

**SENSDAR**<sup>®</sup>

DESIGN&MANUFACTURE OF

**PREMIUM AIR MOVEMENT  
PRODUCTS**

EC INLINE FANS.COMPONENT FANS.AIR FILTERS

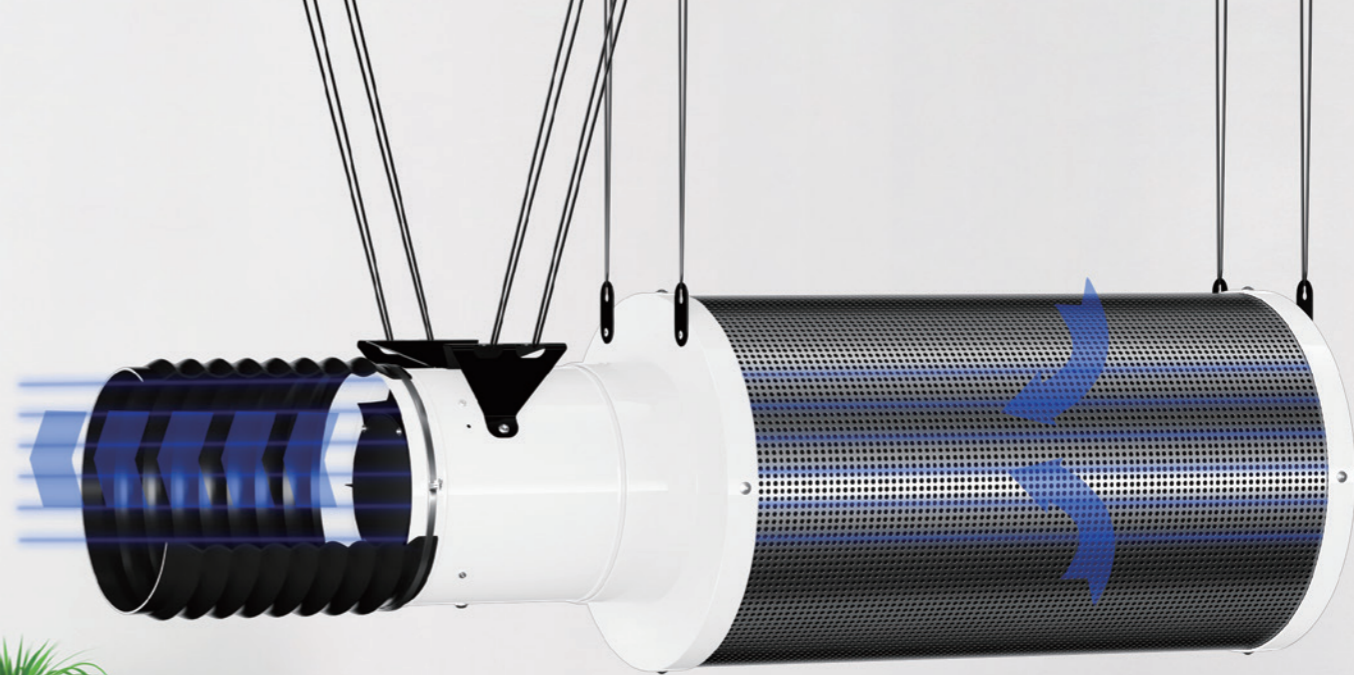
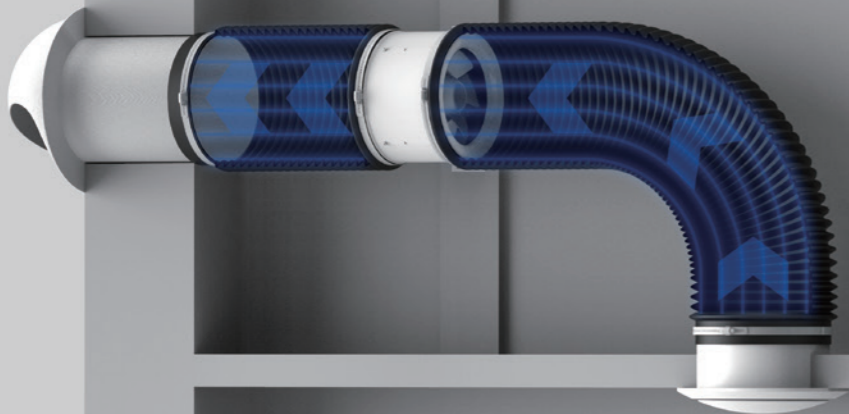
**SENSDAR**<sup>®</sup>  
Inspiring Future Ventilation System  
Since 1999

[www.sensdar.com](http://www.sensdar.com) | [info@sensdar.com](mailto:info@sensdar.com)



# POWERFUL AIR BOOSTER FOR HVAC OR FRESH AIR SYSTEM

Cutting-edge EC Motor with Variable Speed Controller



## WELL WORLDWIDE RECOGNIZED INLINE FANS FOR HYDROPONICS

Efficiently and effectively remove odor for grow tents or  
Circulate air within commercial vertical farming system

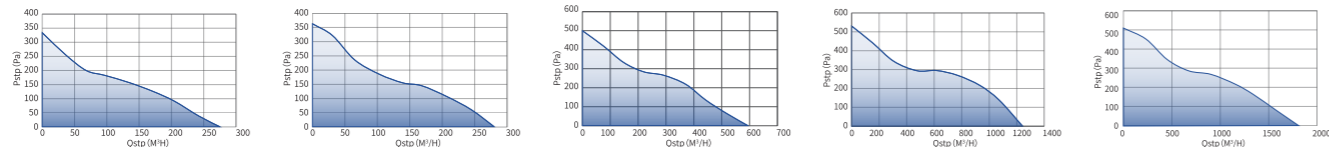


# SPECIFICATIONS

Note: The noise value is the measured value at the distance of 1 meter from the fan inlet

Model:	SE-A100	SE-A125	SE-A150	SE-A200	SE-A250
Fan Size:	4inch/100mm	5inch/125mm	6inch/150mm	8inch/200mm	10inch/250mm
Net Weight:	1.1KG	1.1KG	1.6KG	2.5KG	3.0KG
Rated Voltage:	110~120VAC 220~240VAC	110~120VAC 220~240VAC	110~120VAC 220~240VAC	110~120VAC 220~240VAC	110~120VAC 220~240VAC
Max. Power C:	18W	20W	40W	75W	150W
Frequency:	50/60Hz	50/60Hz	50/60Hz	50/60Hz	50/60Hz
Max. Speed:	5000RPM	5000RPM	5000RPM	3800RPM	3200RPM
Max. Airflow:	160CFM/275M <sup>3</sup> H	166CFM/280M <sup>3</sup> H	350CFM/594M <sup>3</sup> H	710CFM/1205M <sup>3</sup> H	1065CFM/1808M <sup>3</sup> H
Max. Static P:	34mmH <sup>2</sup> O/334Pa	37mmH <sup>2</sup> O/363Pa	51mmH <sup>2</sup> O/500Pa	53mmH <sup>2</sup> O/520Pa	52mmH <sup>2</sup> O/510Pa
Max. Noise L:	56.8dBA	54.4dBA	60dBA	61.6dBA	65dBA
IP Rating:	IPX4	IPX4	IPX4	IPX4	IPX4
Housing:	Painted Metal	Painted Metal	Painted Metal	Painted Metal	Painted Metal
Motor Type:	EC Motor	EC Motor	EC Motor	EC Motor	EC Motor

PQ Curve:



# BASIC MODEL

4" / 5" / 6" / 8" / 10"

+Offer the most compact fan size while maintaining the best performance

+High static air pressure

+Highly efficient and energy saving

+Widely used in the intake, exhaust and circulation of air

+Perfect match with filter for creating fresh air and odorless indoor growing environment

+Global safety standard

+Meet efficient standard of HVI, Energy Star and ErP



Portable Speed Controller

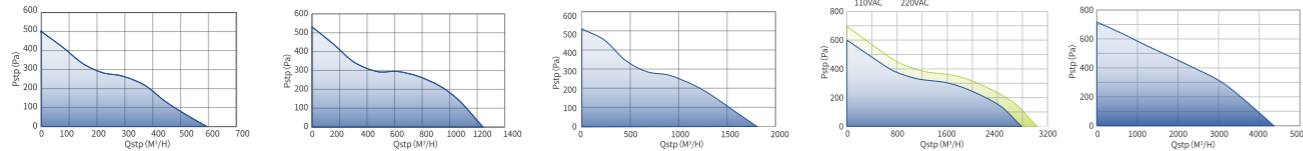


# SPECIFICATIONS

Note: The noise value is the measured value at the distance of 1 meter from the fan inlet

Model:	SE-A150Z	SE-A200Z	SE-A250Z	SE-A315Z	SE-A355Z
Fan Size:	6inch/150mm	8inch/200mm	10inch/250mm	12inch/315mm	14inch/355mm
Net Weight:	1.6KG	2.5KG	3.0KG	8.5KG	11.5KG
Rated Voltage:	110~120VAC 220~240VAC	110~120VAC 220~240VAC	110~120VAC 220~240VAC	110~120VAC 220~240VAC	220~277VAC
Max. Power C:	40W	75W	150W	260W 320W	550W
Frequency:	50/60Hz	50/60Hz	50/60Hz	50/60Hz	50/60Hz
Max. Speed:	5000RPM	3800RPM	3200RPM	2800RPM 3000RPM	3000RPM
Max. Airflow:	350CFM/594M³H	710CFM/1205M³H	1065CFM/1808M³H	1639CFM/2787M³H 1757CFM/2987M³H	2570CFM/4369M³H
Max. Static P:	51mmH²O/500Pa	53mmH²O/520Pa	52mmH²O/510Pa	61mmH²O/598Pa 69mmH²O/677Pa	73mmH²O/716Pa
Max. Noise L:	60dBA	61.6dBA	65dBA	76dBA 78dBA	80dBA
IP Rating:	IPX4	IPX4	IPX4	IP65	IP65
Housing:	Painted Metal	Painted Metal	Painted Metal	Painted Metal	Painted Metal
Motor Type:	EC Motor	EC Motor	EC Motor	EC Motor	EC Motor

PQ Curve:

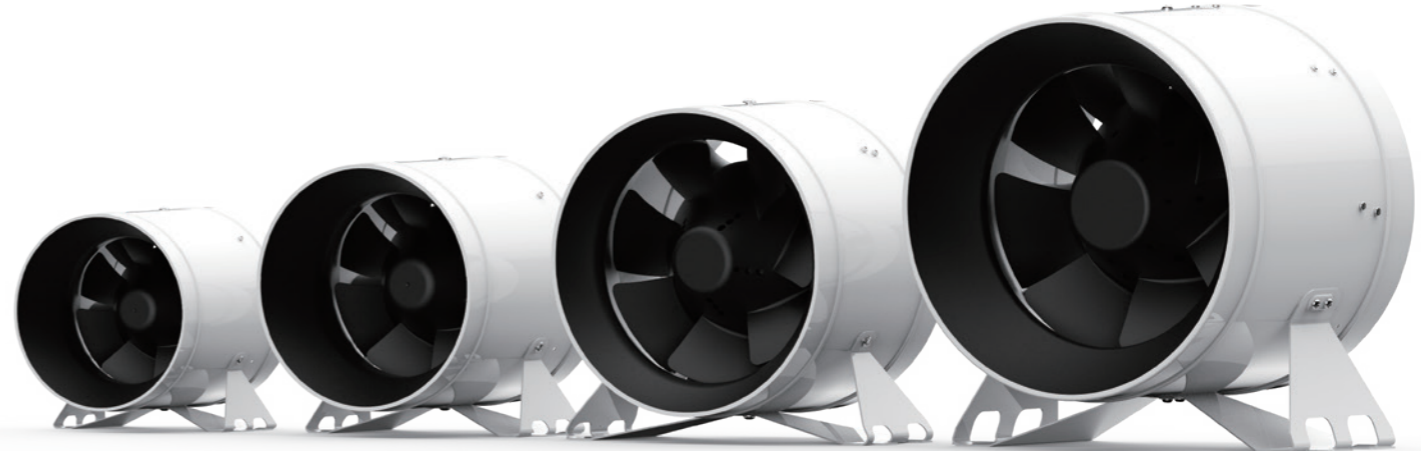


# Z MODEL

Improved Verison with Easier Duct Connection & Detachable Bracket  
Available Sizes:6"/8"/10"/12"/14"



Wall Mounted Controller

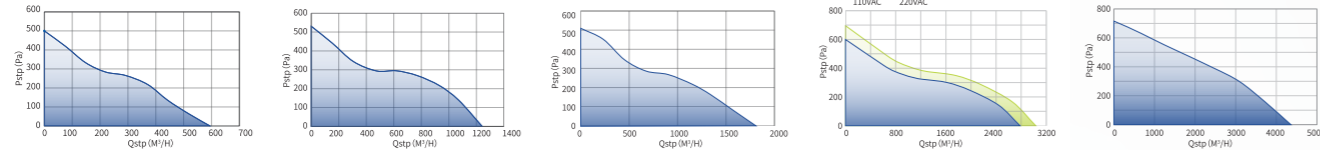


# SPECIFICATIONS

Note: The noise value is the measured value at the distance of 1 meter from the fan inlet

Model:	SE-A150J	SE-A200J	SE-A250J	SE-A315J	SE-A355J
Fan Size:	6inch/150mm	8inch/200mm	10inch/250mm	12inch/315mm	14inch/355mm
Net Weight:	5.0KG	7.5KG	13.7KG	21KG	26.3KG
Rated Voltage:	110~120VAC 220~240VAC	110~120VAC 220~240VAC	110~120VAC 220~240VAC	110~120VAC 220~240VAC	220~277VAC
Max. Power C:	40W	75W	150W	260W 320W	550W
Frequency:	50/60Hz	50/60Hz	50/60Hz	50/60Hz	50/60Hz
Max. Speed:	5000RPM	3800RPM	3200RPM	2800RPM 3000RPM	3000RPM
Max. Airflow:	350CFM/594M³H	710CFM/1205M³H	1065CFM/1808M³H	1639CFM/2787M³H 1757CFM/2987M³H	2563CFM/4357M³H
Max. Static P:	51mmH²O/500Pa	53mmH²O/520Pa	52mmH²O/510Pa	61mmH²O/598Pa 69mmH²O/677Pa	73mmH²O/716Pa
Max. Noise L:	50dBA	51dBA	55dBA	66dBA 68dBA	70dBA
IP Rating:	IPX4	IPX4	IPX4	IP65	IP65
Housing:	Painted Metal	Painted Metal	Painted Metal	Painted Metal	Painted Metal
Motor Type:	EC Motor	EC Motor	EC Motor	EC Motor	EC Motor

PQ Curve:



# SILENCED MODEL

## EC SILENCED FANS



### Rotatable Spring Anti-Vibration Design

SENSDAR silenced fans use durable piano wiresprings to attach EC fan motor to the housing vibration-free and stable operation

### Metal Painted Leak-Free Acoustic Housing

The acoustic housing of SENSDAR silenced fan is designed longer than other products in the market to obtain more silent fan operation even it is at full speed

### Hanging Brackets

There are 4 hanging brackets in each of the silenced fans, ensuring more safety and no swinging after installation

### High Density Acoustic Foam

SENSDAR silenced fan uses eco and fire-proof acoustic foam. The high density of the foam makes the fan to work silently without restricting airflow. It is quieter and powerful extractor fan for your indoor hydroponic environment

## SPECIFICATIONS

Model:	SF0624	SF0824	SF1024
Size:	Φ150mm*600mm	Φ200mm*600mm	Φ250mm*600mm
Weight:	9.5KG	14KG	21KG
Carbon Bed:	45mm	45mm	45mm
Carbon Height:	552mm	552mm	552mm
Flange Diameter:	153mm	204mm	255mm
Flange Height:	60mm	60mm	60mm
Total Diameter:	224mm	294mm	344mm
Total Height:	615mm	615mm	615mm

Note: Full Sizes Are Available For Fitting All Tents Or Greenhouse

## FEATURES

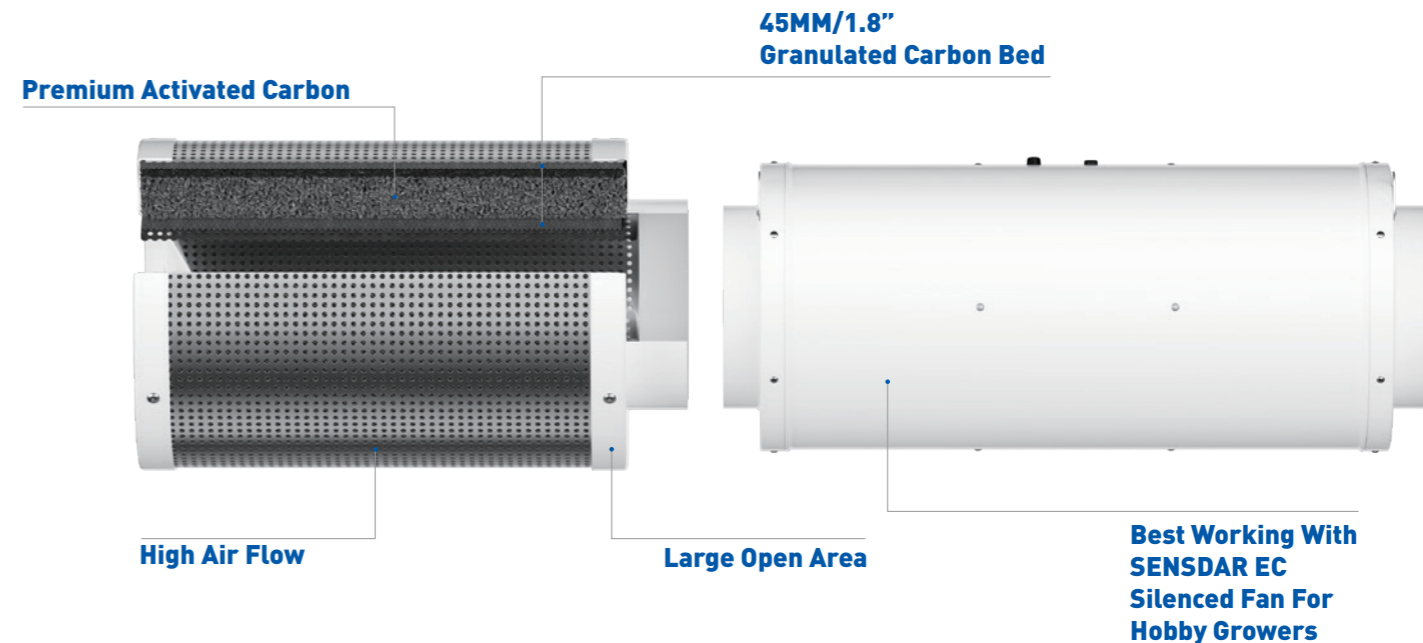
- 50% perforated open area
- 45mm bed depth of rc45 virgin activated granular carbon
- 2 pieces of velcro pre-filters included
- Machine packed to fill more carbon
- Built in flange



**45MM | 1.8"  
GRANULATED CARBON BED**

## ACTIVATED CARBON AIR FILTER

Remove harmful pollutants and chemicals from your indoor air with SENSDAR activated carbon filters.



## SPECIFICATIONS

SD4010(X)1(Y), where (X) may be H, M or L and it means three speed levels;  
(Y) may be digit S or B and it means sleeve bearing or ball bearing.

Model	Size	Voltage	Speed Level	Speed	Air Flow	Model	Size	Voltage	Speed Level	Speed	Air Flow
SB5015(X)1(Y)	Φ50*15	12	H	7000RPM	6.0CFM	SD8025(X)2(Y)	80*80*25	24	H	4000RPM	56.0CFM
			M	5500RPM	4.7CFM				M	3000RPM	41.5CFM
			L	4000RPM	3.4CFM				L	2000RPM	27.7CFM
SB9733(X)1(Y)	Φ97*33	12	H	4000RPM	34.0CFM	SD9225(X)1(Y)	92*92*25	12	H	3800RPM	74.0CFM
			H	3500RPM	29.8CFM				M	3000RPM	59.6CFM
			L	3000RPM	25.2CFM				L	2000RPM	39.2CFM
SD4010(X)1(Y)	40*40*10	12	H	7000RPM	7.7CFM	SD9225(X)2(Y)	92*92*25	24	H	3800RPM	74.0CFM
			M	6000RPM	6.6CFM				M	3000RPM	59.6CFM
			L	5000RPM	5.5CFM				L	2000RPM	39.2CFM
SD4020(X)1(Y)	40*40*20	12	H	8000RPM	8.8CFM	SD1225(X)1(Y)	120*120*25	12	H	3800RPM	135.5CFM
			M	6500RPM	7.0CFM				M	3000RPM	108.8CFM
			L	5000RPM	5.5CFM				L	2200RPM	79.0CFM
SD5010(X)1(Y)	50*50*10	12	H	5500RPM	13.8CFM	SD1225(X)2(Y)	120*120*25	24	H	3800RPM	135.5CFM
			M	4500RPM	11.2CFM				M	3000RPM	108.8CFM
			L	3500RPM	8.7CFM				L	2200RPM	79.0CFM
SD5015(X)1(Y)	50*50*15	12	H	5500RPM	15.5CFM	SD1238(X)1(Y)	120*120*38	12	H	3800RPM	160.0CFM
			M	5000RPM	13.0CFM				M	3000RPM	120.6CFM
			L	4500RPM	11.5CFM				L	2000RPM	80.5CFM
SD6010(X)1(Y)	60*60*10	12	H	4000RPM	18.1CFM	SD1238(X)2(Y)	120*120*38	24	H	3800RPM	160.0CFM
			M	3500RPM	14.8CFM				M	3000RPM	120.6CFM
			L	3000RPM	12.5CFM				L	2000RPM	80.5CFM
SD6020(X)1(Y)	60*60*20	12	H	5000RPM	24.4CFM	SD1751(X)2B	Φ172*51	24	H	5000RPM	340.8CFM
			M	4000RPM	20.1CFM				M	4500RPM	306.8CFM
			L	3000RPM	15.1CFM				L	4000RPM	272.8CFM
SD6025(X)1(Y)	60*60*25	12	H	5000RPM	25.4CFM	SD2060(X)2B	200*200*60	24	H	3000RPM	640.0CFM
			M	4000RPM	20.3CFM				M	2500RPM	532.0CFM
			L	3000RPM	15.1CFM				L	2000RPM	490.0CFM
SD6025(X)2(Y)	60*60*25	24	H	5000RPM	25.4CFM	SD2589(X)2B	Φ254*89	24	H	2600RPM	847.2CFM
			M	4000RPM	20.3CFM				M	2000RPM	652.0CFM
			L	3000RPM	15.1CFM				L	1600RPM	521.0CFM
SD8025(X)1(Y)	80*80*25	12	H	4000RPM	56.0CFM	SD2589(X)4B	Φ254*89	48	H	3000RPM	977.6CFM
			M	3000RPM	41.5CFM				M	2800RPM	912.4CFM
			L	2000RPM	27.7CFM				L	2600RPM	847.2CFM

## COMPONENT COOLING FANS

20 years' manufacturing of all sizes of DC compact fans and EC axial fans



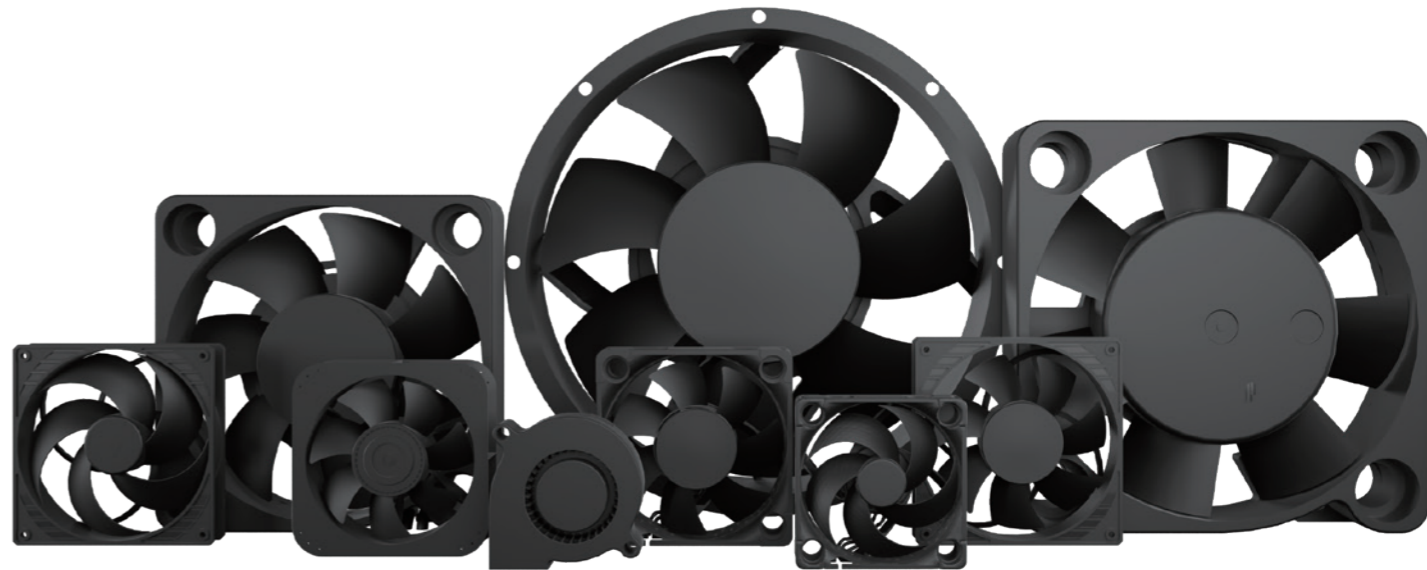
NO: DL-202206070425

Standard: EN 60335-1 : EN 62233 : EN 60335-2-80



NO: UL-US-2018806-0 UL-CA-2015106-0

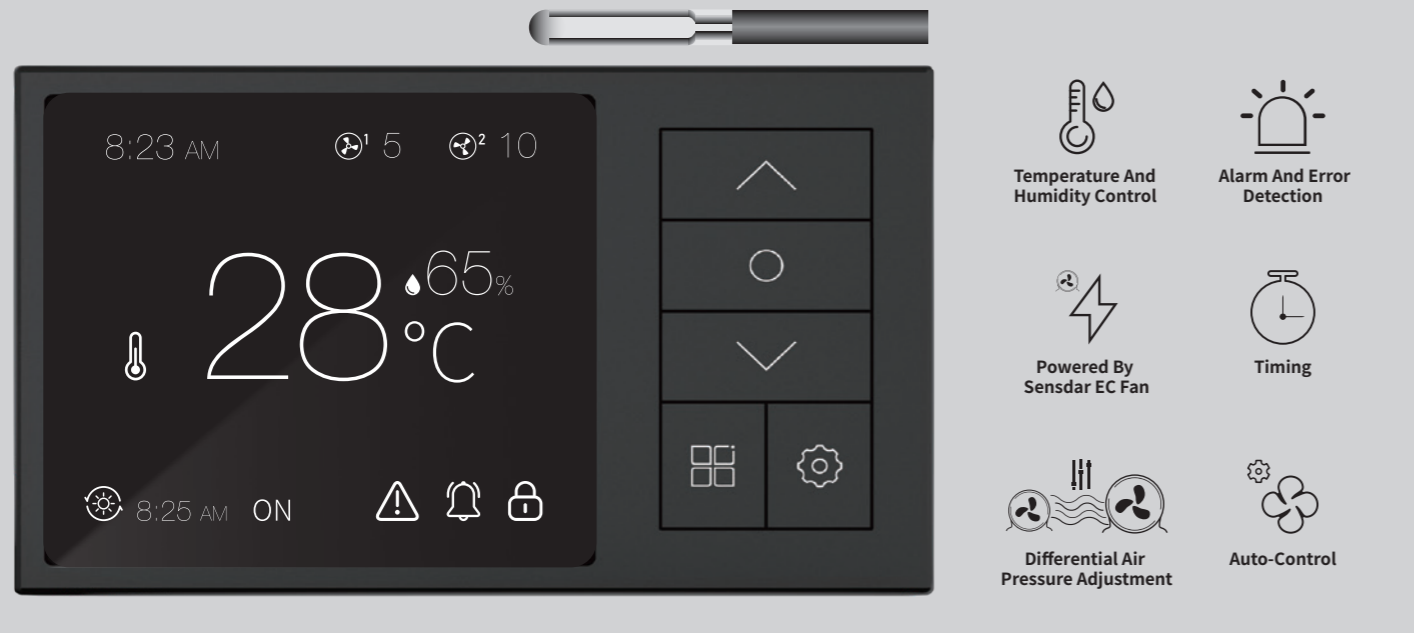
Standard: UL 507, 10th Ed ; CSA C22.2 NO. 113-18-11th Ed



# TEMPERATURE & HUMIDITY CONTROLLER

## SMART EC FAN CONTROLLER PRO

Our Smart EC fan controller with temperature and humidity sensor puts you in charge of your comfort and energy efficiency. Provide the perfect balance of temperature, humidity, and air flow. Experience the Ultimate in Smart Home living and intelligent indoor growing.



## SMART EC FAN CONTROLLER PRO

Effortlessly control two fans and create negative pressure with our smart controller.

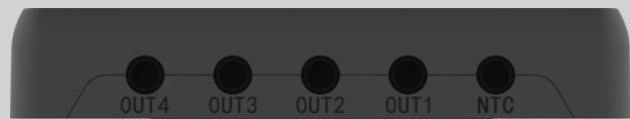
### SENSDAR EC Inline Fans



### Probe Of Temperature And Humidity







## TEMPERATURE CONTROLLER

6 speed controller with thermal probe for monitoring environmental temperature, accurate ventilation and energy saving, supporting control of up to 4 EC fans simultaneously and mode selection of manual, auto and alert.



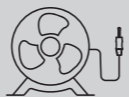
LCD Screen



Temperature Alarm



Auto Mode  
Manual Mode



Powered by  
SENSDAR EC fan



## WIRELESS REMOTE WITH RECEIVER

Allows you to control your EC fan wirelessly. 6 pre-set speed levels (15-100% output). 50ft / 15m signal range, which works through walls, floors and ceilings. Ideal for fans installed in hard to reach places.

## DIY Speed Control Wires Accessory



Extension Control cable



DIY Speed Control Cable



3 Pins Controller Adaptor

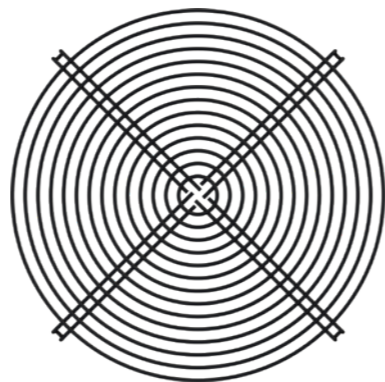


RJ45 Controller Adaptor

# FAN GRILLE

The FG series fan grille are designed for inline duct fan from 6 to 12 inch, which is constructed of C1008 Steel with Electroplating finish.

Product Model:	FG-150A	FG-200A	FG-250A	FG-315A
Dimension:	Φ156*21mm	Φ206*26mm	Φ256*28mm	Φ321*33.5mm
Material:	C1008 Steel	C1008 Steel	C1008 Steel	C1008 Steel
Finish:	Electroplating	Electroplating	Electroplating	Electroplating
Ring Diameter:	Φ156mm	Φ206mm	Φ256mm	Φ321mm
Rib Diameter:	Φ150mm	Φ200mm	Φ250mm	Φ315mm
Pull Force:	0.125kg	0.217kg	0.3kg	0.471kg



# WATER&DUST PROOF EC INLINE FANS

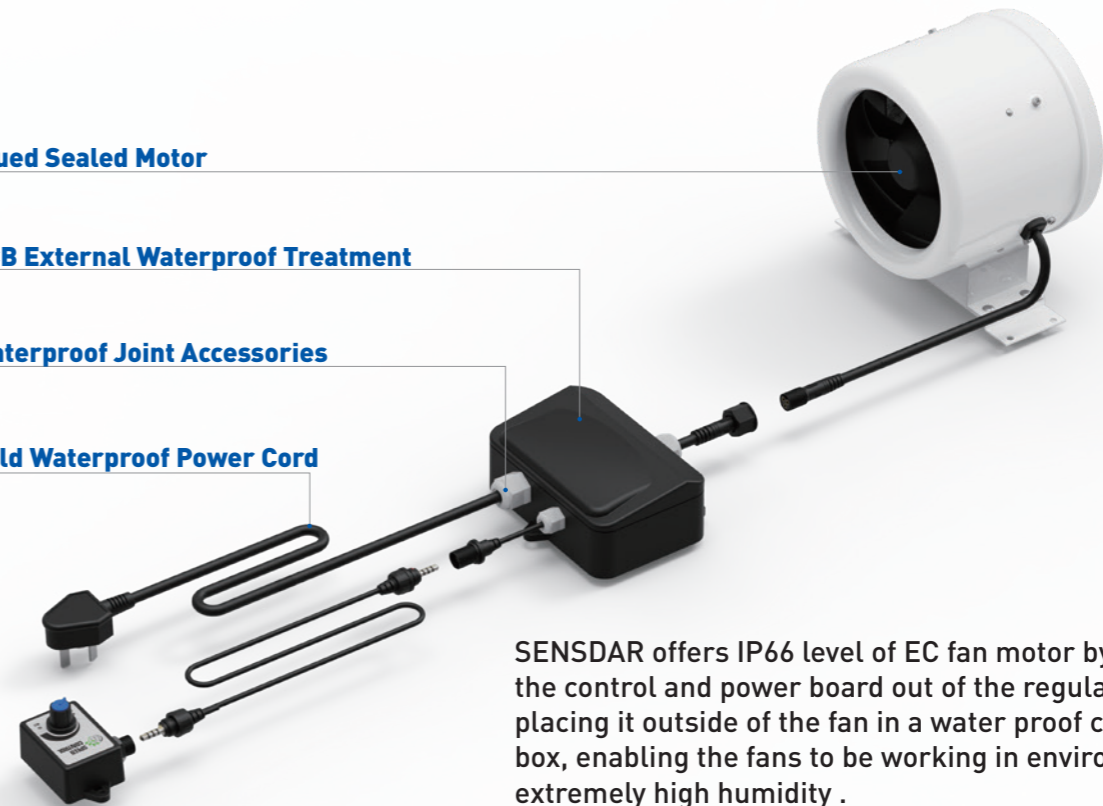
For applications that require moisture and dust protection, SENSDAR offers inline fan with IP66 rating in multiple sizes

**Glued Sealed Motor**

**PCB External Waterproof Treatment**

**Waterproof Joint Accessories**

**Bold Waterproof Power Cord**



SENSDAR offers IP66 level of EC fan motor by removing the control and power board out of the regular fans and placing it outside of the fan in a water proof connection box, enabling the fans to be working in environment with extremely high humidity .