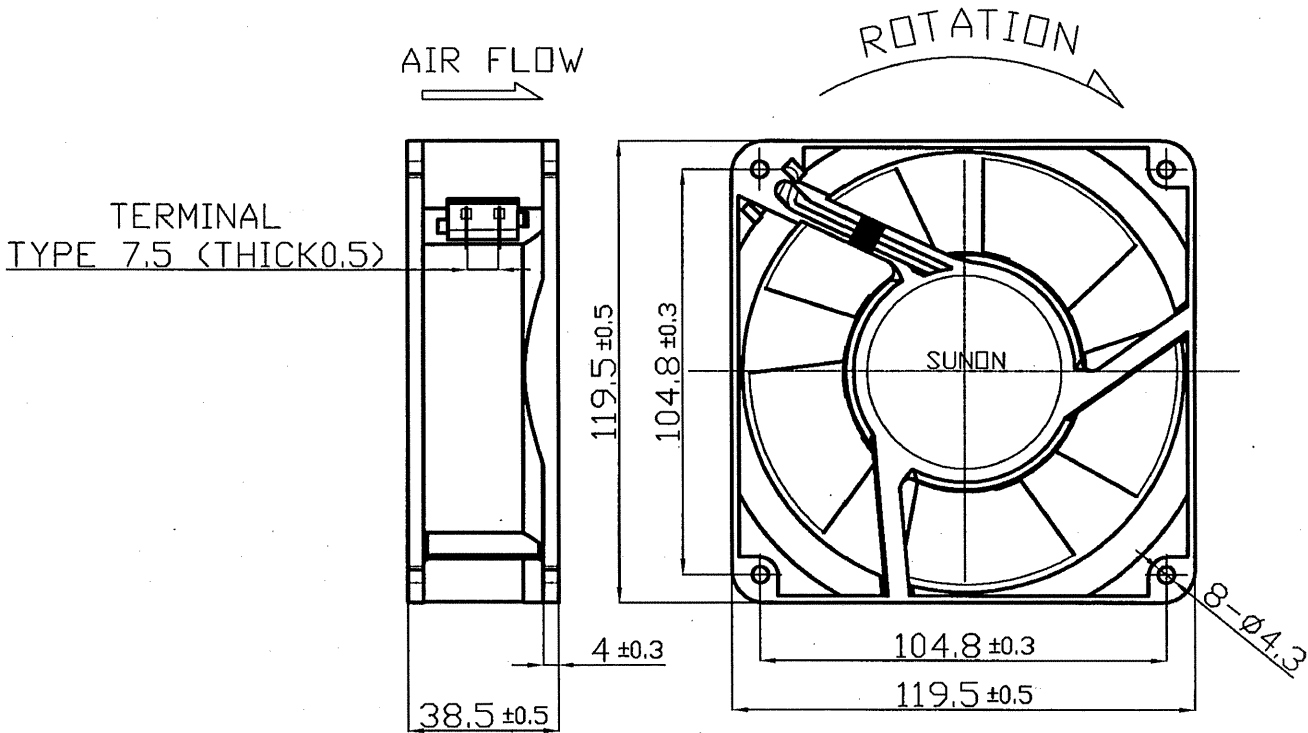
MATERIAL

2. Material

2-1. Frame : DIE-CAST ALUMINUM

2-2. Impeller : Thermoplastic PBT of UL 94V-0

DIMENSIONS



Air Flow Direction: Toward label side.

UNITS : mm

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	ISSUE DATE	09. 30. 2005	E D I T I O N	R0
	P A G E	5 O F 9		

Notes

I . Safety

- 1.SUNON will not guarantee this product if your application exceeds the limitations outlined in this specification.
- 2.There is no thermo-protector installed in this product, such as thermo-fuse, or current-fuse or thermo-protector. There may be smoking, ignition, or electric shock by insulation degradation in cases of motor lock, motor lead short circuit, overload, over voltage, and/or other failure. Please add the protection circuit to your product.
- 3.There is no reverse-connection prevention diode of VDC (+) and GND (-) installed in this product. Therefore, if VDC(+) and GND(-) are reverse connected, it may cause smoking, ignition, and/or destruction, although these conditions may not manifest immediately. We recommend that a protection device be installed on your product when there is a possibility of reverse-connection.
- 4.Please verify that this product is being installed and used in compliance with all safety standards. Please inform SUNON of any safety concerns prior to releasing your product to production.
- 5.Please handle and install this product carefully. Hitting or dropping this product may cause damage.
- 6.Please do not damage this product including coil and lead wires while installing or wiring. There may be smoking or fire.

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	ISSUE DATE	09.30.2005	E D I T I O N	R0
	P A G E	6 O F 9		

Notes

II .Specification modification

- 1.SUNON offers engineering assistance on fan installation and cooling system design.
- 2.Any change to the parameters specified in this document will be determined by mutual agreement between both parties. Parameters which are not specified in this specification will be identical to the final sample which has been approved by your company.
- 3.Product will be shipped in accordance with this specification unless Sunon has been previously notified of parameters requiring exception.
- 4.Parameters modified by mutual consent will be incorporated in this specification.
- 5.Please notify SUNON in advance of any modification to your product or new application for this fan which may require a review of this specification.

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	ISSUE DATE	09. 30. 2005	E D I T I O N	R0
	P A G E	7 O F 9		

Notes

III . Other

- 1. When building your device, please examine thoroughly any variation of EMC, temperature rise, life data, quality, etc. of this product by shock/drop/vibration testing, etc. If there are any problems or accidents in connection with this product, it should be mutually discussed and examined.**
- 2. Fan holders or bearings may be damaged if touched with fingers or other objects. Additionally, static electricity (ESD) may damage the internal circuits. Please handle this product carefully.**
- 3. Please avoid operating SUNON's product in poisonous material (organic silicon, cyanogens, formalin, phenol, etc.) or corrosive gas environments (H2S, SO2, NO2, Cl2, etc).**
- 4. SUNON does not warrant performance safety against accidents caused by dust, water, droplets, dew, bugs, etc.**
- 5. Please advise us in advance if you require documents for export.**
- 6. Improper mounting may cause harsh resonance, vibration, and noise. Please mount securely.**
- 7. Safety is a top priority. Please furnish guard accessories to prevent injury to personnel.**
- 8. Unless otherwise noted, all tests are conducted at 25°C ambient temperature and 65% relative humidity.**
- 9. Always ensure that fans are stored according to the storage temperatures specified. Do not store in a high humidity environment. If the fans are stored for more than 6 months, SUNON recommends functional testing before using.**
- 10. SUNON reserves the right to use components with equivalent specifications from multiple sources.**

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	ISSUE DATE	09. 30. 2005	E D I T I O N	R0
	P A G E	8 O F 9		

Declaration of RoHS

Control declaration of environment- related substances/ materials

1. In accordance with the Restriction of Hazardous Substances (RoHS) Directive, Sunon product with P/N: GN models have complied with law and discipline not to employ the forbidden substances, and restrict the allowable concentration of some limited substances deliberately in our components.

No	Substance	Criteria
1	Halogens & its compounds (Substances depleting the ozone layer)	Forbidden
2	Chlorinated Organic Solvent	Forbidden
3	Lead and its compounds	Plastic (Frame, Impeller, wire harness, etc.)
		Solder
		Iron Alloy
		Aluminium Alloy
		Copper Alloy
4	Cadmium and its compounds	Solder
		Cadmium Alloy
		Plastic
5	PBB and PBDE Category	Forbidden
6	PCB and PCT Category	Forbidden
7	CP	Forbidden
8	Mirex	Forbidden
9	PCN category	Forbidden
10	Hexavalent Chromium Compounds	<100ppm
11	Mercury and its compounds	Forbidden
12	Asbestos	Forbidden
13	Organic Tin Compounds	Forbidden
14	Azo Compounds	Forbidden

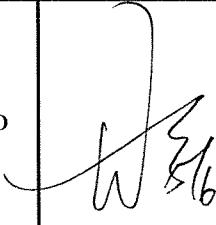
建準電機工業股份有限公司 SUNONWEALTH ELECTRIC MACHINE INDUSTRY CO., LTD.	SPEC.NO	A12003620G-00	REVISION DATE	
	ISSUE DATE	09. 30. 2005	E D I T I O N	R0
	P A G E	9 O F 9		

SUNON

SPECIFICATION FOR APPROVAL

CUSTOMER :
DESCRIPTION : AXIAL AC FAN
DIMENSIONS : 120X120X38 mm
MODEL : DP200A
P/N : 2123XST.GN
SUNON SPEC. NO. : A12003600G-00
APPROVAL NO. :
APPROVED BY :

(AUTHORIZED)

DRAWN	<i>yuchen</i> 5/1	CHECKED	<i>Minjue</i> 0430	APPROVED		SPEC.NO	A12003600G-00
						ISSUE DATE	05.01.2005
						EDITION	0
						REVISION DATE	
						E.SPEC	EA12124

建準電機工業股份有限公司

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KAOHSIUNG, TAIWAN, R. O. C. ~

FAX:886-7-7163086~89



AXIAL AC FAN
MODEL : DP200A
P/N : 2123XST.GN

CHARACTERISTICS

- 1. Motor Design : Reliable Shaded-Pole Motor Construction.**
- 2. Insulation Resistance : 500 Megohms minimum at 500 VDC.**
- 3. Dielectric Strength : 1800 VAC for one second.**
- 4. Motor Protection : Impedance protected.**
- 5. Noise Level : Measured in a semi-anechoic chamber with background noise level below 15 dB(A). The fan is running in free air with the microphone at a distance of one meter from the fan intake.**
- 6. Tolerance : ±15% on rated power and current.**
- 7. Air Performance : Measured by a double chamber. The values are recorded when the fan speed has stabilized at rated voltage.**

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SPEC.NO	A12003600G-00	REVISION DATE	
ISSUE DATE	05.01.2005	E D I T I O N	
P A G E	2 O F 9		



SPECIFICATIONS

MODEL : DP200A

P/N : 2123XST.GN

- 1-1. Rated Voltage : 220-240 VAC 50/60 Hz
- 1-2. Operating Voltage Range : 185-245 VAC
- 1-3. Starting Voltage : 185 VAC
- 1-4. Rated Speed : 2700/3100 RPM \pm 10%
- 1-5. Air Delivery : 95/115 CFM
- 1-6. Static Pressure : 0.33/0.38 Inch-H₂O
- 1-7. Rated Current : 0.14/0.12 AMP
- 1-8. Rated Power : 22/21 WATTS
- 1-9. Noise Level : 44/49 dB(A)
- 1-10. Direction of Rotation : Counter-clockwise viewed from front of fan blade
- 1-11. Operating Temperature : -10 to +70 deg. C
- 1-12. Storage Temperature : -40 to +70 deg. C
- 1-13. Bearing System : Lubricated sleeve bearing system
- 1-14. Weight : 550 g
- 1-15. Safety : TUV/UL/CUR/CE Approvals
- 1-16. Vibration : Vibration of acceleration 1.5G and frequency 5~50~5Hz is applied in all 3 directions(X,Y,Z), in cycles of 1 minute each, for a total vibration time of 30 minutes.

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SPEC.NO	A12003600G-00	REVISION DATE
ISSUE DATE	05.01.2005	E D I T I O N
P A G E	3 OF 9	

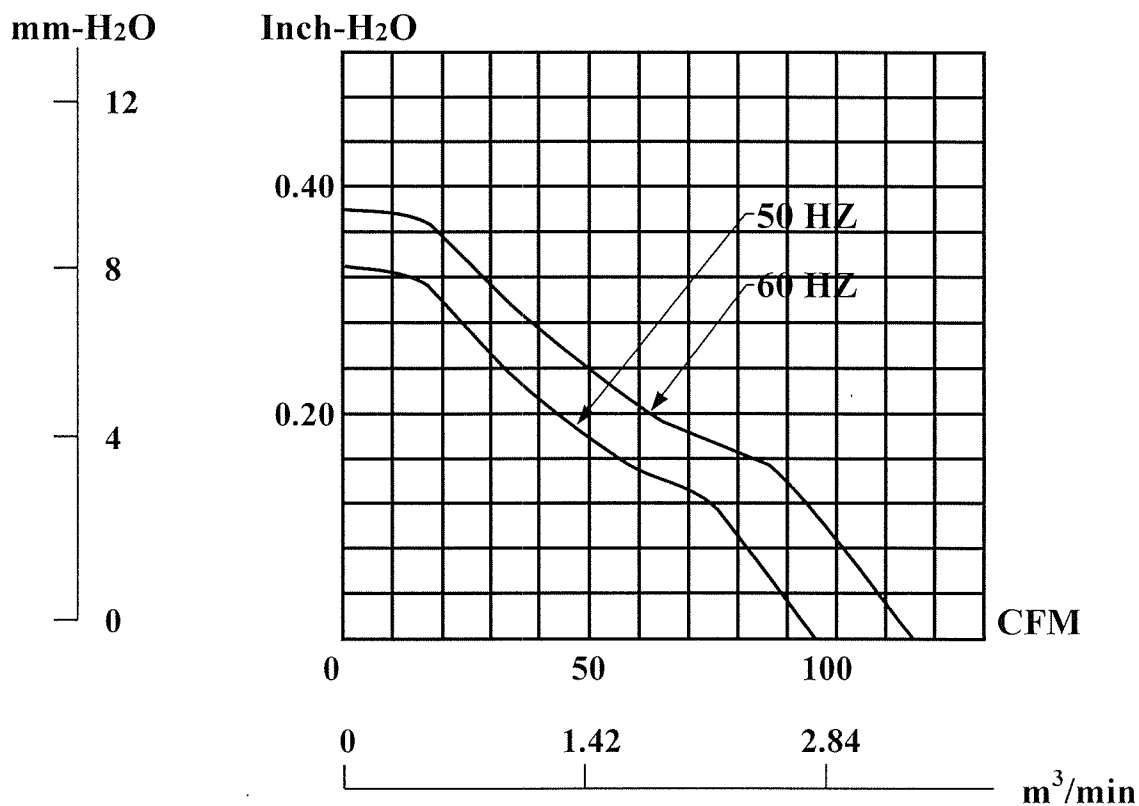


MODEL : DP200A

P/N : 2123XST.GN

PERFORMANCE CURVES

STATIC
PRESSURE



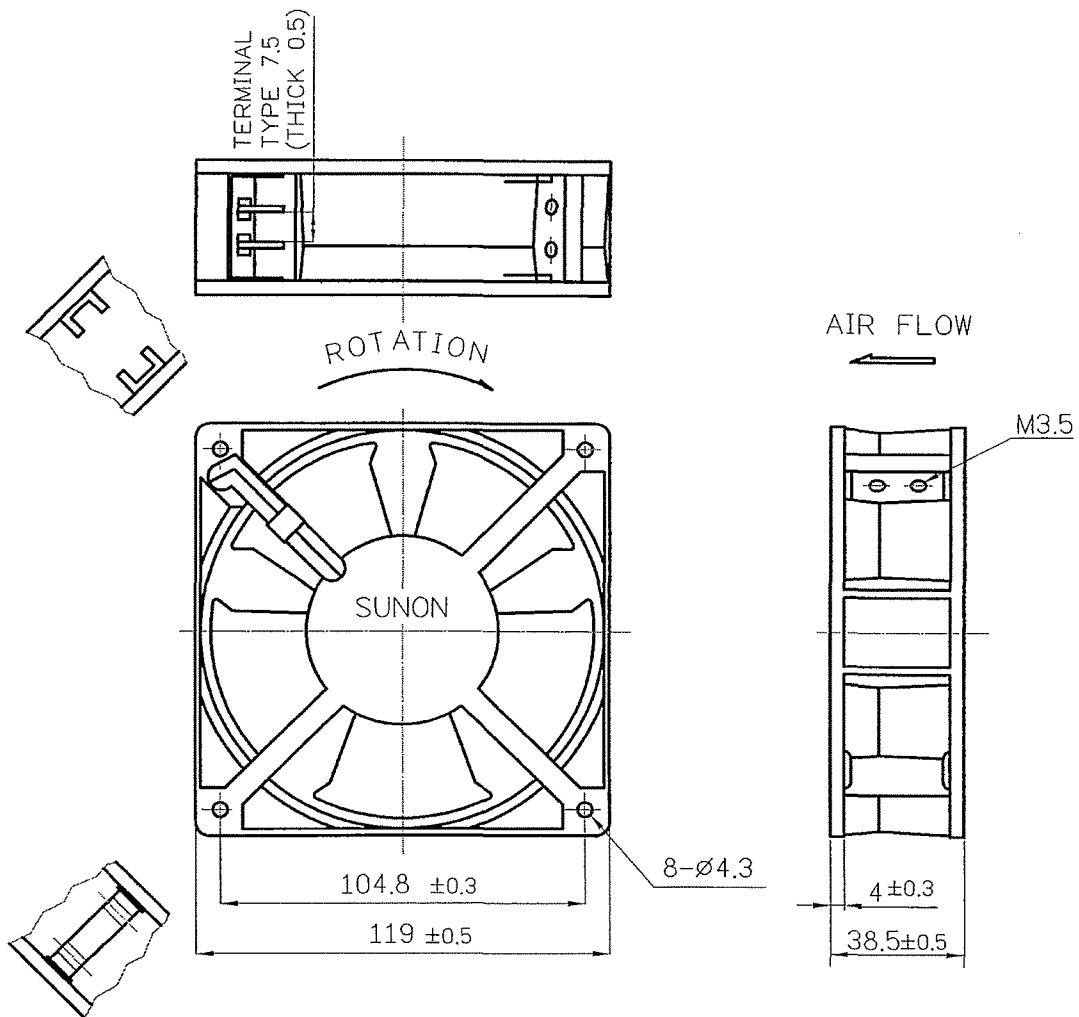
MATERIAL

2. Material

2-1. Frame : DIE-CAST ALUMINUM

2-2. Impeller : Thermoplastic PBT of UL 94V-0

DIMENSIONS



Air Flow Direction: Toward label side.

UNITS: mm

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SPEC.NO	A12003600G-00	REVISION DATE	
ISSUE DATE	05. 01. 2005	E D I T I O N	
P A G E	5 OF 9		



Notes

I . Safety

- 1.SUNON will not guarantee this product if your application exceeds the limitations outlined in this specification.
2. There is no thermo-protector installed in this product, such as thermo-fuse, or current-fuse or thermo-protector. There may be smoking, ignition, or electric shock by insulation degradation in cases of motor lock, motor lead short circuit, overload, over voltage, and/or other failure. Please add the protection circuit to your product.
3. There is no reverse-connection prevention diode of VDC (+) and GND (-) installed in this product. Therefore, if VDC(+) and GND(-) are reverse connected, it may cause smoking, ignition, and/or destruction, although these conditions may not manifest immediately. We recommend that a protection device be installed on your product when there is a possibility of reverse-connection.
4. Please verify that this product is being installed and used in compliance with all safety standards. Please inform SUNON of any safety concerns prior to releasing your product to production.
5. Please handle and install this product carefully. Hitting or dropping this product may cause damage.
6. Please do not damage this product including coil and lead wires while installing or wiring. There may be smoking or fire.

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SPEC.NO	A12003600G-00	REVISION DATE
ISSUE DATE	05. 01. 2005	EDITION
P A G E	6 OF 9	



Notes

II . Specification modification

1. SUNON offers engineering assistance on fan installation and cooling system design.
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SPEC.NO	A12003600G-00	REVISION DATE
ISSUE DATE	05. 01. 2005	E D I T I O N
P A G E	7 O F 9	



Notes

III . Other

1. When building your device, please examine thoroughly any variation of EMC, temperature rise, life data, quality, etc. of this product by shock/drop/vibration testing, etc. If there are any problems or accidents in connection with this product, it should be mutually discussed and examined.
2. Fan holders or bearings may be damaged if touched with fingers or other objects. Additionally, static electricity (ESD) may damage the internal circuits. Please handle this product carefully.
3. Please avoid operating SUNON's product in poisonous material (organic silicon, cyanogens, formalin, phenol, etc.) or corrosive gas environments (H₂S, SO₂, NO₂, Cl₂, etc).
4. SUNON does not warrant performance safety against accidents caused by dust, water, droplets, dew, bugs, etc.
5. Please advise us in advance if you require documents for export.
6. Improper mounting may cause harsh resonance, vibration, and noise. Please mount securely.
7. Safety is a top priority. Please furnish guard accessories to prevent injury to personnel.
8. Unless otherwise noted, all tests are conducted at 25°C ambient temperature and 65% relative humidity.
9. Always ensure that fans are stored according to the storage temperatures specified. Do not store in a high humidity environment. If the fans are stored for more than 6 months, SUNON recommends functional testing before using.
10. SUNON reserves the right to use components with equivalent specifications from multiple sources.

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SPEC.NO	A12003600G-00	REVISION DATE
ISSUE DATE	05. 01. 2005	EDITION
PAGE	8 OF 9	



Declaration of RoHS

Control declaration of environment- related substances/ materials

1. In accordance with the Restriction of Hazardous Substances (RoHS) Directive, Sunon product with P/N: GN models have complied with law and discipline not to employ the forbidden substances, and restrict the allowable concentration of some limited substances deliberately in our components.

No	Substance	Criteria
1	Halogens & its compounds (Substances depleting the ozone layer)	Forbidden
2	Chlorinated Organic Solvent	Forbidden
3	Plastic (Frame, Impeller, wire harness, etc.)	< 100ppm
	Solder	< 1000ppm
	Iron Alloy	< 3500ppm
	Aluminium Alloy	< 4000ppm
	Copper Alloy	< 4wt%
4	Solder	< 20ppm
	Cadmium Alloy	< 100ppm
	Plastic	< 5ppm
5	PBB and PBDE Category	Forbidden
6	PCB and PCT Category	Forbidden
7	CP	Forbidden
8	Mirex	Forbidden
9	PCN category	Forbidden
10	Hexavalent Chromium Compounds	< 100ppm
11	Mercury and its compounds	Forbidden
12	Asbestos	Forbidden
13	Organic Tin Compounds	Forbidden
14	Azo Compounds	Forbidden

SUNON

SPECIFICATION FOR APPROVAL

CUSTOMER :
DESCRIPTION : AXIAL AC FAN
DIMENSIONS : 120X120X38 mm
MODEL : DP200A
P/N : 2123XSL.GN
SUNON SPEC. NO. : A12003610G-00
APPROVAL NO. :
APPROVED BY :

(AUTHORIZED)

DRAWN	<i>yuchen</i> 5/1	CHECKED	<i>Yingjue</i> 0807	APPROVED	<i>[Signature]</i> 26	SPEC.NO	A12003610G-00
						ISSUE DATE	05.01.2005
						EDITION	0
						REVISION DATE	
						E.SPEC	EA12124

建準電機工業股份有限公司

SUNONWEALTH ELECTRIC MACHINE INDUSTRY CO., LTD.

12FL., 120 CHUNG CHENG 1ST RD.,

KAOHSIUNG, TAIWAN, R. O. C. ~

TEL:886-7-7163069(41 LINES)

FAX:886-7-7163086~89



AXIAL AC FAN
MODEL : DP200A
P/N : 2123XSL.GN

CHARACTERISTICS

- 1. Motor Design : Reliable Shaded-Pole Motor Construction.**
- 2. Insulation Resistance : 500 Megohms minimum at 500 VDC.**
- 3. Dielectric Strength : 1800 VAC for one second.**
- 4. Motor Protection : Impedance protected.**
- 5. Noise Level : Measured in a semi-anechoic chamber with background noise level below 15 dB(A). The fan is running in free air with the microphone at a distance of one meter from the fan intake.**
- 6. Tolerance : $\pm 15\%$ on rated power and current.**
- 7. Air Performance : Measured by a double chamber. The values are recorded when the fan speed has stabilized at rated voltage.**

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SPEC.NO	A12003610G-00	REVISION DATE
ISSUE DATE	05. 01. 2005	E D I T I O N
P A G E	2 O F 9	



SPECIFICATIONS

MODEL : DP200A

P/N : 2123XSL.GN

- 1-1. Rated Voltage : 220-240 VAC 50/60 Hz
- 1-2. Operating Voltage Range : 185-245 VAC
- 1-3. Starting Voltage : 185 VAC
- 1-4. Rated Speed : 2700/3100 RPM \pm 10%
- 1-5. Air Delivery : 95/115 CFM
- 1-6. Static Pressure : 0.33/0.38 Inch-H₂O
- 1-7. Rated Current : 0.14/0.12 AMP
- 1-8. Rated Power : 22/21 WATTS
- 1-9. Noise Level : 44/49 dB(A)
- 1-10. Direction of Rotation : Counter-clockwise viewed from front of fan blade
- 1-11. Operating Temperature : -10 to +70 deg. C
- 1-12. Storage Temperature : -40 to +70 deg. C
- 1-13. Bearing System : Lubricated sleeve bearing system
- 1-14. Weight : 550 g
- 1-15. Safety : TUV/UL/CUR/CE Approvals
- 1-16. Vibration : Vibration of acceleration 1.5G and frequency 5~50~5Hz is applied in all 3 directions(X,Y,Z), in cycles of 1 minute each, for a total vibration time of 30 minutes.

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SPEC.NO	A12003610G-00	REVISION DATE
ISSUE DATE	05. 01. 2005	E D I T I O N
P A G E	3 O F 9	

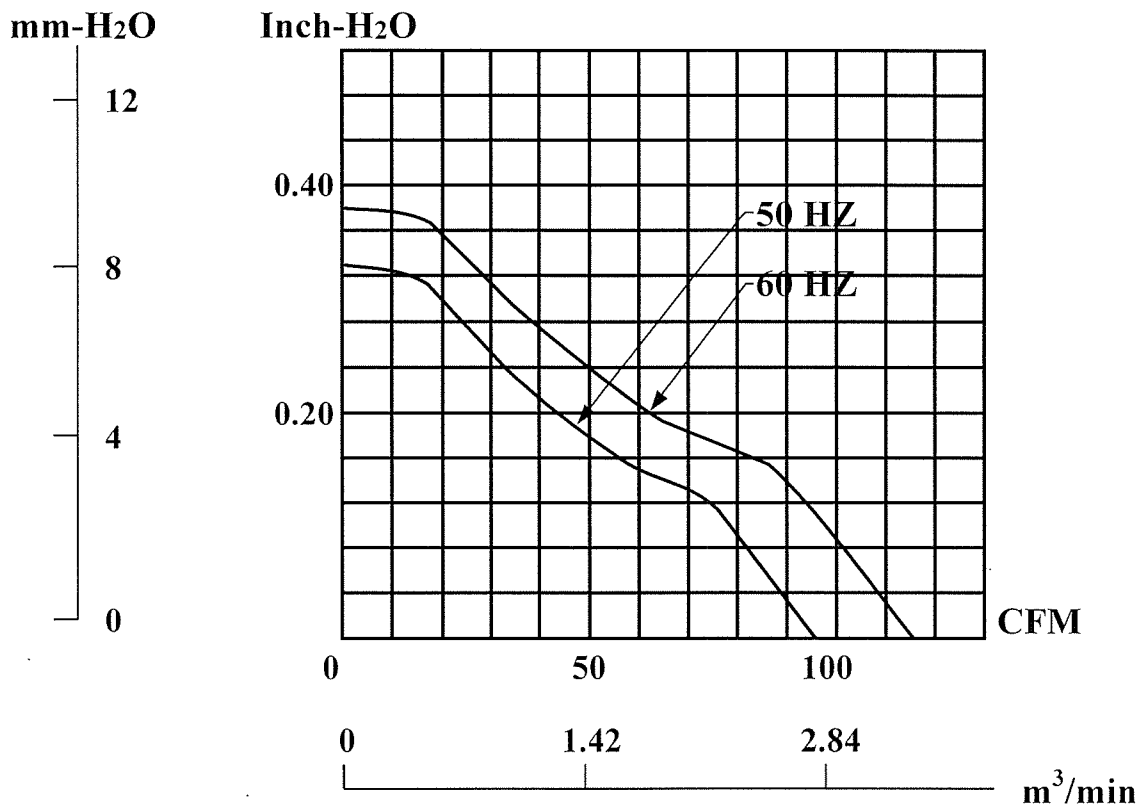


MODEL : DP200A

P/N : 2123XSL.GN

PERFORMANCE CURVES

STATIC
PRESSURE



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SPEC.NO	A12003610G-00
ISSUE DATE	05. 01. 2005
PAGE	4 OF 9

REVISION DATE	
EDITION	

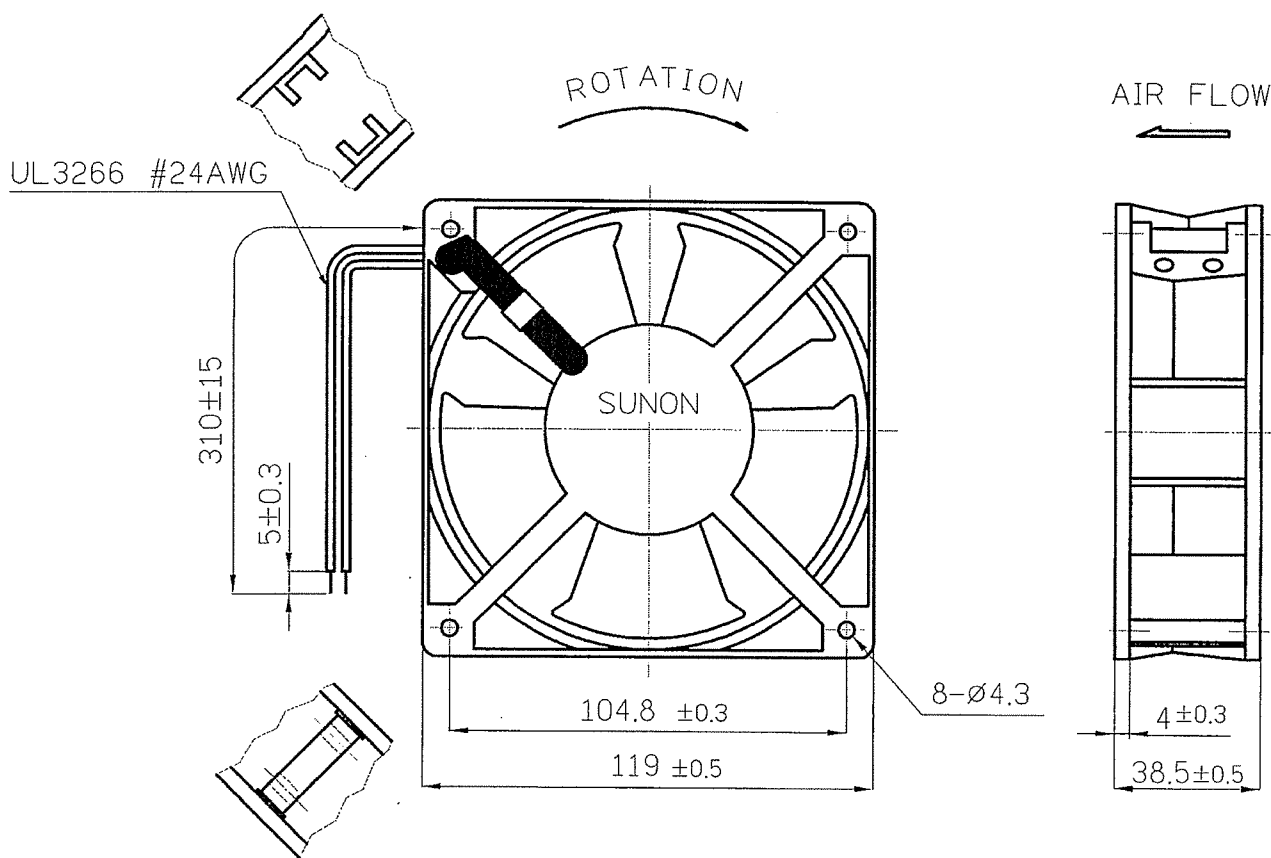


MATERIAL

2. Material

- 2-1. Frame : DIE-CAST ALUMINUM
- 2-2. Impeller : Thermoplastic PBT of UL 94V-0
- 2-3. Lead Wire : UL3266, 24 awg, GRAY

DIMENSIONS



Air Flow Direction: Toward label side.

UNITS: mm

建準電機工業股份有限公司
 SUNONWEALTH ELECTRIC
 MACHINE INDUSTRY CO., LTD.

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PAGE	5 OF 9		

建準電機工業(股)有限公司
 研發部
 發行章

Notes

I . Safety

1. SUNON will not guarantee this product if your application exceeds the limitations outlined in this specification.
2. There is no thermo-protector installed in this product, such as thermo-fuse, or current-fuse or thermo-protector. There may be smoking, ignition, or electric shock by insulation degradation in cases of motor lock, motor lead short circuit, overload, over voltage, and/or other failure. Please add the protection circuit to your product.
3. There is no reverse-connection prevention diode of VDC (+) and GND (-) installed in this product. Therefore, if VDC(+) and GND(-) are reverse connected, it may cause smoking, ignition, and/or destruction, although these conditions may not manifest immediately. We recommend that a protection device be installed on your product when there is a possibility of reverse-connection.
4. Please verify that this product is being installed and used in compliance with all safety standards. Please inform SUNON of any safety concerns prior to releasing your product to production.
5. Please handle and install this product carefully. Hitting or dropping this product may cause damage.
6. Please do not damage this product including coil and lead wires while installing or wiring. There may be smoking or fire.

建準電機工業股份有限公司
SUNONWEALTH ELECTRIC
MACHINE INDUSTRY CO., LTD.

SPEC.NO	A12003610G-00	REVISION DATE
ISSUE DATE	05. 01. 2005	EDITION
PAGE	6 OF 9	



Notes

II . Specification modification

1. SUNON offers engineering assistance on fan installation and cooling system design.
2. Any change to the parameters specified in this document will be determined by mutual agreement between both parties. Parameters which are not specified in this specification will be identical to the final sample which has been approved by your company.
3. Product will be shipped in accordance with this specification unless SUNON has been previously notified of parameters requiring exception.
4. Parameters modified by mutual consent will be incorporated in this specification.
5. Please notify SUNON in advance of any modification to your product or new application for this fan which may require a review of this specification.

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SUNONWEALTH ELECTRIC
MACHINE INDUSTRY CO., LTD.

SPEC.NO	A12003610G-00	REVISION DATE
ISSUE DATE	05. 01. 2005	EDITION
PAGE	7 OF 9	



Notes

III . Other

1. When building your device, please examine thoroughly any variation of EMC, temperature rise, life data, quality, etc. of this product by shock/drop/vibration testing, etc. If there are any problems or accidents in connection with this product, it should be mutually discussed and examined.
2. Fan holders or bearings may be damaged if touched with fingers or other objects. Additionally, static electricity (ESD) may damage the internal circuits. Please handle this product carefully.
3. Please avoid operating SUNON's product in poisonous material (organic silicon, cyanogens, formalin, phenol, etc.) or corrosive gas environments (H₂S, SO₂, NO₂, Cl₂, etc).
4. SUNON does not warrant performance safety against accidents caused by dust, water, droplets, dew, bugs, etc.
5. Please advise us in advance if you require documents for export.
6. Improper mounting may cause harsh resonance, vibration, and noise. Please mount securely.
7. Safety is a top priority. Please furnish guard accessories to prevent injury to personnel.
8. Unless otherwise noted, all tests are conducted at 25°C ambient temperature and 65% relative humidity.
9. Always ensure that fans are stored according to the storage temperatures specified. Do not store in a high humidity environment. If the fans are stored for more than 6 months, SUNON recommends functional testing before using.
10. SUNON reserves the right to use components with equivalent specifications from multiple sources.



Declaration of RoHS

Control declaration of environment- related substances/ materials

1. In accordance with the Restriction of Hazardous Substances (RoHS) Directive, Sunon product with P/N: GN models have complied with law and discipline not to employ the forbidden substances, and restrict the allowable concentration of some limited substances deliberately in our components.

No	Substance	Criteria	
1	Halogens & its compounds (Substances depleting the ozone layer)	Forbidden	
2	Chlorinated Organic Solvent	Forbidden	
3	Lead and its compounds	Plastic (Frame, Impeller, wire harness, etc.)	< 100ppm
		Solder	< 1000ppm
		Iron Alloy	< 3500ppm
		Aluminium Alloy	< 4000ppm
		Copper Alloy	< 4wt%
4	Cadmium and its compounds	Solder	< 20ppm
		Cadmium Alloy	< 100ppm
		Plastic	< 5ppm
5	PBB and PBDE Category	Forbidden	
6	PCB and PCT Category	Forbidden	
7	CP	Forbidden	
8	Mirex	Forbidden	
9	PCN category	Forbidden	
10	Hexavalent Chromium Compounds	< 100ppm	
11	Mercury and its compounds	Forbidden	
12	Asbestos	Forbidden	
13	Organic Tin Compounds	Forbidden	
14	Azo Compounds	Forbidden	



SUNON

SPECIFICATION FOR APPROVAL

CUSTOMER : TME
DESCRIPTION : AXIAL AC FAN
DIMENSIONS : 120X120X38 mm
M O D E L : DP200A
P/N : 2123XBT.GN.I55
SUNON SPEC. NO. : A12004610G-00
APPROVAL NO. :
APPROVED BY :

(AUTHORIZED)

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						ISSUE DATE	12.02.2015
						EDITION	0
						REVISION DATE	
						E.SPEC	EA12108

建準電機工業股份有限公司

SUNONWEALTH ELECTRIC MACHINE INDUSTRY CO., LTD.

No. 30, LN. 296, XINYA RD., QIANZHEN DIST
KAOHSIUNG CITY 80673, TAIWAN(R. O. C)

URL:<http://www.sunon.com>

TEL:886-7-8135888

FAX:886-7-8230505/8230606/8231010

E-mail: sunon@email.sunon.com.tw



AXIAL AC FAN
MODEL : DP200A
P/N : 2123XBT.GN.I55

CHARACTERISTICS

- 1. Motor Design : Reliable Shaded-Pole Motor Construction.**
- 2. Insulation Resistance : 500 Megohms minimum at 500 VDC.**
- 3. Dielectric Strength : 1800 VAC for one second.**
- 4. Motor Protection : Impedance protected.**
- 5. Noise Level : Measured in a semi-anechoic chamber with background noise level below 15 dB(A). The fan is running in free air with the microphone at a distance of one meter from the fan intake.**
- 6. Tolerance : $\pm 15\%$ on rated power and current.**
- 7. Air Performance : Measured by a double chamber. The values are recorded when the fan speed has stabilized at rated voltage.**



SPECIFICATIONS

MODEL : DP200A
P/N : 2123XBT.GN.I55

- 1-1. Rated Voltage : 220~240 VAC 50/60 Hz**
- 1-2. Operating Voltage Range : 185~245 VAC**
- 1-3. Starting Voltage : 185 VAC (25 deg. C POWER ON/OFF)**
- 1-4. Rated Speed : 2850/3150 RPM ± 10%**
- 1-5. Air Delivery : 97.0/117.0 CFM**
- 1-6. Static Pressure : 0.34/0.39 Inch-H₂O**
- 1-7. Rated Current : 0.14/0.12 AMP**
- 1-8. Rated Power : 22.0/21.0 WATTS**
- 1-9. Noise Level : 45/50 dB(A)**
- 1-10. Direction of Rotation : Counter-clockwise viewed from front of fan blade**
- 1-11. Operating Temperature : -10 to + 70 deg. C**
- 1-12. Storage Temperature : -40 to + 70 deg. C**
- 1-13. Bearing System : Precision ball bearing system**
- 1-14. Weight : 550 g**
- 1-15. Safety : UL/CSA/TUV/CE Approvals**
- 1-16. Protection : Automatic Restart Capability**

Note: In a situation where the fan is locked by an external force while the electricity is on, an increase in coil temperature will be prevented by temporarily turning off the electrical power to the motor. The fan will automatically restart when the locked rotor condition is released.

Polarity Protection

- 1-17. IP Class : IP55** : According to IEC 529 (or IEC 34-5) IP standard, the average temperature is 23~24°C and humidity is 67% RH for Dust Water Test. The fan needs to be test and Spray Put in dust box for 8 hours for Dust Test and be sprayed 10 minutes with water of 4 aspects for Spray Water Test. After these 2 tests, which executing by regular standard, the fan will be measured the performance is normal or not. PS. There are different applicative environments and systems by different customers, so please put the product in the most suitable environment to measure the performances.

建準電機工業股份有限公司 SUNONWEALTH ELECTRIC MACHINE INDUSTRY CO., LTD.	SPEC.NO	A12004610G-00	REVISION DATE	
	ISSUE DATE	12. 02. 2015	E D I T I O N	0
	P A G E	3 O F 9		

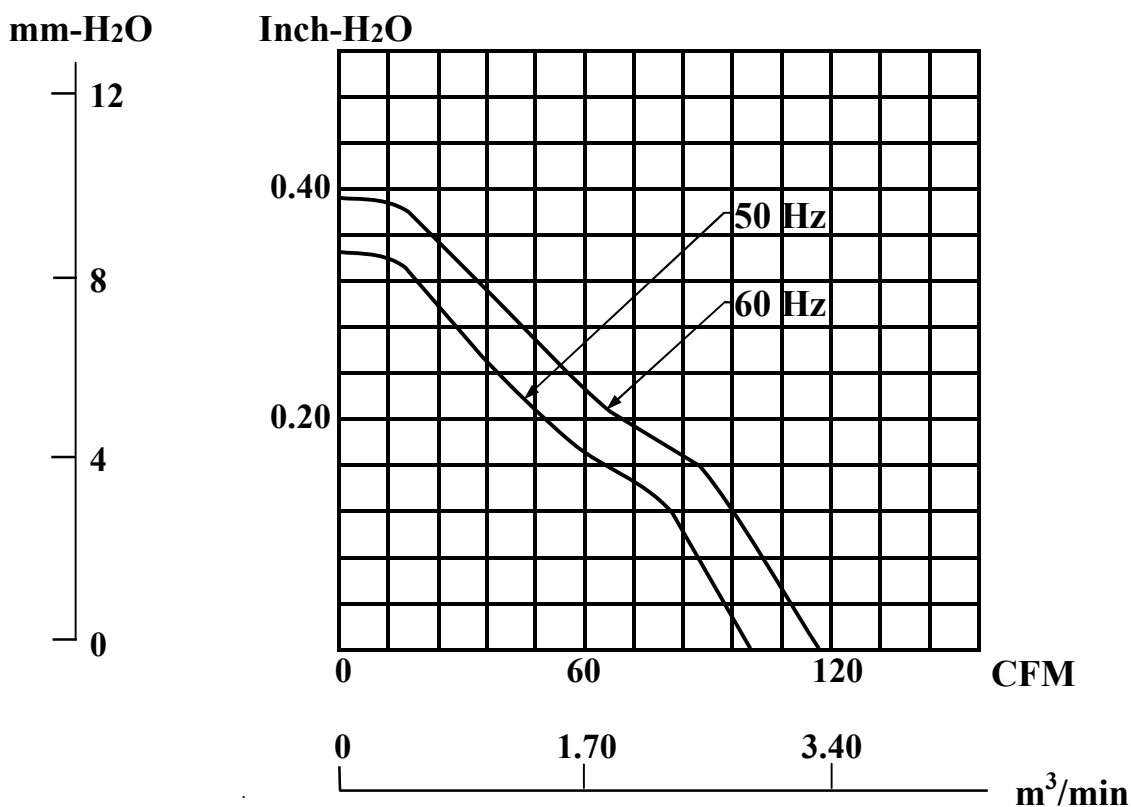


MODEL : DP200A

P/N : 2123XBT.GN.I55

PERFORMANCE CURVES

**STATIC
PRESSURE**





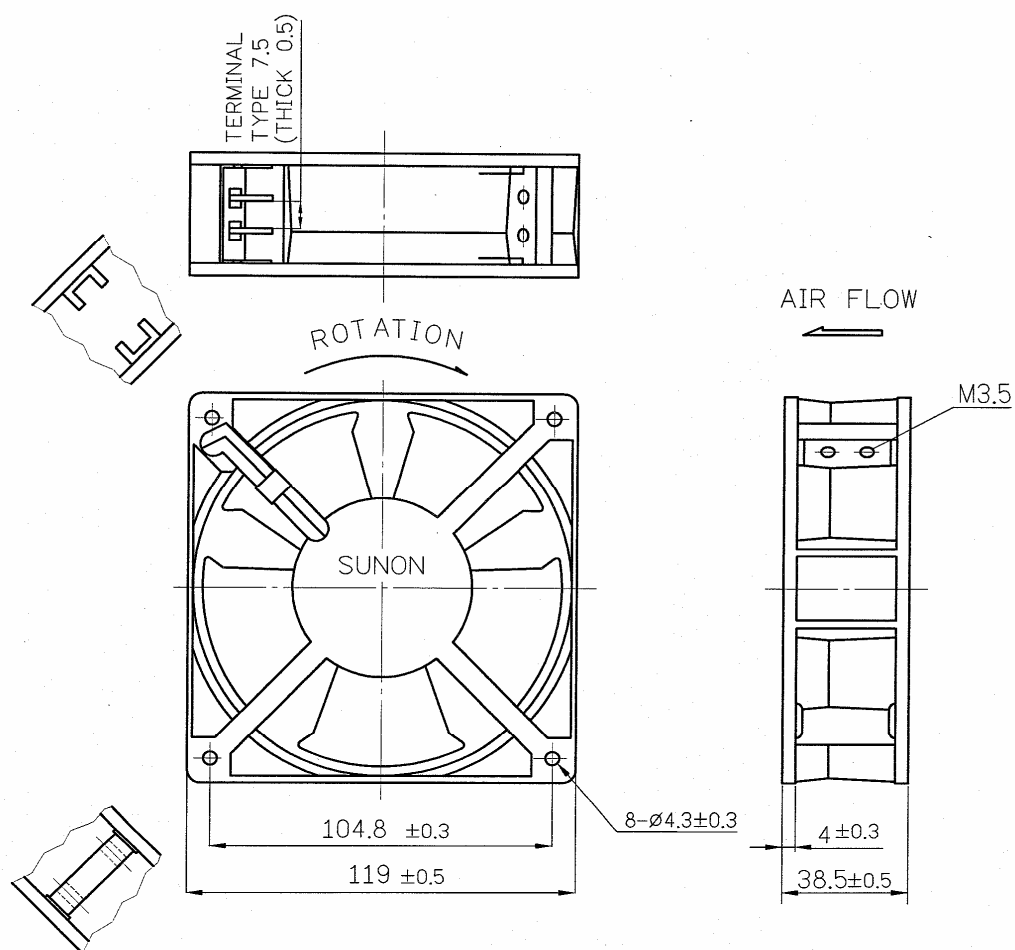
MATERIAL

2. Material

2-1. Frame : DIE-CAST ALUMINUM

2-2. Impeller : Thermoplastic PBT of UL 94V-0

DIMENSIONS



- 1. Air Flow Direction: Toward label side.
- 2. Best Mounting Direction: Any orientation.

UNIT: mm

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SPEC.NO	A12004610G-00	REVISION DATE	
ISSUE DATE	12. 02. 2015	EDITION	0
PAGE	5 OF 9		



Notes

I . SAFETY

1. **DO NOT** use or operate this fan in excess of the limitations set forth in this specification. SUNON is not responsible for the non-performance of this fan and/or any damages resulting from its use, if it is not used or operated in accordance with the specifications.
2. SUNON recommends adding a protection circuit to the product or application in which this fan is installed, such as a thermo-fuse, or current-fuse or thermo-protector. The failure to use such a device may result in smoke, fire, electric shock by insulation degradation in cases of motor lock, motor lead short circuit, overload, or over voltage, and/or other failure.
3. SUNON recommends installing a protection device to the product or application in which this fan is installed if there is a possibility of reverse-connection between VDC (+) and GND (-). The failure to install such a device may result in smoke, fire, and/or destruction, although these conditions may not manifest immediately.
4. This fan must be installed and used in compliance with all applicable safety standards and regulations.
5. Use proper care when handling and/or installing this fan. Improper handling or installation of this fan may cause damage that could result in unsafe conditions.
6. Use proper care during installation and/or wiring. Failure to use proper care may cause damage to certain components of the fan including, but not limited to, the coil and lead wires, which could result in smoke and/or fire.
7. **DO NOT** use power or ground PWM to control the fan speed. If the fan speed needs to be adjusted, please contact SUNON to customize the product design for your application.
8. For critical or extreme environments, including non stop operation, please contact SUNON and we will gladly provide assistance with your product selection to ensure an appropriate cooling product for your application.

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	ISSUE DATE	12. 02. 2015	E D I T I O N	0
	P A G E	6 O F 9		



Notes

II. SPECIFICATION MODIFICATION

1. SUNON offers engineering assistance on fan installation and cooling system design.
2. All changes, modifications and/or revisions to the specifications, if any, are incorporated in the attached specifications.
3. No changes, modifications and/or revisions to these specifications are effective absent agreement, by both SUNON and the customer, in writing.
4. This fan will be shipped in accordance with the attached specification unless SUNON and the customer have agreed otherwise, in writing, as specified in Paragraph 3, above.

III. OTHER

1. When building your device, please examine thoroughly any variation of EMC, temperature rise, life data, quality, etc. of this product by shock/drop/vibration testing, etc. If there are any problems or accidents in connection with this product, it should be mutually discussed and examined.
2. Use proper care when handling this fan. Components such as fan holders or bearings may be damaged, if touched with fingers or other objects. Additionally, static electricity (ESD) may damage the internal circuits of the fan.
3. DO NOT operate this fan in proximity to hazardous materials such as organic silicon, cyanogens, formalin, phenol, or corrosive gas environments including, but not limited to, H₂S, SO₂, NO₂, or Cl₂.
4. SUNON recommends that you protect this fan from exposure to outside elements such as dust, condensation, humidity or insects. Exposure of this fan to outside elements such as dust, condensation, humidity or insects may affect its performance and may cause safety hazards. SUNON does not warrant against damage to the product caused by outside elements.

建準電機工業股份有限公司 SUNONWEALTH ELECTRIC MACHINE INDUSTRY CO., LTD.	SPEC.NO	A12004610G-00	REVISION DATE	
	ISSUE DATE	12. 02. 2015	E D I T I O N	0
	P A G E	7 O F 9		

Notes



III . Other

5. This fan must be installed properly and securely. Improper mounting may cause harsh resonance, vibration, and noise.
6. Fan guards may prevent injury during handling or installation of the fan and are available for sale with this fan.
7. Unless otherwise noted, all testing of this fan is conducted at 25°C ambient temperature and sixty-five percent (65%) relative humidity.
8. DO NOT store this fan in an environment with high humidity. This fan must be stored in accordance with the attached specifications regarding storage temperature. If this fan is stored for more than 6 months, SUNON recommends functional testing before using.
9. SUNON reserves the right to use components from multiple sources at its discretion. The use of components from other sources will not affect the specifications as described herein.
10. The “Life Expectancy” of this fan has not been evaluated for use in combination with any end application. Therefore, the Life Expectancy Test Reports (L10 and MTTF Report) that relate to this fan are only for reference.

IV. WARRANTY

This fan is warranted against all defects which are proved to be fault in our workmanship and material for one year from the date of our delivery. The sole responsibility under the warranty shall be limited to the repair of the fan or the replacement thereof, at SUNON’s sole discretion. SUNON will not be responsible for the failures of its fans due to improper handling, misuse or the failure to follow specifications or instructions for use. In the event of warranty claim, the customer shall immediately notify SUNON for verification. SUNON will not be responsible for any consequential damage to the customer’s equipment as a result of any fans proven to be defective.

建準電機工業股份有限公司 SUNONWEALTH ELECTRIC MACHINE INDUSTRY CO., LTD.	SPEC.NO	A12004610G-00	REVISION DATE	
	ISSUE DATE	12. 02. 2015	E D I T I O N	0
	P A G E	8 O F 9		

Declaration of RoHS



Control declaration of environment-related substances/materials

1. In accordance with the Restriction of Hazardous Substances (RoHS) Directive, SUNON product with P/N: GN models have complied with law and discipline not to employ the forbidden substances, and restrict the allowable concentration of some limited substances deliberately in our components.

No	Substance	Criteria
1	CFCs & HCFCs (ozone depleting substances)	Forbidden
2	Chlorinated Organic Solvent	Forbidden
3	Plastic (Frame, Impeller, wire harness, etc.)	<100ppm
	Solder	<1000ppm
	Steel alloy	<3500ppm
	Aluminium alloy	<4000ppm
	Copper alloy	<4wt%
4	Solder	<20ppm
	Parts composed of metals containing zinc (e.g. brass, zinc for die casting)	<100ppm
	Plastic	<5ppm
5	PBBs and PBDEs	Forbidden
6	PCB and PCT	Forbidden
7	CP, Short-chain Chlorinated paraffins C10-13, Cl ≥48 wt%	Forbidden
8	Mirex	Forbidden
9	PCN	Forbidden
10	Hexavalent Chromium compounds	<100ppm
11	Mercury and its compounds	Forbidden
12	Asbestos	Forbidden
13	Organic Tin compounds	Forbidden
14	Azo compounds	Forbidden
15	TBBP-A in external case plastic parts of products (PCB is exempted)	<1000ppm
16	Nickel in external case parts, which are likely to result in prolonged skin exposure	<1000ppm
17	Hexabromocyclododecane (HBCDD)	<1000ppm
18	Di-butyl Phthalate (DBP)	<1000ppm
19	Benzyl butyl Phthalate (BBP)	<1000ppm
20	Di-ethylhexyl Phthalate (DEHP)	<1000ppm
21	Di-isobutyl Phthalate (DIBP)	<1000ppm

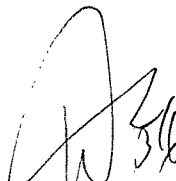
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	ISSUE DATE	12. 02. 2015	E D I T I O N	0
	P A G E	9 O F 9		

SUNON

SPECIFICATION FOR APPROVAL

CUSTOMER :
DESCRIPTION : AXIAL AC FAN
DIMENSIONS : 120X120X38 mm
MODEL : DP200A
P/N : 2123XBT.GN
SUNON SPEC. NO. : A12003110G-00
APPROVAL NO. :
APPROVED BY :

(AUTHORIZED)

DRAWN	<i>Anne</i> 4/30	CHECKED	<i>Mingjue</i> 5/4/05	APPROVED		SPEC.NO	A12003110G-00
						ISSUE DATE	04.30.2005
						EDITION	0
						REVISION DATE	
						E.SPEC	EA12108

建準電機工業股份有限公司

SUNONWEALTH ELECTRIC MACHINE INDUSTRY CO., LTD.

12FL., 120 CHUNG CHENG 1ST RD.,

TEL:886-7-7163069(41 LINES)

KAOHSIUNG, TAIWAN, R. O. C. ✓

FAX:886-7-7163086~89



AXIAL AC FAN
MODEL : DP200A
P/N : 2123XBT.GN

CHARACTERISTICS

- 1. Motor Design : Reliable Shaded-Pole Motor Construction.**
- 2. Insulation Resistance : 500 Megohms minimum at 500 VDC.**
- 3. Dielectric Strength : 1800 VAC for one second.**
- 4. Motor Protection : Impedance protected.**
- 5. Noise Level : Measured in a semi-anechoic chamber with background noise level below 15 dB(A). The fan is running in free air with the microphone at a distance of one meter from the fan intake.**
- 6. Tolerance : ±15% on rated power and current.**
- 7. Air Performance : Measured by a double chamber. The values are recorded when the fan speed has stabilized at rated voltage.**

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	ISSUE DATE	04. 30. 2005	E D I T I O N
	P A G E	2 O F 9	



SPECIFICATIONS

MODEL : DP200A

P/N : 2123XBT.GN

- 1-1. Rated Voltage : 220-240 VAC 50/60 Hz
- 1-2. Operating Voltage Range : 185~245 VAC
- 1-3. Starting Voltage : 185 VAC (25 deg. C POWER ON/OFF)
- 1-4. Rated Speed : 2850/3150 RPM \pm 10%
- 1-5. Air Delivery : 97.0/117.0 CFM
- 1-6. Static Pressure : 0.34/0.39 Inch-H₂O
- 1-7. Rated Current : 0.14/0.12 AMP
- 1-8. Rated Power : 22.0/21.0 WATTS
- 1-9. Noise Level : 45/50 dB(A)
- 1-10. Direction of Rotation : Counter-clockwise viewed from front of fan blade
- 1-11. Operating Temperature : -10 to +70 deg. C
- 1-12. Storage Temperature : -40 to +70 deg. C
- 1-13. Bearing System : Precision ball bearing system
- 1-14. Weight : 550 g
- 1-15. Safety : TUV/ UL/CUR/CE Approvals
- 1-16. Vibration : Vibration of acceleration 1.5G and frequency 5~50~5Hz is applied in all 3 directions(X,Y,Z), in cycles of 1 minute each, for a total vibration time of 30 minutes.

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MACHINE INDUSTRY CO., LTD.

SPEC.NO	A12003110G-00	REVISION DATE	
ISSUE DATE	04. 30. 2005	E D I T I O N	0
P A G E	3 OF 9		

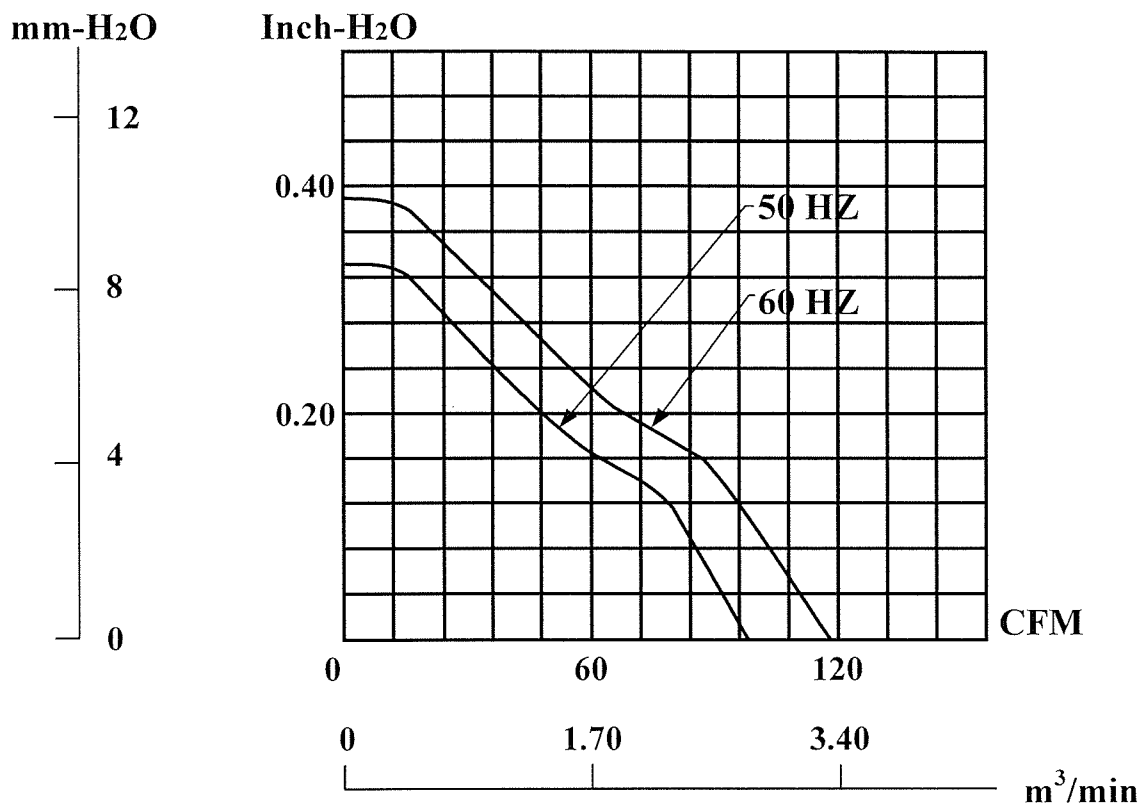


MODEL : DP200A

P/N : 2123XBT.GN

PERFORMANCE CURVES

STATIC
PRESSURE



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SPEC.NO	A12003110G-00
ISSUE DATE	04.30.2005
PAGE	4 OF 9

REVISION DATE	
EDITION	



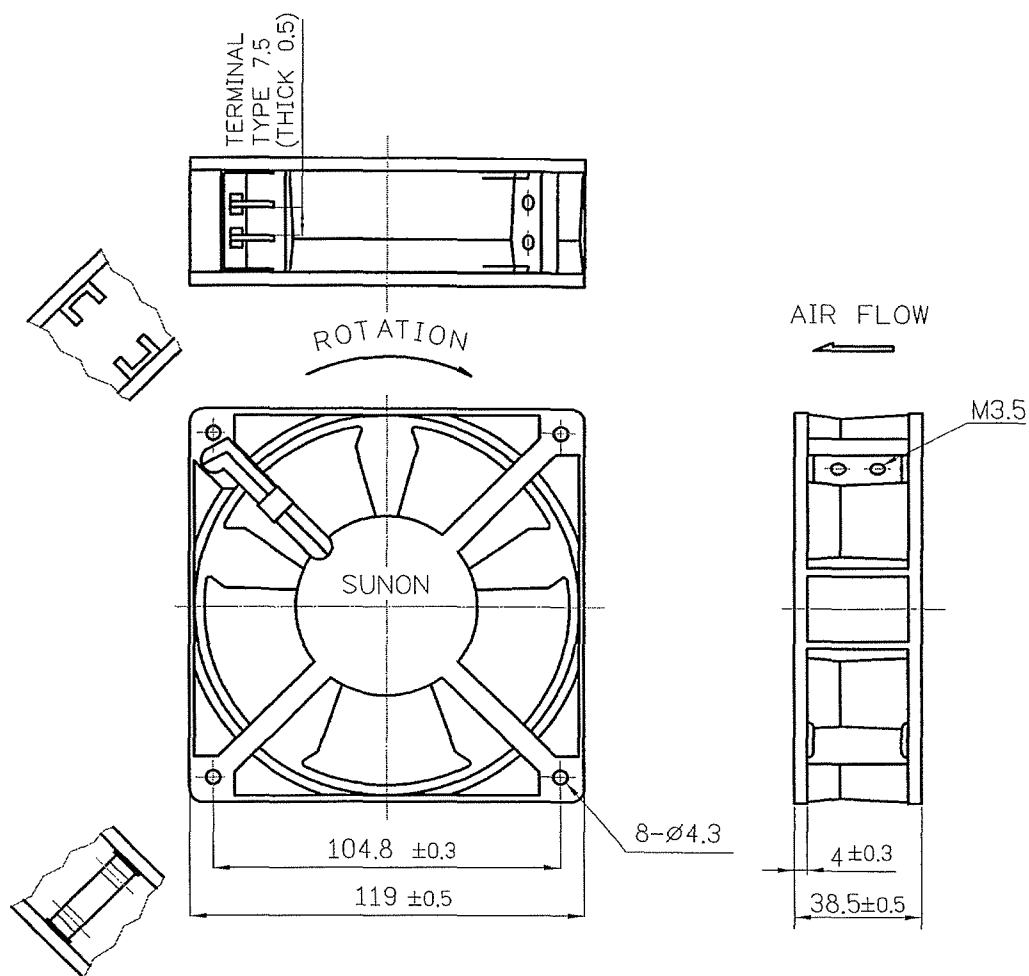
MATERIAL

2. Material

2-1. Frame : DIE-CAST ALUMINUM

2-2. Impeller : Thermoplastic PBT of UL 94V-0

DIMENSIONS



1. Air Flow Direction: Toward label side.
2. Best Mounting Direction: Any orientation.

UNITS : mm



Notes

I . Safety

- 1.SUNON will not guarantee this product if your application exceeds the limitations outlined in this specification.
- 2.There is no thermo-protector installed in this product, such as thermo-fuse, or current-fuse or thermo-protector. There may be smoking, ignition, or electric shock by insulation degradation in cases of motor lock, motor lead short circuit, overload, over voltage, and/or other failure. Please add the protection circuit to your product.
- 3.There is no reverse-connection prevention diode of VDC (+) and GND (-) installed in this product. Therefore, if VDC(+) and GND(-) are reverse connected, it may cause smoking, ignition, and/or destruction, although these conditions may not manifest immediately. We recommend that a protection device be installed on your product when there is a possibility of reverse-connection.
- 4.Please verify that this product is being installed and used in compliance with all safety standards. Please inform SUNON of any safety concerns prior to releasing your product to production.
- 5.Please handle and install this product carefully. Hitting or dropping this product may cause damage.
- 6.Please do not damage this product including coil and lead wires while installing or wiring. There may be smoking or fire.

建準電機工業股份有限公司
SUNONWEALTH ELECTRIC
MACHINE INDUSTRY CO., LTD.

SPEC.NO	A12003110G-00	REVISION DATE
ISSUE DATE	04. 30. 2005	E D I T I O N
P A G E	6 O F 9	

建準電機工業(股)
研發部
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Notes

II . Specification modification

- 1.SUNON offers engineering assistance on fan installation and cooling system design.
- 2.Any change to the parameters specified in this document will be determined by mutual agreement between both parties. Parameters which are not specified in this specification will be identical to the final sample which has been approved by your company.
- 3.Product will be shipped in accordance with this specification unless Sunon has been previously notified of parameters requiring exception.
- 4.Parameters modified by mutual consent will be incorporated in this specification.
- 5.Please notify SUNON in advance of any modification to your product or new application for this fan which may require a review of this specification.

建準電機工業股份有限公司
SUNONWEALTH ELECTRIC
MACHINE INDUSTRY CO., LTD.

SPEC.NO	A12003110G-00	REVISION DATE
ISSUE DATE	04. 30. 2005	E D I T I O N
P A G E	7 OF 9	



Notes

III . Other

1. When building your device, please examine thoroughly any variation of EMC, temperature rise, life data, quality, etc. of this product by shock/drop/vibration testing, etc. If there are any problems or accidents in connection with this product, it should be mutually discussed and examined.
2. Fan holders or bearings may be damaged if touched with fingers or other objects. Additionally, static electricity (ESD) may damage the internal circuits. Please handle this product carefully.
3. Please avoid operating SUNON's product in poisonous material (organic silicon, cyanogens, formalin, phenol, etc.) or corrosive gas environments (H₂S, SO₂, NO₂, Cl₂, etc).
4. SUNON does not warrant performance safety against accidents caused by dust, water, droplets, dew, bugs, etc.
5. Please advise us in advance if you require documents for export.
6. Improper mounting may cause harsh resonance, vibration, and noise. Please mount securely.
7. Safety is a top priority. Please furnish guard accessories to prevent injury to personnel.
8. Unless otherwise noted, all tests are conducted at 25°C ambient temperature and 65% relative humidity.
9. Always ensure that fans are stored according to the storage temperatures specified. Do not store in a high humidity environment. If the fans are stored for more than 6 months, SUNON recommends functional testing before using.
10. SUNON reserves the right to use components with equivalent specifications from multiple sources.

建準電機工業股份有限公司
SUNONWEALTH ELECTRIC
MACHINE INDUSTRY CO., LTD.

SPEC.NO	A12003110G-00	REVISION DATE
ISSUE DATE	04. 30. 2005	E D I T I O N
P A G E	8 O F 9	



Declaration of RoHS

Control declaration of environment- related substances/ materials

1. In accordance with the Restriction of Hazardous Substances (RoHS) Directive, Sunon product with P/N: GN models have complied with law and discipline not to employ the forbidden substances, and restrict the allowable concentration of some limited substances deliberately in our components.

No	Substance	Criteria
1	Halogens & its compounds (Substances depleting the ozone layer)	Forbidden
2	Chlorinated Organic Solvent	Forbidden
3	Lead and its compounds	Plastic (Frame, Impeller, wire harness, etc.)
		Solder
		Iron Alloy
		Aluminium Alloy
		Copper Alloy
4	Cadmium and its compounds	Solder
		Cadmium Alloy
		Plastic
5	PBB and PBDE Category	Forbidden
6	PCB and PCT Category	Forbidden
7	CP	Forbidden
8	Mirex	Forbidden
9	PCN category	Forbidden
10	Hexavalent Chromium Compounds	< 100ppm
11	Mercury and its compounds	Forbidden
12	Asbestos	Forbidden
13	Organic Tin Compounds	Forbidden
14	Azo Compounds	Forbidden



SUNON

SPECIFICATION FOR APPROVAL

CUSTOMER :
DESCRIPTION : AXIAL AC FAN
DIMENSIONS : 120X120X38 mm
MODEL : DP200A
P/N : 2123XBL.GN
SUNON SPEC. NO. : A12003210G-00
APPROVAL NO. :
APPROVED BY :

(AUTHORIZED)

DRAWN	<i>Anne</i> 4/30	CHECKED	<i>Wingjue</i> 0430	APPROVED	<i>[Signature]</i>	SPEC.NO	A12003210G-00
						ISSUE DATE	04.30.2005
						EDITION	0
						REVISION DATE	
						E.SPEC	EA12108

建準電機工業股份有限公司

SUNONWEALTH ELECTRIC MACHINE INDUSTRY CO., LTD.

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KAOHSIUNG, TAIWAN, R. O. C. ~

FAX:886-7-7163086~89



AXIAL AC FAN
MODEL : DP200A
P/N : 2123XBL.GN

CHARACTERISTICS

- 1. Motor Design : Reliable Shaded-Pole Motor Construction.**
- 2. Insulation Resistance : 500 Megohms minimum at 500 VDC.**
- 3. Dielectric Strength : 1800 VAC for one second.**
- 4. Motor Protection : Impedance protected.**
- 5. Noise Level : Measured in a semi-anechoic chamber with background noise level below 15 dB(A). The fan is running in free air with the microphone at a distance of one meter from the fan intake.**
- 6. Tolerance : $\pm 15\%$ on rated power and current.**
- 7. Air Performance : Measured by a double chamber. The values are recorded when the fan speed has stabilized at rated voltage.**

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	ISSUE DATE	04. 30. 2005	E D I T I O N	0
	P A G E	2 O F 9		



SPECIFICATIONS

MODEL : DP200A

P/N : 2123XBL.GN

- 1-1. Rated Voltage : 220-240 VAC 50/60 Hz
- 1-2. Operating Voltage Range : 185~245 VAC
- 1-3. Starting Voltage : 185 VAC (25 deg. C POWER ON/OFF)
- 1-4. Rated Speed : 2850/3150 RPM \pm 10%
- 1-5. Air Delivery : 97.0/117.0 CFM
- 1-6. Static Pressure : 0.34/0.39 Inch-H₂O
- 1-7. Rated Current : 0.14/0.12 AMP
- 1-8. Rated Power : 22.0/21.0 WATTS
- 1-9. Noise Level : 45/50 dB(A)
- 1-10. Direction of Rotation : Counter-clockwise viewed from front of fan blade
- 1-11. Operating Temperature : -10 to +70 deg. C
- 1-12. Storage Temperature : -40 to +70 deg. C
- 1-13. Bearing System : Precision ball bearing system
- 1-14. Weight : 550 g
- 1-15. Safety : TUV/ UL/CUR/CE Approvals
- 1-16. Vibration : Vibration of acceleration 1.5G and frequency 5~50~5Hz is applied in all 3 directions(X,Y,Z), in cycles of 1 minute each, for a total vibration time of 30 minutes.

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SPEC.NO	A12003210G-00	REVISION DATE
ISSUE DATE	04. 30. 2005	E D I T I O N
P A G E	3 OF 9	

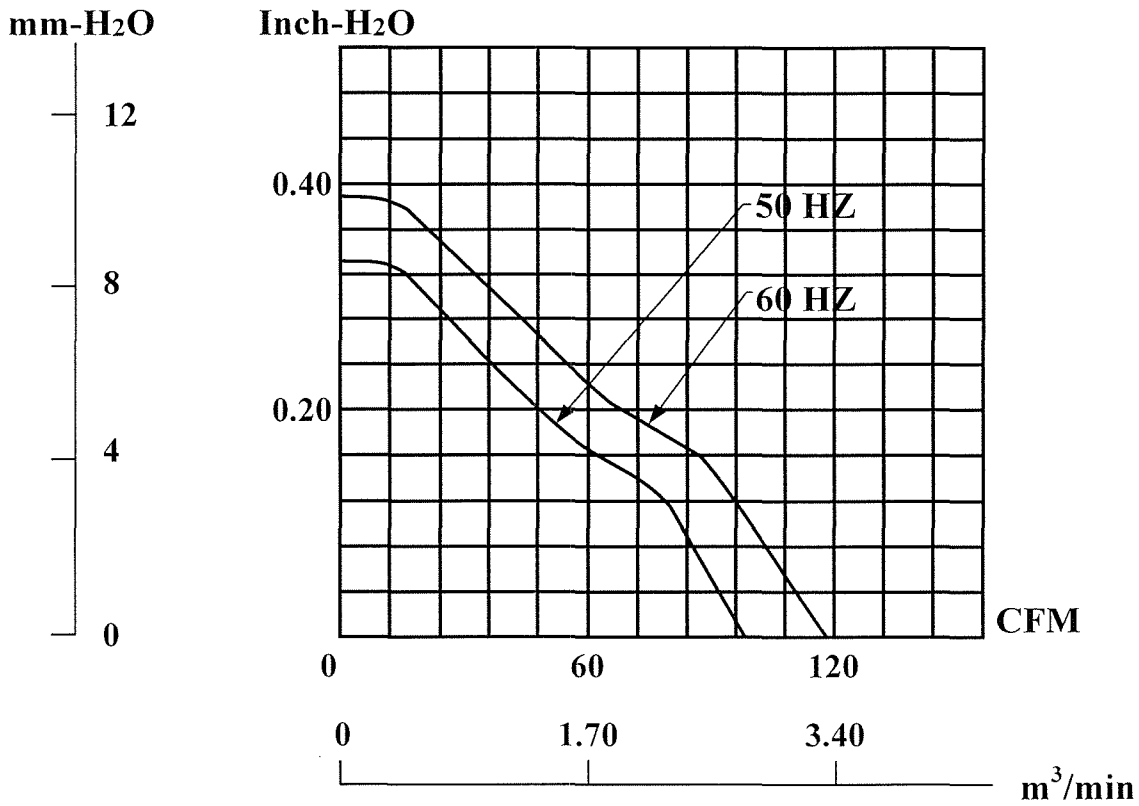


MODEL : DP200A

P/N : 2123XBL.GN

PERFORMANCE CURVES

STATIC
PRESSURE



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SPEC.NO	A12003210G-00	REVISION DATE	
ISSUE DATE	04.30.2005	EDITION	
PAGE	4 OF 9		

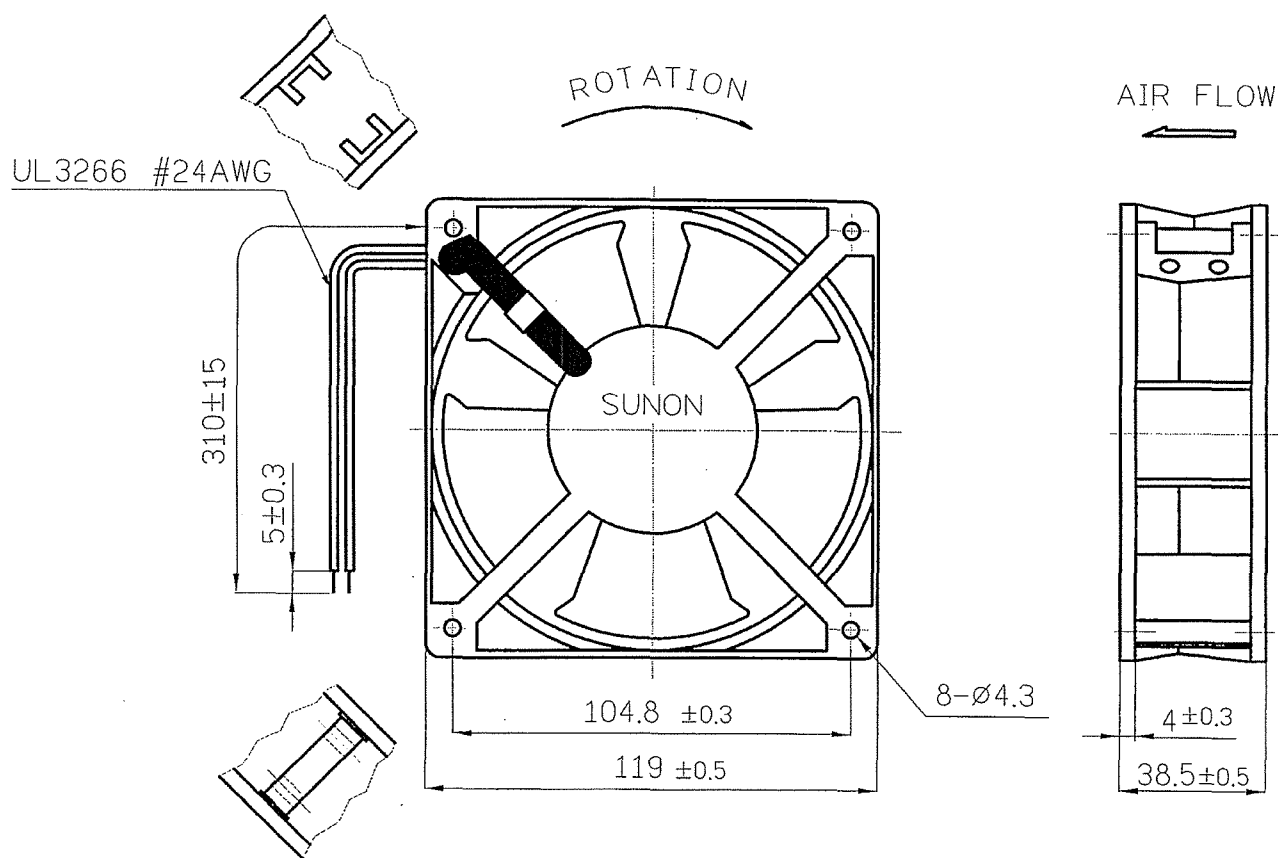


MATERIAL

2. Material

- 2-1. Frame : DIE-CAST ALUMINUM
- 2-2. Impeller : Thermoplastic PBT of UL 94V-0
- 2-4. Lead Wire : UL3266, 24 awg, GRAY

DIMENSIONS



- 1. Air Flow Direction: Toward label side.
- 2. Best Mounting Direction: Any orientation.

UNITS : mm

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SPEC.NO	A12003210G-00	REVISION DATE
ISSUE DATE	04. 30. 2005	EDITION
PAGE	5 OF 9	

REVISION DATE	
EDITION	



Notes

I . Safety

- 1.SUNON will not guarantee this product if your application exceeds the limitations outlined in this specification.
- 2.There is no thermo-protector installed in this product, such as thermo-fuse, or current-fuse or thermo-protector. There may be smoking, ignition, or electric shock by insulation degradation in cases of motor lock, motor lead short circuit, overload, over voltage, and/or other failure. Please add the protection circuit to your product.
- 3.There is no reverse-connection prevention diode of VDC (+) and GND (-) installed in this product. Therefore, if VDC(+) and GND(-) are reverse connected, it may cause smoking, ignition, and/or destruction, although these conditions may not manifest immediately. We recommend that a protection device be installed on your product when there is a possibility of reverse-connection.
- 4.Please verify that this product is being installed and used in compliance with all safety standards. Please inform SUNON of any safety concerns prior to releasing your product to production.
- 5.Please handle and install this product carefully. Hitting or dropping this product may cause damage.
- 6.Please do not damage this product including coil and lead wires while installing or wiring. There may be smoking or fire.

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MACHINE INDUSTRY CO., LTD.

SPEC.NO	A12003210G-00	REVISION DATE
ISSUE DATE	04. 30. 2005	E D I T I O N
P A G E	6 O F 9	



Notes

II . Specification modification

- 1.SUNON offers engineering assistance on fan installation and cooling system design.
- 2.Any change to the parameters specified in this document will be determined by mutual agreement between both parties. Parameters which are not specified in this specification will be identical to the final sample which has been approved by your company.
- 3.Product will be shipped in accordance with this specification unless Sunon has been previously notified of parameters requiring exception.
- 4.Parameters modified by mutual consent will be incorporated in this specification.
- 5.Please notify SUNON in advance of any modification to your product or new application for this fan which may require a review of this specification.

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SPEC.NO	A12003210G-00	REVISION DATE
ISSUE DATE	04. 30. 2005	E D I T I O N
P A G E	7 O F 9	



Notes

III . Other

1. When building your device, please examine thoroughly any variation of EMC, temperature rise, life data, quality, etc. of this product by shock/drop/vibration testing, etc. If there are any problems or accidents in connection with this product, it should be mutually discussed and examined.
2. Fan holders or bearings may be damaged if touched with fingers or other objects. Additionally, static electricity (ESD) may damage the internal circuits. Please handle this product carefully.
3. Please avoid operating SUNON's product in poisonous material (organic silicon, cyanogens, formalin, phenol, etc.) or corrosive gas environments (H₂S, SO₂, NO₂, Cl₂, etc).
4. SUNON does not warrant performance safety against accidents caused by dust, water, droplets, dew, bugs, etc.
5. Please advise us in advance if you require documents for export.
6. Improper mounting may cause harsh resonance, vibration, and noise. Please mount securely.
7. Safety is a top priority. Please furnish guard accessories to prevent injury to personnel.
8. Unless otherwise noted, all tests are conducted at 25°C ambient temperature and 65% relative humidity.
9. Always ensure that fans are stored according to the storage temperatures specified. Do not store in a high humidity environment. If the fans are stored for more than 6 months, SUNON recommends functional testing before using.
10. SUNON reserves the right to use components with equivalent specifications from multiple sources.



Declaration of RoHS

Control declaration of environment- related substances/ materials

1. In accordance with the Restriction of Hazardous Substances (RoHS) Directive, Sunon product with P/N: GN models have complied with law and discipline not to employ the forbidden substances, and restrict the allowable concentration of some limited substances deliberately in our components.

No	Substance	Criteria
1	Halogens & its compounds (Substances depleting the ozone layer)	Forbidden
2	Chlorinated Organic Solvent	Forbidden
3	Lead and its compounds	
	Plastic (Frame, Impeller, wire harness, etc.)	< 100ppm
	Solder	< 1000ppm
	Iron Alloy	< 3500ppm
	Aluminium Alloy	< 4000ppm
4	Cadmium and its compounds	
	Solder	< 20ppm
	Cadmium Alloy	< 100ppm
	Plastic	< 5ppm
5	PBB and PBDE Category	Forbidden
6	PCB and PCT Category	Forbidden
7	CP	Forbidden
8	Mirex	Forbidden
9	PCN category	Forbidden
10	Hexavalent Chromium Compounds	< 100ppm
11	Mercury and its compounds	Forbidden
12	Asbestos	Forbidden
13	Organic Tin Compounds	Forbidden
14	Azo Compounds	Forbidden

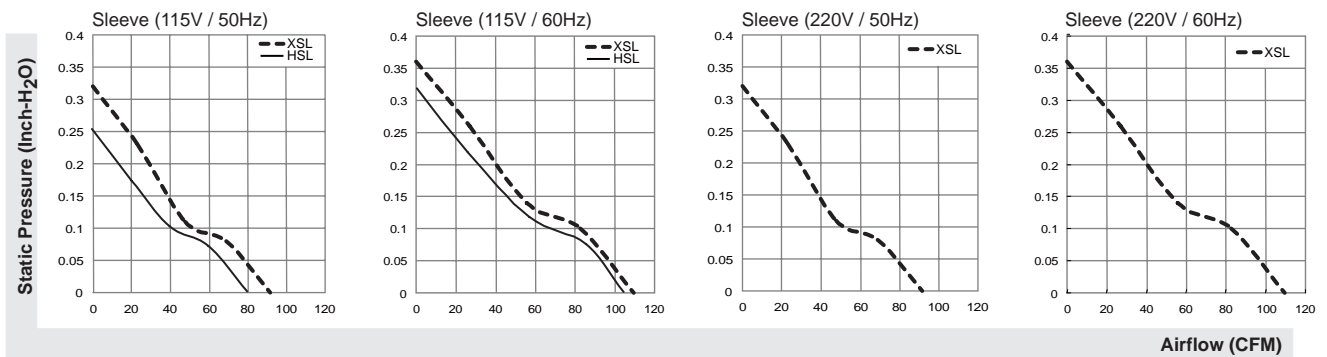


Skeleton AC Fan 80~110CFM

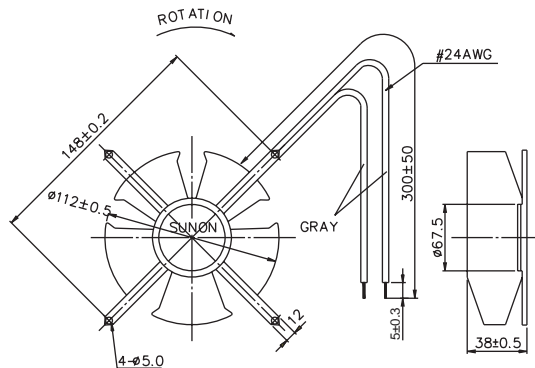


Model	P/N	Bearing	Rating Voltage (VAC)	Freq. (Hz)	Power Current (AMP)	Power Consumption (WATTS)	Speed (RPM)	Air Flow (CFM)	Static Pressure (Inch-H ₂ O)	Noise (dBA)	Weight (g)
SP100-4F	1123XSL.GN	● VAPD ○ BALL ◎ Sleeve	115	50/60	0.26/0.24	22/20	2600/3000	92/110	0.32/0.36	43/48	435
SP101-4F	1123HSL.GN	◎	115	50/60	0.21/0.18	20/18	2550/2900	80/105	0.25/0.32	39/45	435
DP200-4F	2123XSL.GN	◎	220-240	50/60	0.14/0.12	22/21	2700/3100	90/110	0.32/0.37	44/49	435

Frame : Aluminum alloy



UNITS:mm



*All model could be customized on voltage or any other requirements to fit your need.

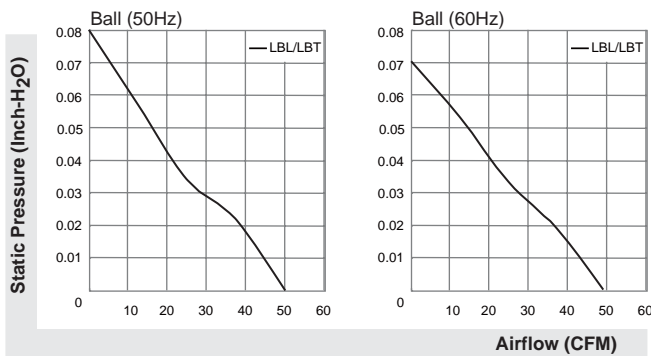
*Specifications subject to change without notice. Please Visit SUNON web site at <http://www.sunon.com> for update information.

Low Power Consumption
50~49CFM

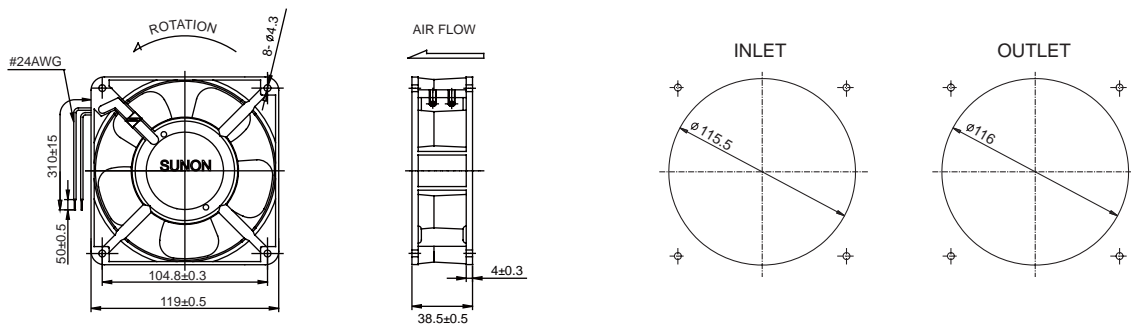


Model	P/N	Bearing	Rating Voltage (VAC)	Freq. (Hz)	Power Current (AMP)	Power Consumption (WATTS)	Speed (RPM)	Air Flow (CFM)	Static Pressure (Inch-H ₂ O)	Noise (dBA)	Weight (g)
DP203A	2123LBL.(5).GN	○ VAPD ○ BALL ○ Sleeve	220-240	50/60	0.04/0.04	8/8	1650/1600	50/49	0.08/0.07	26/25	550
DP203A	2123LBT.(5).GN	○	220-240	50/60	0.04/0.04	8/8	1650/1600	50/49	0.08/0.07	26/25	550

Frame : Aluminum alloy



UNITS:mm



*All model could be customized on voltage or any other requirements to fit your need.

*Specifications subject to change without notice. Please Visit SUNON web site at <http://www.sunon.com> for update information.

120x120x38 mm

Dual AC Voltage

95~115 CFM



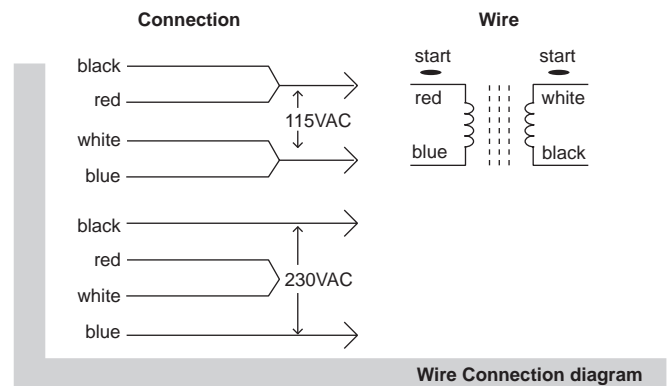
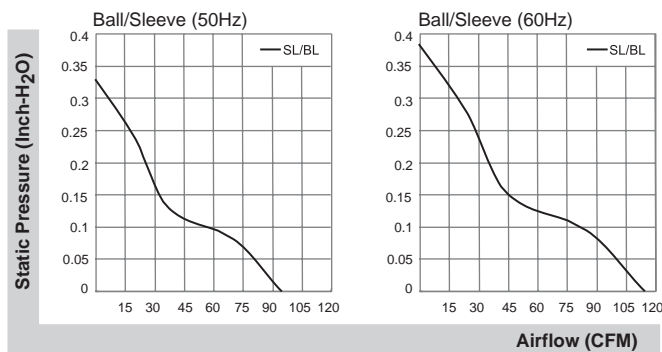
■ Specifications

Model	P/N	Bearing	Rating Voltage	Freq.	Power Current	Power Consumption	Speed	Air Flow	Static Pressure	Noise	Weight
		● VAPO ○ BALL ○ Sleeve	(VAC)	(Hz)	(AMP)	(WATTS)	(RPM)	(CFM)	(Inch-H ₂ O)	(dB(A))	(g)
SF1212AD	SL.GN	●	115	50/60	0.27/0.24	21.5/19	2700/3100	95/115	0.33/0.38	44/49	550
			220-240	50/60	0.13/0.12	19.5/19	2700/3100	95/115	0.33/0.38	44/49	550
SF1212AD	BL.GN	○	115	50/60	0.27/0.24	21.5/19	2700/3100	95/115	0.33/0.38	44/49	550
			220-240	50/60	0.13/0.12	19.5/19	2700/3100	95/115	0.33/0.38	44/49	550

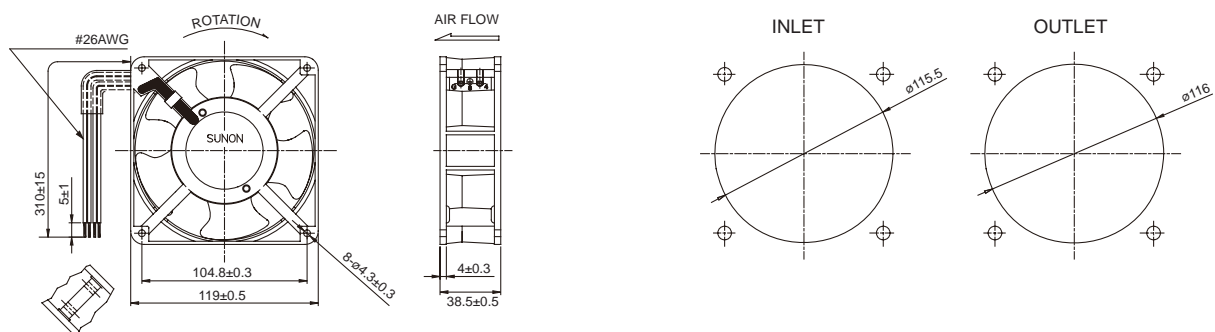
Frame : Aluminum alloy

Safety : UL-CUL/TUV/CE/CCC/BSMI

■ Air Flow-Static Pressure Characteristics



■ External dimensions(mm)



*All model could be customized. Please contact with Sunon Sales.

*Specifications are subject to change without notice. Please Visit SUNON website at <http://www.sunon.com> for update information.

120X120X38 mm

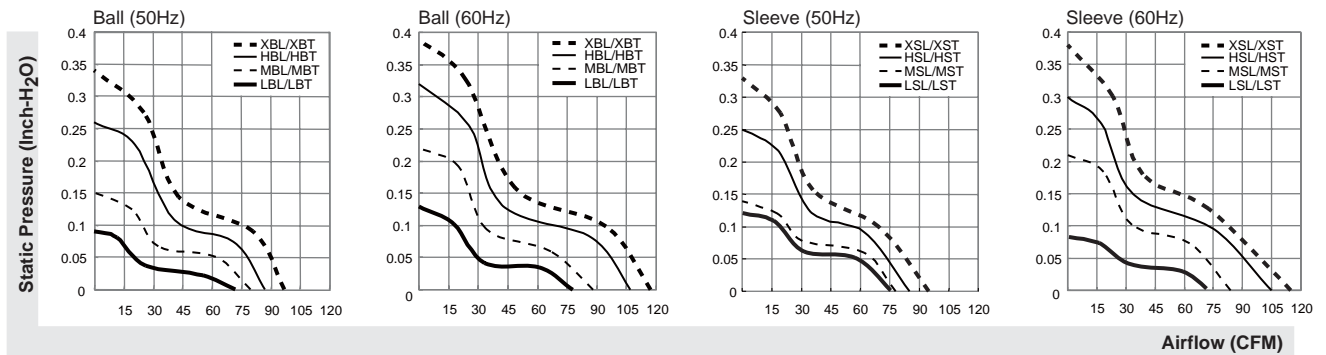
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70-117 CFM

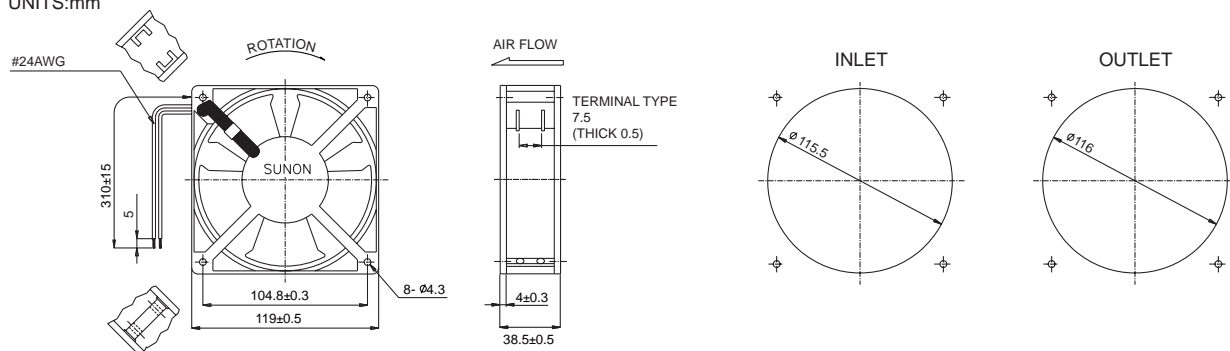


Model	P/N	Bearing	Rating Voltage (VAC)	Freq. (Hz)	Power Current (AMP)	Power Consumption (WATTS)	Speed (RPM)	Air Flow (CFM)	Static Pressure (Inch-H ₂ O)	Noise (dBA)	Weight (g)
SP100A	1123XSL.GN	● VAP0	115	50/60	0.26/0.24	22/20	2700/3100	95/115	0.33/0.38	44/49	550
SP100A	1123XST.GN	○ BALL	115	50/60	0.26/0.24	22/20	2700/3100	95/115	0.33/0.38	44/49	550
SP101A	1123HSL.GN	○ BALL	115	50/60	0.21/0.18	20/18	2550/2900	85/105	0.25/0.30	43/48	550
SP101A	1123HST.GN	○ SLEEVE	115	50/60	0.21/0.18	20/18	2550/2900	85/105	0.25/0.30	43/48	550
SP102A	1123MSL.GN	○ BALL	115	50/60	0.17/0.16	15/15	2400/2600	78/84	0.14/0.21	33/38	550
SP102A	1123MST.GN	○ SLEEVE	115	50/60	0.17/0.16	15/15	2400/2600	78/84	0.14/0.21	33/38	550
SP103A	1123LSL.GN	○ BALL	115	50/60	0.13/0.11	11/11	2200/2000	76/70	0.12/0.08	38/36	550
SP103A	1123LST.GN	○ SLEEVE	115	50/60	0.13/0.11	11/11	2200/2000	76/70	0.12/0.08	38/36	550
SP100A	1123XBL.GN	○ BALL	115	50/60	0.26/0.24	22/20	2850/3150	97/117	0.34/0.39	45/50	550
SP100A	1123XBT.GN	○ SLEEVE	115	50/60	0.26/0.24	22/20	2850/3150	97/117	0.34/0.39	45/50	550
SP101A	1123HBL.GN	○ BALL	115	50/60	0.21/0.18	20/18	2750/3050	87/107	0.26/0.32	45/50	550
SP101A	1123HBT.GN	○ SLEEVE	115	50/60	0.21/0.18	20/18	2750/3050	87/107	0.26/0.32	45/50	550
SP102A	1123MBL.GN	○ BALL	115	50/60	0.17/0.16	16/15	2500/2700	80/88	0.15/0.22	35/40	550
SP102A	1123MBT.GN	○ SLEEVE	115	50/60	0.17/0.16	16/15	2500/2700	80/88	0.15/0.22	35/40	550
SP103A	1123LBL.GN	○ BALL	115	50/60	0.13/0.11	11/11	2150/2300	72/78	0.09/0.13	37/39	550
SP103A	1123LBT.GN	○ SLEEVE	115	50/60	0.13/0.11	11/11	2150/2300	72/78	0.09/0.13	37/39	550

Frame : Aluminum alloy



UNITS:mm



*All model could be customized on voltage or any other requirements to fit your need.

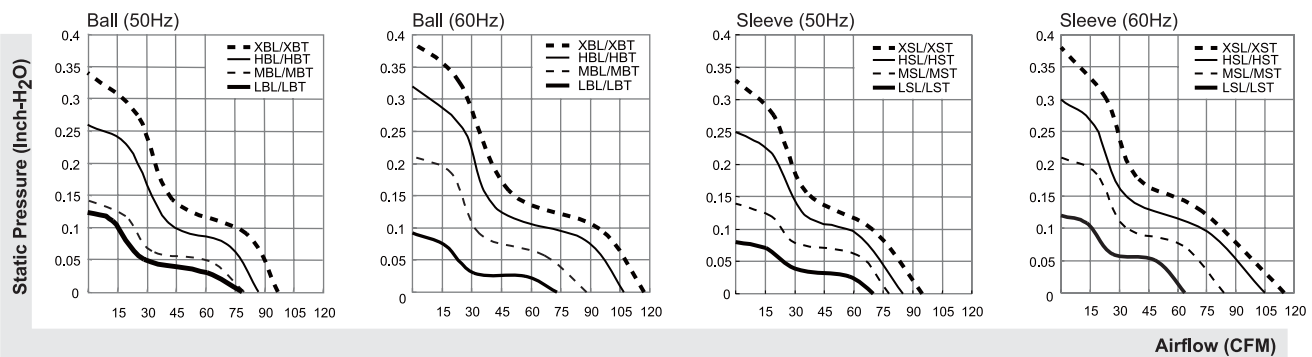
*Specifications subject to change without notice. Please Visit SUNON web site at <http://www.sunon.com> for update information.

70-117 CFM

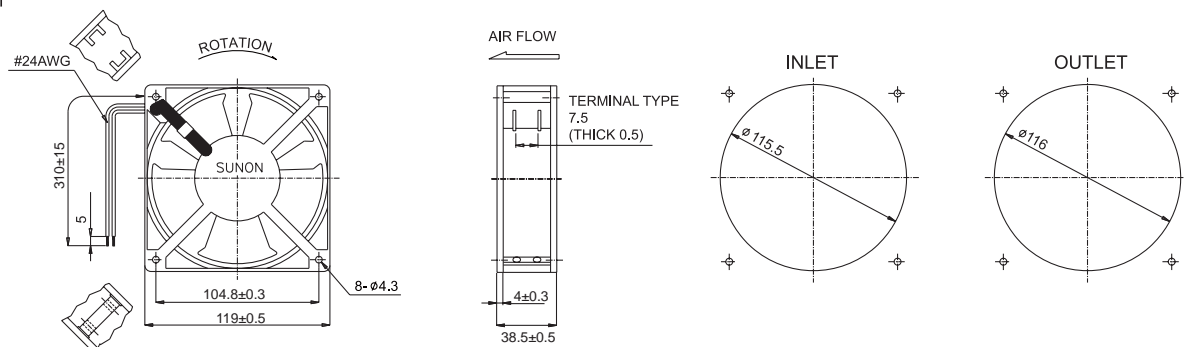


Model	P/N	Bearing	Rating Voltage (VAC)	Freq. (Hz)	Power Current (AMP)	Power Consumption (WATTS)	Speed (RPM)	Air Flow (CFM)	Static Pressure (Inch-H ₂ O)	Noise (dBA)	Weight (g)
DP200A	2123XSL.GN	●	220-240	50/60	0.14/0.12	22/21	2700/3100	95/115	0.33/0.38	44/49	550
DP200A	2123XST.GN	○	220-240	50/60	0.14/0.12	22/21	2700/3100	95/115	0.33/0.38	44/49	550
DP201A	2123HSL.GN	●	220-240	50/60	0.125/0.11	20/19	2550/2900	85/105	0.25/0.30	43/48	550
DP201A	2123HST.GN	○	220-240	50/60	0.125/0.11	20/19	2550/2900	85/105	0.25/0.30	43/48	550
DP202A	2123MSL.GN	●	220-240	50/60	0.09/0.08	16/15	2300/2500	78/84	0.14/0.21	33/38	550
DP202A	2123MST.GN	○	220-240	50/60	0.09/0.08	16/15	2300/2500	78/84	0.14/0.21	33/38	550
DP203A	2123LSL.GN	●	220-240	50/60	0.06/0.05	11/10	2000/1800	70/63	0.08/0.07	36/32	550
DP203A	2123LST.GN	○	220-240	50/60	0.06/0.05	11/10	2000/1800	70/63	0.08/0.07	36/32	550
DP200A	2123XBL.GN	○	220-240	50/60	0.14/0.12	22/21	2850/3150	97/117	0.34/0.39	45/50	550
DP200A	2123XBT.GN	○	220-240	50/60	0.14/0.12	22/21	2850/3150	97/117	0.34/0.39	45/50	550
DP201A	2123HBL.GN	○	220-240	50/60	0.125/0.11	20/19	2750/3050	87/107	0.26/0.32	45/50	550
DP201A	2123HBT.GN	○	220-240	50/60	0.125/0.11	20/19	2750/3050	87/107	0.26/0.32	45/50	550
DP202A	2123MBL.GN	○	220-240	50/60	0.09/0.08	16/15	2400/2600	78/84	0.14/0.21	34/39	550
DP202A	2123MBT.GN	○	220-240	50/60	0.09/0.08	16/15	2400/2600	78/84	0.14/0.21	34/39	550
DP203A	2123LBL.GN	○	220-240	50/60	0.05/0.06	10/10	2300/2150	78/72	0.13/0.09	39/37	550
DP203A	2123LBT.GN	○	220-240	50/60	0.05/0.06	10/10	2300/2150	78/72	0.13/0.09	39/37	550

Frame : Aluminum alloy



UNITS:mm



*All model could be customized on voltage or any other requirements to fit your need.

*Specifications subject to change without notice. Please Visit SUNON web site at <http://www.sunon.com> for update information.

120X120X38 mm

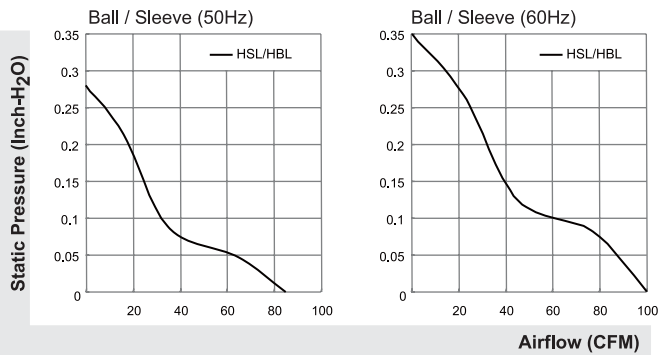
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85-100 CFM

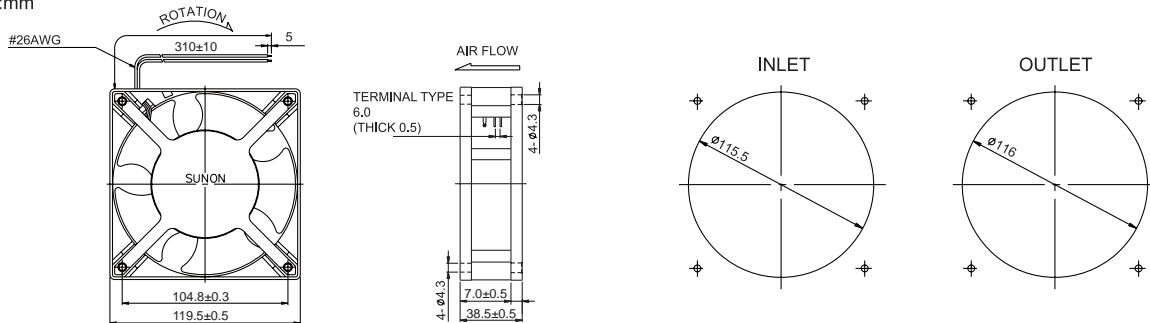


Model	P/N	Bearing	Rating Voltage (VAC)	Freq. (Hz)	Power Current (AMP)	Power Consumption (WATTS)	Speed (RPM)	Air Flow (CFM)	Static Pressure (Inch-H ₂ O)	Noise (dBA)	Weight (g)
SP109WR	1123HST.GN	● VAPO	115	50/60	0.25/0.22	22/20	2500/2900	85/100	0.28/0.35	41/47	465
SP109WR	1123HSL.GN	○ BALL	115	50/60	0.25/0.22	22/20	2500/2900	85/100	0.28/0.35	41/47	465
SP109WR	1123HBT.GN	○ Sleeve	115	50/60	0.25/0.22	22/20	2500/2900	85/100	0.25/0.30	42/48	465
SP109WR	1123HBL.GN	○ Sleeve	115	50/60	0.25/0.22	22/20	2500/2900	85/100	0.25/0.30	42/48	465
DP209WR	2123HST.GN	● VAPO	220-240	50/60	0.13/0.12	22/21	2500/2900	85/100	0.28/0.35	41/47	465
DP209WR	2123HSL.GN	○ BALL	220-240	50/60	0.13/0.12	22/21	2500/2900	85/100	0.28/0.35	41/47	465
DP209WR	2123HBT.GN	○ Sleeve	220-240	50/60	0.13/0.12	22/21	2500/2900	85/100	0.25/0.30	42/48	465
DP209WR	2123HBL.GN	○ Sleeve	220-240	50/60	0.13/0.12	22/21	2500/2900	85/100	0.25/0.30	42/48	465

Frame : PBT Plastic



UNITS:mm



*All model could be customized on voltage or any other requirements to fit your need.

*Specifications subject to change without notice. Please Visit SUNON web site at <http://www.sunon.com> for update information.

120X120X38 mm

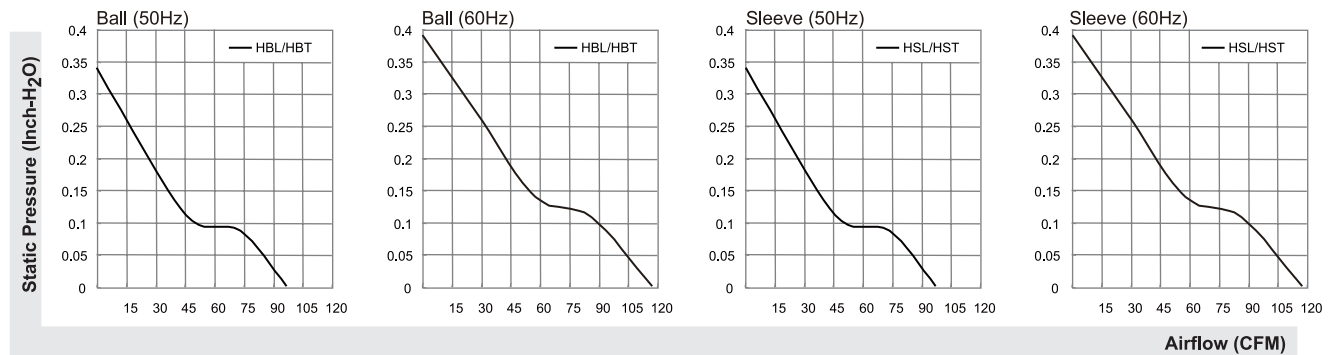
SUNON

95-117 CFM

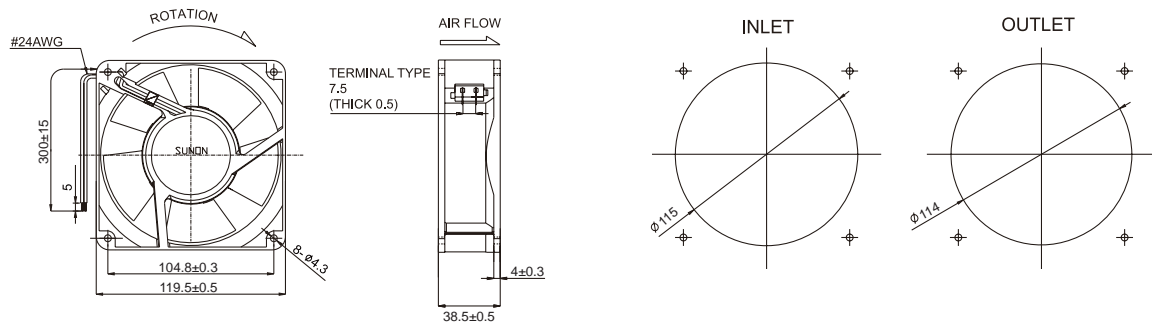


Model	P/N	Bearing	Rating Voltage (VAC)	Freq. (Hz)	Power Current (AMP)	Power Consumption (WATTS)	Speed (RPM)	Air Flow (CFM)	Static Pressure (Inch-H ₂ O)	Noise (dBA)	Weight (g)
A1123-HST	GN	● Vapo	115	50/60	0.28/0.25	23/20	2700/3100	95/115	0.33/0.38	44/49	525
A1123-HSL	GN	○ BALL	115	50/60	0.28/0.25	23/20	2700/3100	95/115	0.33/0.38	44/49	525
A1123-HBT	GN	○ Sleeve	115	50/60	0.28/0.25	23/20	2700/3100	97/117	0.34/0.39	45/50	525
A1123-HBL	GN	○ BALL	115	50/60	0.28/0.25	23/20	2700/3100	97/117	0.34/0.39	45/50	525
A2123-HST	GN	● Vapo	220-240	50/60	0.14/0.12	23/20	2700/3100	95/115	0.33/0.38	44/49	525
A2123-HSL	GN	○ BALL	220-240	50/60	0.14/0.12	23/20	2700/3100	95/115	0.33/0.38	44/49	525
A2123-HBT	GN	○ Sleeve	220-240	50/60	0.14/0.12	23/20	2700/3100	97/117	0.34/0.39	45/50	525
A2123-HBL	GN	○ BALL	220-240	50/60	0.14/0.12	23/20	2700/3100	97/117	0.34/0.39	45/50	525

Frame : Aluminum alloy



UNITS:mm



*All model could be customized on voltage or any other requirements to fit your need.

*Specifications subject to change without notice. Please Visit SUNON web site at <http://www.sunon.com> for update information.

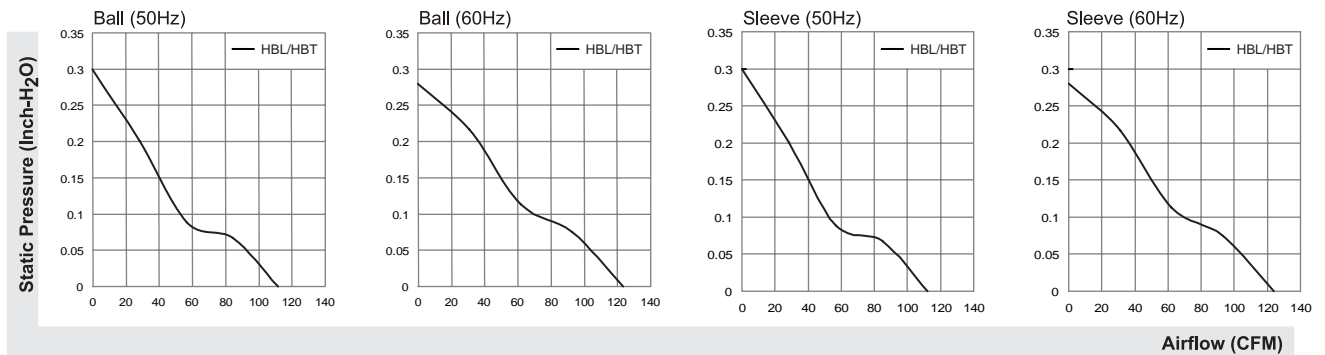
High Air Flow

112-124 CFM

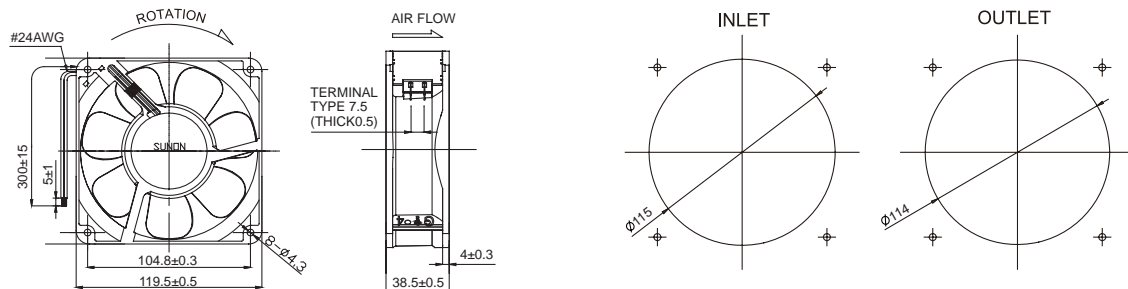


Model	P/N	Bearing	Rating Voltage (VAC)	Freq. (Hz)	Power Current (AMP)	Power Consumption (WATTS)	Speed (RPM)	Air Flow (CFM)	Static Pressure (Inch-H ₂ O)	Noise (dBA)	Weight (g)
A1123-HST	(7).GN	● VAP0	115	50/60	0.28/0.25	23/21	2500/2750	112/124	0.30/0.28	43/46	525
A1123-HSL	(7).GN	○ BALL	115	50/60	0.28/0.25	23/21	2500/2750	112/124	0.30/0.28	43/46	525
A1123-HBT	(7).GN	⊙ Sleeve	115	50/60	0.28/0.25	23/21	2500/2750	112/124	0.30/0.28	44/47	525
A1123-HBL	(7).GN	○ BALL	115	50/60	0.28/0.25	23/21	2500/2750	112/124	0.30/0.28	44/47	525
A2123-HST	(7).GN	● VAP0	220-240	50/60	0.14/0.12	24/22	2500/2750	112/124	0.30/0.28	43/46	525
A2123-HSL	(7).GN	○ BALL	220-240	50/60	0.14/0.12	24/22	2500/2750	112/124	0.30/0.28	43/46	525
A2123-HBT	(7).GN	⊙ Sleeve	220-240	50/60	0.14/0.12	24/22	2500/2750	112/124	0.30/0.28	44/47	525
A2123-HBL	(7).GN	○ BALL	220-240	50/60	0.14/0.12	24/22	2500/2750	112/124	0.30/0.28	44/47	525

Frame : Aluminum alloy



UNITS:mm



*All model could be customized on voltage or any other requirements to fit your need.

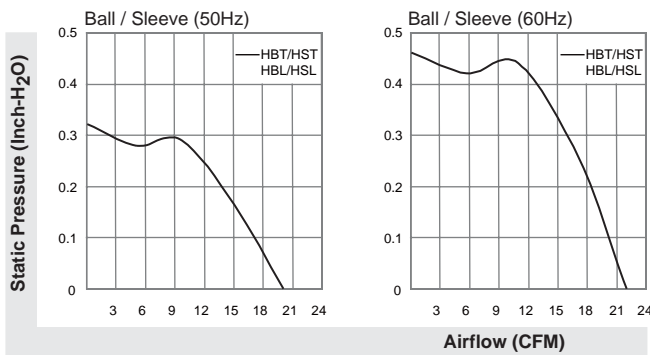
*Specifications subject to change without notice. Please Visit SUNON web site at <http://www.sunon.com> for update information.

20-22 CFM

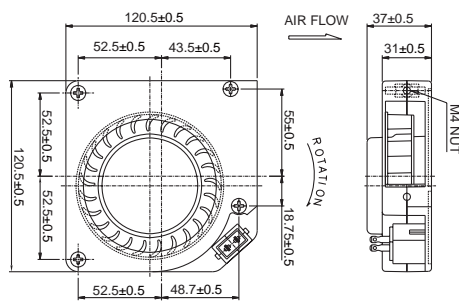


Model	P/N	Bearing	Rating Voltage (VAC)	Freq. (Hz)	Power Current (AMP)	Power Consumption (WATTS)	Speed (RPM)	Air Flow (CFM)	Static Pressure (Inch-H ₂ O)	Noise (dBA)	Weight (g)
AB1123-HST	GN	● VAPO	115	50/60	0.25/0.21	20/18	2600/2900	20/22	0.32/0.46	48/50	678
AB1123-HSL	GN	○ BALL	115	50/60	0.25/0.21	20/18	2600/2900	20/22	0.32/0.46	48/50	678
AB1123-HBT	GN	○ Sleeve	115	50/60	0.25/0.21	20/18	2600/2900	20/22	0.32/0.46	48/50	678
AB1123-HBL	GN	○	115	50/60	0.25/0.21	20/18	2600/2900	20/22	0.32/0.46	48/50	678
AB2123-HST	GN	● VAPO	220-240	50/60	0.14/0.11	20/18	2600/2900	20/22	0.32/0.46	48/50	678
AB2123-HSL	GN	○ BALL	220-240	50/60	0.14/0.11	20/18	2600/2900	20/22	0.32/0.46	48/50	678
AB2123-HBT	GN	○ Sleeve	220-240	50/60	0.14/0.11	20/18	2600/2900	20/22	0.32/0.46	48/50	678
AB2123-HBL	GN	○	220-240	50/60	0.14/0.11	20/18	2600/2900	20/22	0.32/0.46	48/50	678

Frame : Aluminum alloy



UNITS:mm



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120X120X25 mm

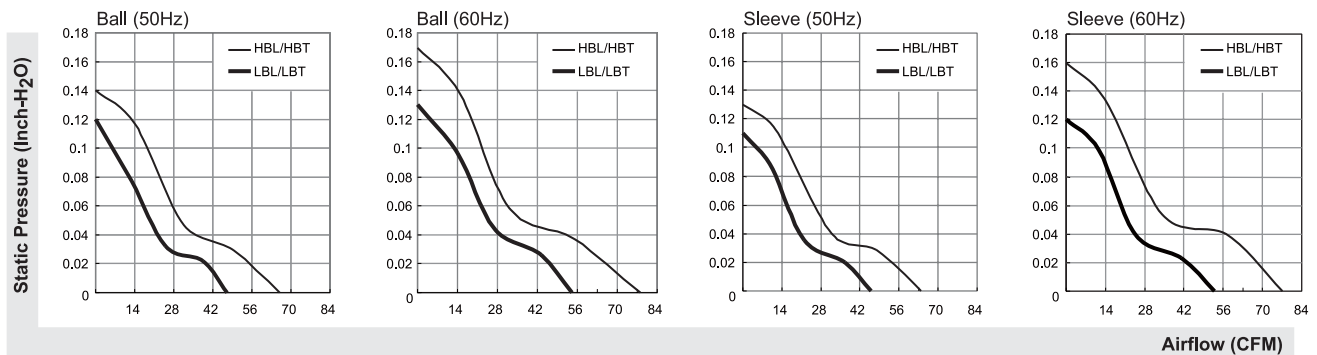
SUNON

46-80 CFM

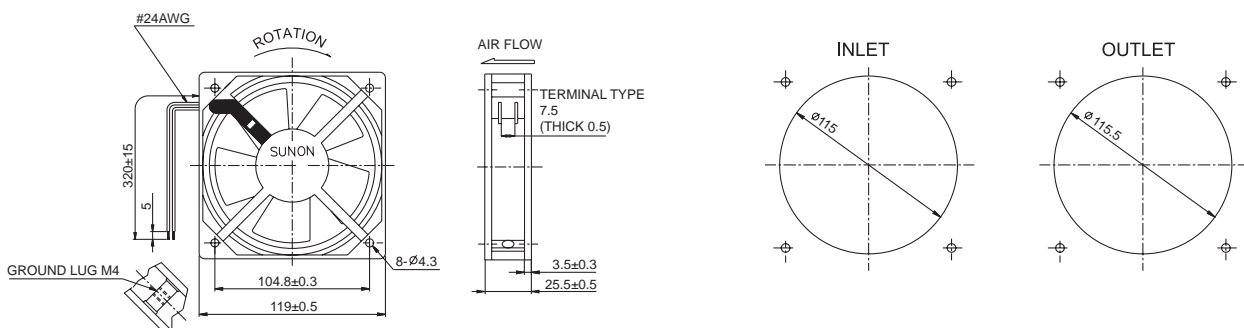


Model	P/N	Bearing	Rating Voltage (VAC)	Freq. (Hz)	Power Current (AMP)	Power Consumption (WATTS)	Speed (RPM)	Air Flow (CFM)	Static Pressure (Inch-H ₂ O)	Noise (dBA)	Weight (g)
SP101AT	1122HSL.GN	● VAP0	115	50/60	0.21/0.19	19/18	2000/2300	64/78	0.13/0.16	43/46	330
SP101AT	1122HST.GN	○ BALL	115	50/60	0.21/0.19	19/18	2000/2300	64/78	0.13/0.16	43/46	330
SP103AT	1122LSL.GN	○ Sleeve	115	50/60	0.14/0.13	14/13	1600/1800	46/53	0.11/0.12	35/38	330
SP103AT	1122LST.GN	○ Sleeve	115	50/60	0.14/0.13	14/13	1600/1800	46/53	0.11/0.12	35/38	330
SP101AT	1122HBL.GN	○	115	50/60	0.21/0.19	19/18	2150/2500	66/80	0.14/0.17	44/48	330
SP101AT	1122HBT.GN	○	115	50/60	0.21/0.19	19/18	2150/2500	66/80	0.14/0.17	44/48	330
SP103AT	1122LBL.GN	○	115	50/60	0.12/0.11	12.5/11.5	1700/1900	47/54	0.12/0.13	37/40	330
SP103AT	1122LBT.GN	○	115	50/60	0.12/0.11	12.5/11.5	1700/1900	47/54	0.12/0.13	37/40	330

Frame : Aluminum alloy



UNITS:mm



*All model could be customized on voltage or any other requirements to fit your need.

*Specifications subject to change without notice. Please Visit SUNON web site at <http://www.sunon.com> for update information.

120X120X25 mm

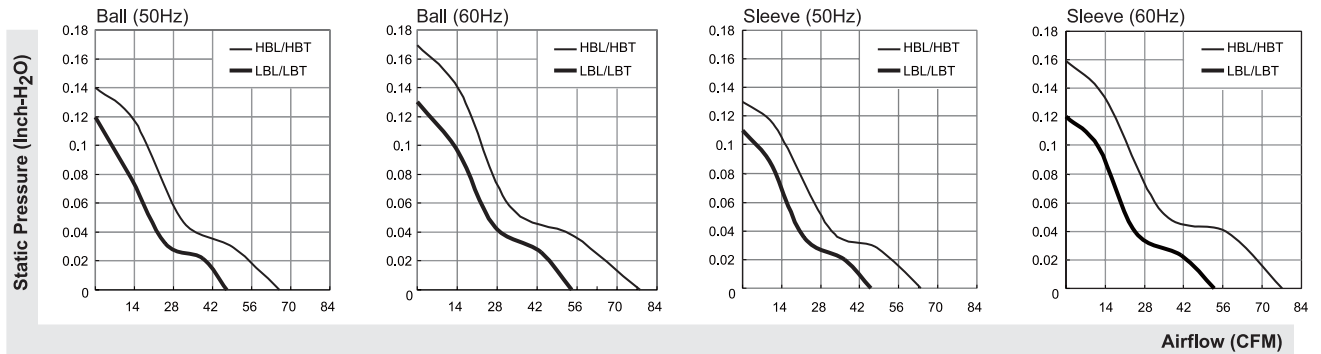
SUNON

46-80 CFM

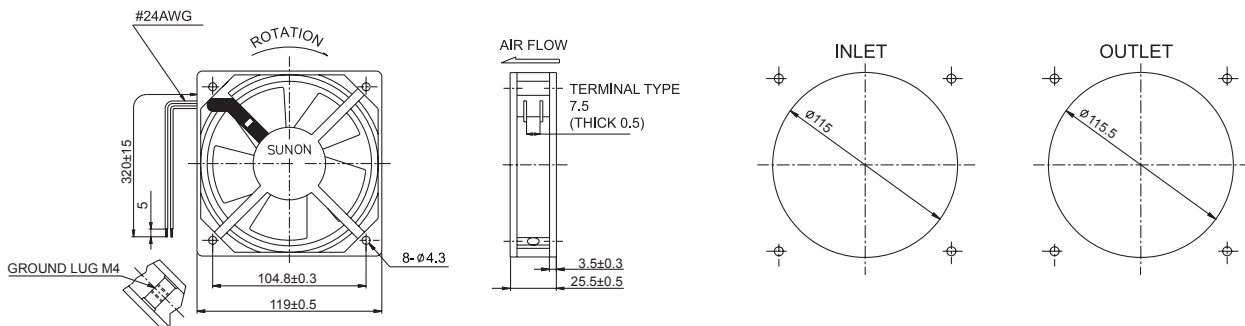


Model	P/N	Bearing	Rating Voltage (VAC)	Freq. (Hz)	Power Current (AMP)	Power Consumption (WATTS)	Speed (RPM)	Air Flow (CFM)	Static Pressure (Inch-H ₂ O)	Noise (dBA)	Weight (g)
DP201AT	2122HSL.GN	● Vapo	220-240	50/60	0.10/0.09	19/19	2000/2300	64/78	0.13/0.16	43/46	330
DP201AT	2122HST.GN	○ BALL	220-240	50/60	0.10/0.09	19/19	2000/2300	64/78	0.13/0.16	43/46	330
DP203AT	2122LSL.GN	○ Sleeve	220-240	50/60	0.07/0.07	14/13	1600/1800	46/53	0.11/0.12	35/38	330
DP203AT	2122LST.GN	○ Sleeve	220-240	50/60	0.07/0.07	14/13	1600/1800	46/53	0.11/0.12	35/38	330
DP201AT	2122HBL.GN	○ BALL	220-240	50/60	0.10/0.09	19/18	2150/2500	66/80	0.14/0.17	44/48	330
DP201AT	2122HBT.GN	○ BALL	220-240	50/60	0.10/0.09	19/18	2150/2500	66/80	0.14/0.17	44/48	330
DP203AT	2122LBL.GN	○ Sleeve	220-240	50/60	0.07/0.07	14/13	1700/1900	47/54	0.12/0.13	37/40	330
DP203AT	2122LBT.GN	○ Sleeve	220-240	50/60	0.07/0.07	14/13	1700/1900	47/54	0.12/0.13	37/40	330

Frame : Aluminum alloy



UNITS:mm



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