

# Cooling Fan & Blower for Set Top Box

\*All products are RoHS compliant.



# SUNON

## Introduction

Established : 1980

Turnover : USD\$ 278 Million (2013)

World Wide Production Capability : 5 factories in Taiwan and China  
Fans & Blowers—23M/Month  
Thermal modules - 10M /Month

## Major Products



Mighty Mini  
Fan & Blower



DC/AC  
Brushless Fan



DC/AC  
Brushless Blower



Fan Tray



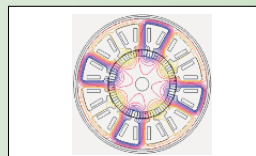
Customized  
Cooling Module



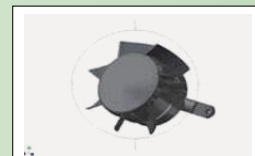
LED Thermal  
Solution

## Global Service and Engineering Support

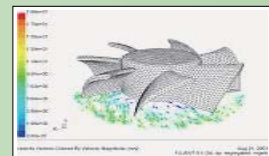
As a leader in the field of cooling solution technologies, Sunon's Research Center has accumulated 30 years of experience in product development. Backed by advanced simulation system and analysis engineering, Sunon offers its customers a wide variety of services for cooling solutions.



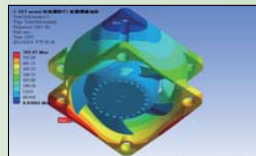
Magnetization  
Simulation analysis



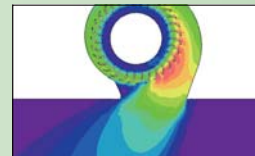
3D model



Blade design



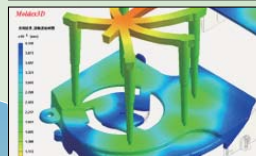
Structural  
Simulation analysis



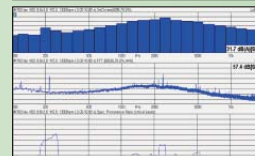
Thermal analysis (Component)



Thermal analysis (system)



Fluid dynamic analysis



Sound quality analysis



IR Thermograph



- Over 1,000 sales representatives, 12 subsidiaries and offices, over 130 distributors around the world.
- 7 research centers which provide a worldwide technological service network for quick and efficient services.
- 5 reliability testing labs.

# Cooling Fan & Blower for Set Top Box



## Cooling Fan Specifications

size (mm)	Model	Rated Voltage (V)	Power Current (mA)	Power Consumption (Watts)	Speed (RPM)	Air Flow (CFM)	Static Pressure (In-H <sub>2</sub> O)	Noise (dBA) 1M
40x40x10	HA4010	12	65	0.80	4500	5.3	0.06	18.2
40x40x20	HA4020	12	46	0.60	4700	5.5	0.08	12.8
50x50x15	HA5015	12	45	0.50	3200	7.7	0.06	17.0
60x60x15	HA6015	12	52	0.60	2500	10.8	0.04	14.5
60x60x25	HA6025	12	60	0.70	2500	13.8	0.04	13.8
80x80x25	HA8025	12	66	0.80	2000	23.7	0.05	22.1



## Cooling Blower Specifications

size (mm)	Model	Rated Voltage (V)	Power Current (mA)	Power Consumption (Watts)	Speed (RPM)	Air Flow (CFM)	Static Pressure (In-H <sub>2</sub> O)	Noise (dBA) 1M
50x50x15	MF5015	12	170	2.04	6000	5.4	0.97	42.2
50x50x15	MF5015	12	100	1.20	5000	4.5	0.67	39.8
50x50x15	MF5015	12	56	0.68	4000	3.5	0.4	33.1
50x50x15	MF5015	12	34	0.41	3000	2.6	0.18	23.4
60x60x15	MF6015	12	90	1.08	5000	5.7	0.44	40.2
60x60x15	MF6015	12	67	0.81	4400	5.1	0.33	36.0
60x60x15	MF6015	12	40	0.48	3400	3.9	0.19	28.8

\* If you need special specification. Please contact Sunon sales.

\* Specifications are subject to change without notice. Specifications in this catalog are for reference.  
More Sunon products information please visit SUNON website at [www.sunon.com](http://www.sunon.com).

**Headquarters**  
**Sunonwealth Electric Machine Industry Co., Ltd.**  
TEL : +886-7-8135888  
E-mail : sunon@email.sunon.com.tw

**Sunon Inc. (U.S.A.)**  
TEL : +1-714-255-0208  
E-mail : info@sunon.com

**Sunon SAS (Europe)**  
TEL : +33-1-46154515  
E-mail : info@sunoneurope.com

**Sunon Taipei Office (Taiwan)**  
TEL : +886-2-27992383

**Sunon Shen Zhen Office (China)**  
TEL : +86-755-26880688  
E-mail : sunon@email.sunon.com.tw

**Sunon Beijing Office (China)**  
TEL : +86-10-62669511  
E-mail : sunon@email.sunon.com.tw

**Sunon Wuhan Office (China)**  
TEL : +86-27-81388268  
E-mail : sunon@email.sunon.com.tw