
Super Silence Fan
SUNON®

Super Silence Fan

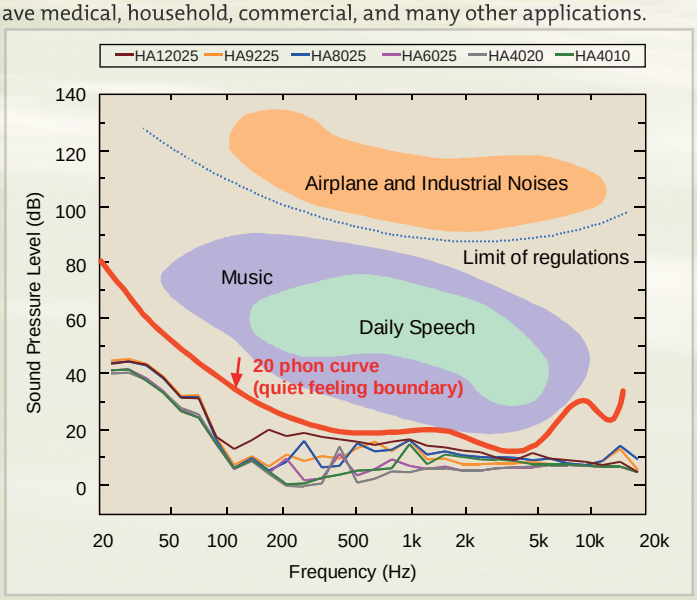


Silence

Superior Sound Quality System

Low Starting Voltage

Incorporating highly ergonomic technology with the lifestyles of the future, Sunon has developed the “Super Silence” fan series, which is characterized by our insistence on maintaining the best environmental quality and paying attention to minute detail. This series is designed and engineered to ensure the best sound quality. Using multidimensional noise analysis, the sound quality has been improved from traditional acoustic norms to psychoacoustic levels. Micro-motor technology has allowed us to create the maximum possible space between fan blades and air channels. With its low rotating speed, the fan performs silently while still maximizing cooling efficiency. “Super Silence” fan series have low voltage characteristic and are designed for a wide range of uses. These fans have medical, household, commercial, and many other applications. They also will create a soothing and ergonomic user environment and carry on the "Cool" and "Quiet" traditions typical of SUNON products.

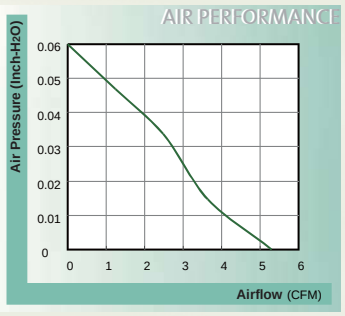


▶▶ Sunon’s “Super Silence” fan series was tested with standard digital home equipment located one meter away from the user. Based upon "ISO 532B hearing sensation" and charts on human auditory reactions that were plotted for different decibel and frequency levels, the threshold noise level for Sunon's Super Silence series' is below 20 phon, the minimum level that is discernible in daily living.



40X40X10 mm

Model:HA40101V4-0000-999	
Bearing	Vapo
Voltage	12 V
Power Current	65 mA
Power Consumption	0.8 Watts
Speed	4500 RPM
Air Flow	5.3 CFM
Static Pressure	0.06 Inch-H_2O
Noise	18.2 dB(A)
Weight	14.7g

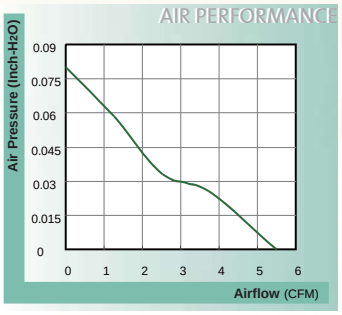


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40X40X20 mm

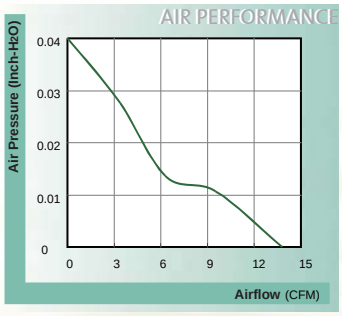
Model:HA40201V4-0000-999	
Bearing	Vapo
Voltage	12 V
Power Current	46 mA
Power Consumption	0.6 Watts
Speed	4700 RPM
Air Flow	5.5 CFM
Static Pressure	0.08 Inch-H_2O
Noise	12.8 dB(A)
Weight	30.6 g





60X60X25 mm

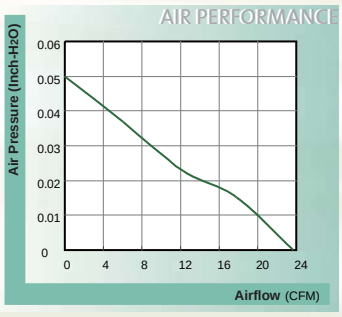
Model:HA60251V4-0000-999	
Bearing	Vapo
Voltage	12 V
Power Current	60 mA
Power Consumption	0.7 Watts
Speed	2500 RPM
Air Flow	13.8 CFM
Static Pressure	0.04 Inch-H_2O
Noise	13.8 dB(A)
Weight	41.5 g





80X80X25 mm

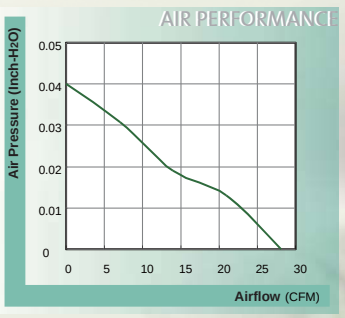
Model:HA80251V4-0000-999	
Bearing	Vapo
Voltage	12 V
Power Current	66 mA
Power Consumption	0.8 Watts
Speed	2000 RPM
Air Flow	23.7 CFM
Static Pressure	0.05 Inch-H_2O
Noise	22.1 dB(A)
Weight	62.4 g





92X92X25 mm

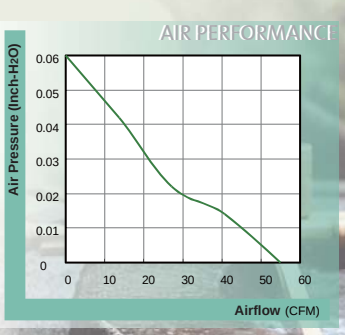
Model:HA92251V4-0000-999	
Bearing	Vapo
Voltage	12 V
Power Current	73 mA
Power Consumption	0.9 Watts
Speed	1700 RPM
Air Flow	28.1 CFM
Static Pressure	0.04 Inch-H_2O
Noise	17.7 dB(A)
Weight	69.7 g





120X120X25 mm

Model:HAC0251S4-0000-999	
Bearing	Sleeve
Voltage	12 V
Power Current	160 mA
Power Consumption	1.9 Watts
Speed	1600 RPM
Air Flow	55 CFM
Static Pressure	0.06 Inch-H_2O
Noise	29.6 dB(A)
Weight	99 g



Super Silence Fan Model No system



Function Code
1st Code ：output control function
2nd Code ：IP/Process
3rd Code ：others

Customer Code
0000 **stand for standard model**

Speed
1: High 3: Low
2: Medium 4: Ultra Low

Bearing
V: Vapo O: 1Ball
B: 2 Ball S: Sleeve

Voltage
0: 5VDC 3: 36VDC
1: 12VDC 4: 48VDC
2: 24VDC

Fan Thickness
0~9; A~Z (except O)

Frame Size
0~9; A~Z (except O)

Series Code
HA: HA Series

Code	Size(mm)	Code	Size(mm)	Code	Size(mm)	Code	Size(mm)
01~09	01~09	A0~A9	100~109	K0~K9	200~209	V0~V9	300~309
10~19	10~19	B0~B9	110~119	L0~L9	210~219	W0~W9	310~319
20~29	20~29	C0~C9	120~129	M0~M9	220~229	X0~X9	320~329
30~39	30~39	D0~D9	130~139	N0~N9	230~239	Y0~Y9	330~339
40~49	40~49	E0~E9	140~149	P0~P9	240~249	Z0~Z9	340~349
50~59	50~59	F0~F9	150~159	Q0~Q9	250~259		
60~69	60~69	G0~G9	160~169	R0~R9	260~269		
70~79	70~79	H0~H9	170~179	S0~S9	270~279		
80~89	80~89	I0~I9	180~189	T0~T9	280~289		
90~99	90~99	J0~J0	190~199	U0~U9	290~299		

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Quieter Than Anything You've Ever Heard…



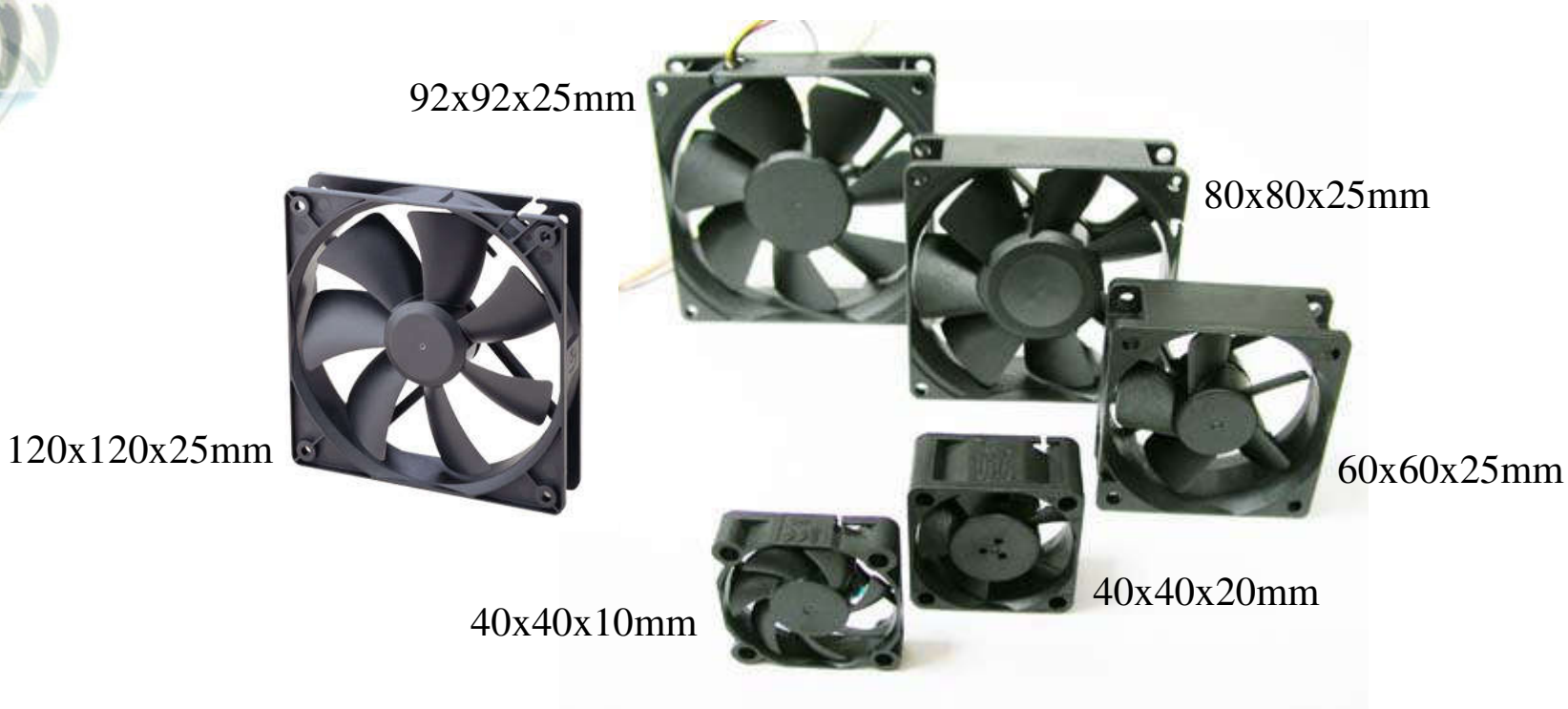
2007 Sunon
Super Silence Series
DC Brushless Fan

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Feature

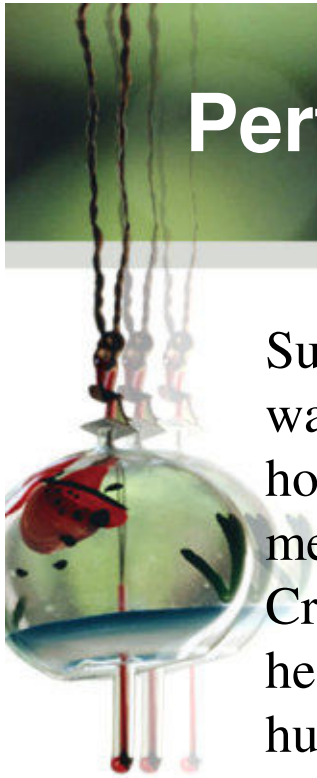
Silence , Superior Sound Quality System, Low Starting Voltage



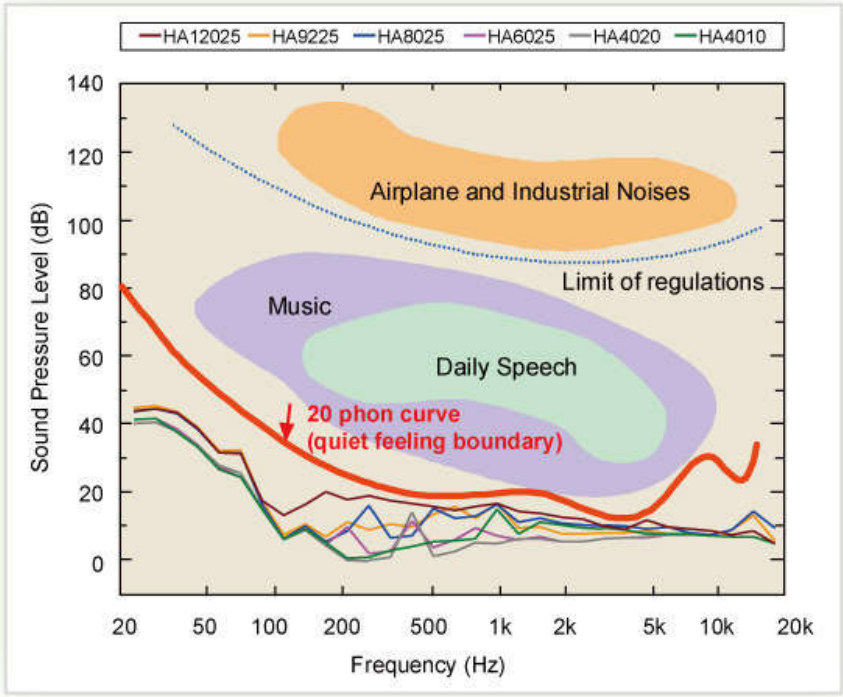


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Perfect Sound Quality



Sunon's Super Silence fan series was tested with standard digital home equipment located one meter away from the users. Created based on "ISO 532B hearing sensation" and charts on human auditory reactions that were plotted for different decibel and frequency levels, the threshold noise level for Sunon's Super Silence series' is lower than 20 phon, the minimum for daily living. It's this ultimate expression of stillness that brings out the best in technological lifestyles.



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Applications



Home appliances (DVD, STB, Audio,….)
Industry appliances, Kitchen appliances, Health care appliances…



Model Numbering System

HA	80	25	1	V	1	-	0000	-	999

Series Code

HA: HA Series

Voltage

0: 5VDC
1: 12VDC
2: 24VDC
3: 36VDC
4: 48VDC

Speed

X:超高轉
1: High
2: Medium
3: Low

Bearing

V: Vapo
B: 2 Ball
O: 1Ball
S: Sleeve

Customer Code(客委碼)

❖**0000 stand for standard model**

Function Code (功能 類別)

Fan Size
0~9; A~Z (except O)

Fan Thickness
0~9; A~Z (except O)

編碼	尺寸(mm)	編碼	尺寸(mm)	編碼	尺寸(mm)	編碼	尺寸(mm)
01~09	1~9	A0~A9	100~109	K0~K9	200~209	V0~V9	300~309
10~19	10~19	B0~B9	110~119	L0~L9	210~219	W0~W9	310~319
20~29	20~29	C0~C9	120~129	M0~M9	220~229	X0~X9	320~329
30~39	30~39	D0~D9	130~139	N0~N9	230~239	Y0~Y9	330~339
40~49	40~49	E0~E9	140~149	P0~P9	250~259	Z0~Z9	340~349
50~59	50~59	F0~F9	150~159	Q0~Q9	260~269		
60~69	60~69	G0~G9	160~169	R0~R9	270~279		
70~79	70~79	H0~H9	170~179	S0~S9	280~289		
80~89	80~89	I0~I9	180~189	T0~T9	290~299		
90~99	90~99	J0~J9	190~199	U0~U9	290~299		

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Super Silence Series

SIZE	40x40x10	40x40x20	60x60x25	80x80x25	92x92x25	120x120x25
Model	HA40101V4-0000-999	HA40201V4-0000-999	HA60251V4-0000-999	HA80251V4-0000-999	HA92251V4-0000-999	HAC0251S4-0000-999
OV	4.5V-13.8V	4.5V -13.8V	4.5V -13.8V	4.5V-13.8V	4.5V-13.8V	4.5V-13.8V
Voltage	12V					12V
Bearing	VAPO					Sleeve
Speed	4500 RPM	4700 RPM	2500 RPM	2000 RPM	1700 RPM	1600RPM
Air Flow	5.3 CFM	5.5 CFM	13.8 CFM	23.7 CFM	28.1 CFM	55 CFM
Static Pressure	0.06 inch-H2O	0.08 inch-H2O	0.04 inch-H2O	0.05 inch-H2O	0.04 inch-H2O	0.06 inch-H2O
Noise	18.2 dBA	12.8 dBA	13.8 dBA	22.1 dBA	17.7 dBA	29.6 dBA
Sample	Yes	Yes	Yes	Yes	Yes	Yes
DS	Yes	Yes	Yes	Yes	Yes	Yes
MP	Yes	Yes	Yes	Yes	Yes	Yes
Price list	Dec, 2007					

Preliminary specification for reference.

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Appearance Comparison-40x40x10mm

HA4010	KDE 4010



Difference		
Frame	Arms	Impeller
V	V	V

Appearance Comparison-40x40x20mm

HA4020	KDE 4020



Difference		
Frame	Arms	Impeller
		V

HA ϕ 21.4
KDE ϕ 22.2

Appearance Comparison-60x60x25mm

HA6025	KDE 6025



Difference		
Frame	Arms	Impeller
V	V	V

Appearance Comparison-80x80x25mm

HA8025	KDE 8025





Difference		
Frame	Arms	Impeller
V	V	V

Appearance Comparison-92x92x25mm

HA9225	KDE 9225





Difference		
Frame	Arms	Impeller
V	V	V

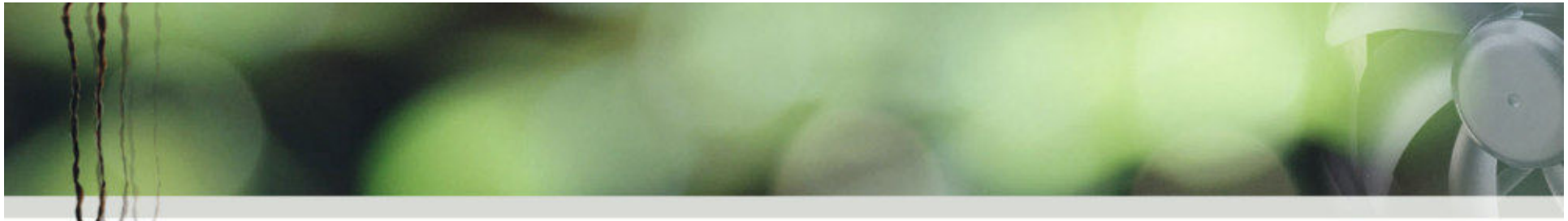
Appearance Comparison-120x120x25mm

HA12025	KDE 12025





Difference		
Frame	Arms	Impeller
V	V	V





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For more information

please contact your local Sunon sales office

or visit sunon website:

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