

SENSDAR[®]

DESIGN&MANUFACTURE OF

PREMIUM AIR MOVEMENT PRODUCTS

EC INLINE FANS.COMPONENT FANS.AIR FILTERS



SENSDAR[®]
Inspiring Future Ventilation System
Since 1999

www.sensdar.com | info@sensdar.com



POWERFUL & SMART EC FANS



ULTRA QUIET VENTILATOR

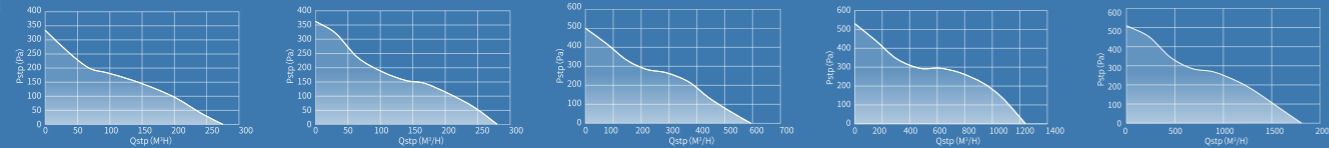


SPECIFICATIONS

Note: The noise value is the measured value at the distance of 3 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/275M³H	166CFM/280M³H	350CFM/594M³H	710CFM/1205M³H	1065CFM/1808M³H
Max. Static P:	34mmH²O/334Pa	37mmH²O/363Pa	51mmH²O/500Pa	53mmH²O/520Pa	52mmH²O/510Pa
Max. Noise L:	51.6dBA	43.8dBA	50.2dBA	47.3dBA	53.5dBA
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

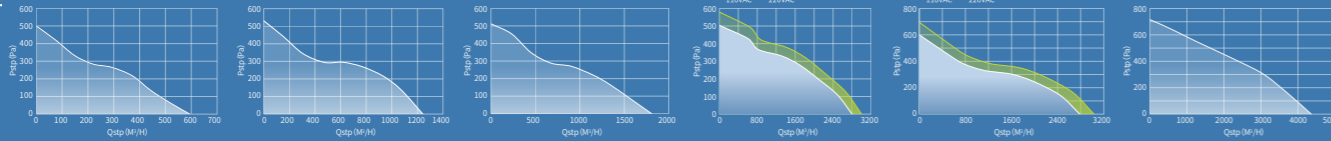


SPECIFICATIONS

Note: The noise value is the measured value at the distance of 3 meter from the fan inlet

Model:	SE-A150Z	SE-A200Z	SE-A250Z	SE-A300Z	SE-A315Z	SE-A355Z
Fan Size:	6inch/150mm	8inch/200mm	10inch/250mm	12inch/300mm	12inch/315mm	14inch/355mm
Net Weight:	1.6KG	2.5KG	3.0KG	10.0KG	8.5KG	11.5KG
Rated Voltage:	110~120VAC 220~240VAC	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	260W 320W	550W
Frequency:	50/60Hz	50/60Hz	50/60Hz	50/60Hz	50/60Hz	50/60Hz
Max. Speed:	5000RPM	3800RPM	3200RPM	2800RPM 3000RPM	2800RPM 3000RPM	3000RPM
Max. Airflow:	350CFM/594M ³ H	710CFM/1205M ³ H	1065CFM/1808M ³ H	1628CFM/2768M ³ H 1744CFM/2966M ³ H	1639CFM/2787M ³ H 1757CFM/2987M ³ H	2570CFM/4357M ³ H
Max. Static P:	51mmH ² O/500Pa	53mmH ² O/520Pa	52mmH ² O/510Pa	52mmH ² O/512Pa 60mmH ² O/588Pa	61mmH ² O/598Pa 69mmH ² O/677Pa	73mmH ² O/716Pa
Max. Noise L:	50.3dBA	48.0dBA	55.6dBA	60.9dBA 61.5dBA	62.2dBA 62.6dBA	64.1dBA
IP Rating:	IPX4	IPX4	IPX4	IP65	IP65	IP65
Housing:	Painted Metal	Painted Metal	Painted Metal	Painted Metal	Painted Metal	Painted Metal
Motor Type:	EC Motor	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"

+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



Wall Mounted Controller

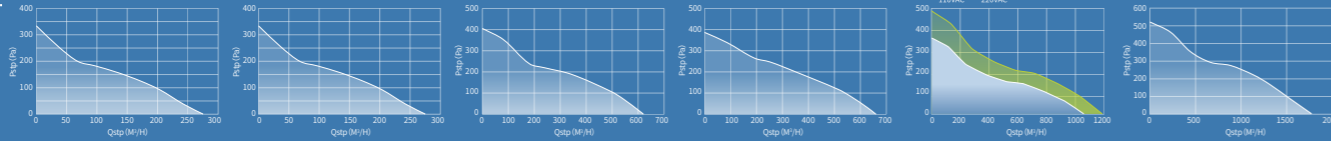


SPECIFICATIONS

Note: The noise value is the measured value at the distance of 3 meter from the fan inlet

Model:	SE-A100-H02	SE-A125-H02	SE-A150-H02	SE-A160-H02	SE-A200-H02	SE-A250-H02
Fan Size:	4inch/100mm	5inch/125mm	6inch/150mm	6.3inch/160mm	8inch/200mm	10inch/250mm
Net Weight:	0.7KG	0.9KG	1.9KG	1.9KG	2.5KG	3.4KG
Rated Voltage:	110~120VAC 220~240VAC	110~120VAC 220~240VAC	110~120VAC 220~240VAC	110~120VAC 220~240VAC	110~120VAC 220~240VAC	110~120VAC 220~240VAC
Max. Power C:	18W	18W	45W	45W	50W 85W	150W
Frequency:	50/60Hz	50/60Hz	50/60Hz	50/60Hz	50/60Hz	50/60Hz
Max. Speed:	5000RPM	5000RPM	3500RPM	3500RPM	2600RPM 3000RPM	3200RPM
Max. Airflow:	160CFM/275M ³ H	160CFM/275M ³ H	365CFM/621M ³ H	388CFM/660M ³ H	614CFM/1044M ³ H 696CFM/1182M ³ H	1065CFM/1808M ³ H
Max. Static P:	34mmH ² O/334Pa	34mmH ² O/334Pa	41mmH ² O/406Pa	39mmH ² O/387Pa	38mmH ² O/370Pa 50mmH ² O/486Pa	52mmH ² O/510Pa
Max. Noise L:	51.6dBA	51.6dBA	54.9dBA	53.8dBA	46.3dBA 47.8dBA	55.6dBA
IP Rating:	IP68	IP68	IP68	IP68	IP68	IP68
Housing:	Plastic	Plastic	Plastic	Plastic	Plastic	Plastic
Motor Type:	EC Motor	EC Motor	EC Motor	EC Motor	EC Motor	EC Motor

PQ Curve:



LITE MODEL

4"/5"/6"/6.3"/8"/10"

- +Lightweight plastic housing for easier installation
- +Fully sealed motor PCB with IP68 protection
- +Ideal for high-humidity environments such as grow tents, bathrooms, and coastal areas
- +Energy efficient with reliable air performance
- +Compatible with various control signals for centralized system integration
- +A cost-effective solution for compact ventilation needs



Portable Speed Controller

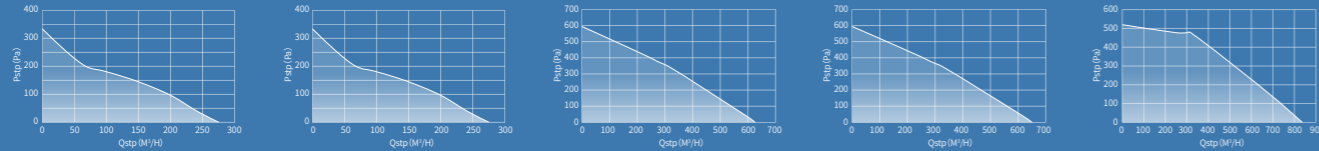


SPECIFICATIONS

Note: The noise value is the measured value at the distance of 3 meter from the fan inlet

Model:	SE-A100-E01	SE-A125-E01	SE-A150-E01	SE-A160-E01	SE-A200-E01
Fan Size:	4inch/100mm	5inch/125mm	6inch/150mm	6.3inch/160mm	8inch/200mm
Net Weight:	2.4KG	2.5KG	4.0KG	4.0KG	4.5KG
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	18W	70W	70W	120W
Frequency:	50/60Hz	50/60Hz	50/60Hz	50/60Hz	50/60Hz
Max. Speed:	5000RPM	5000RPM	1350RPM	1350RPM	1550RPM
Max. Airflow:	160CFM/275M ³ H	160CFM/275M ³ H	368CFM/626M ³ H	386CFM/656M ³ H	492CFM/836M ³ H
Max. Static P:	34mmH ² O/334Pa	34mmH ² O/334Pa	61mmH ² O/594Pa	61mmH ² O/594Pa	53mmH ² O/520Pa
Max. Noise L:	40.0dBA	35.6dBA	39.8dBA	38.9dBA	39.5dBA
IP Rating:	IP68	IP68	IPX4	IPX4	IPX4
Housing:	EPP	EPP	EPP	EPP	EPP
Motor Type:	EC Motor	EC Motor	EC Motor	EC Motor	EC Motor

PQ Curve:



EPP SILENCED MODEL

4"/5"/6"/6.3"/8"

- +Square-shaped design supports both hanging and horizontal installation
- +Lightweight EPP outer housing simplifies installation in various setups
- +Equipped with high-efficiency IP68-rated fan inside
- +EPP material effectively blocks sound transmission for quieter operation
- +Compact, silent solution for enclosed spaces
- +Ideal for applications requiring low noise and easy mounting



Portable Speed Controller

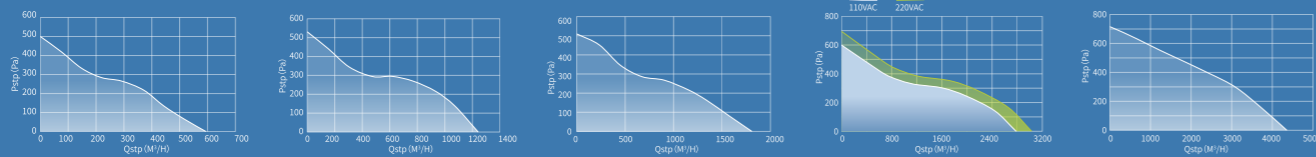


SPECIFICATIONS

Note: The noise value is the measured value at the distance of 3 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/594M ³ H	710CFM/1205M ³ H	1065CFM/1808M ³ H	1639CFM/2787M ³ H 1757CFM/2987M ³ H	2563CFM/4357M ³ H
Max. Static P:	51mmH ² O/500Pa	53mmH ² O/520Pa	52mmH ² O/510Pa	61mmH ² O/598Pa 69mmH ² O/677Pa	73mmH ² O/716Pa
Max. Noise L:	42.9dBA	37.7dBA	43.5dBA	51.3dBA 52.5dBA	58.2dBA
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

6"/8"/10"/12"/14"



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

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.



Temperature And Humidity Control



Alarm And Error Detection



Powered By Sensdar EC Fan



Timing



Differential Air Pressure Adjustment



Auto-Control

SMART EC FAN CONTROLLER PRO

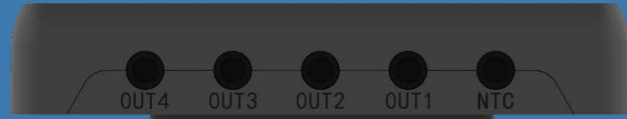
Effortlessly control two fans and create negative pressure with our smart controller.

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 SENSAR 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

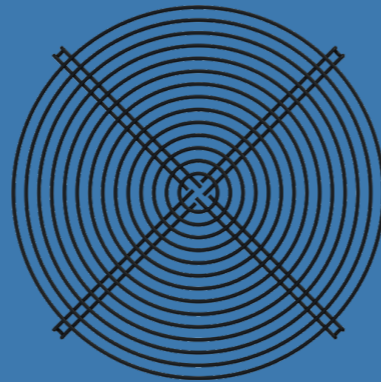


RJ45 Controller Adaptor

FAN GRILLE

The FG series fan grille are designed for inline duct fan from 6 to 14 inch, which is constructed of C1008 Steel with Electroplating finish.

Product Model:	FG-150A	FG-200A	FG-250A	FG-315A	FG-355A
Dimension:	Φ156*21mm	Φ206*26mm	Φ256*28mm	Φ321*33.5mm	Φ361*35mm
Material:	C1008 Steel	C1008 Steel	C1008 Steel	C1008 Steel	C1008 Steel
Finish:	Electroplating	Electroplating	Electroplating	Electroplating	Electroplating
Ring Diameter:	Φ156mm	Φ206mm	Φ256mm	Φ321mm	Φ361mm
Rib Diameter:	Φ150mm	Φ200mm	Φ250mm	Φ315mm	Φ355mm
Pull Force:	0.125kg	0.217kg	0.3kg	0.471kg	0.579kg



WATER&DUST PROOF EC INLINE FANS

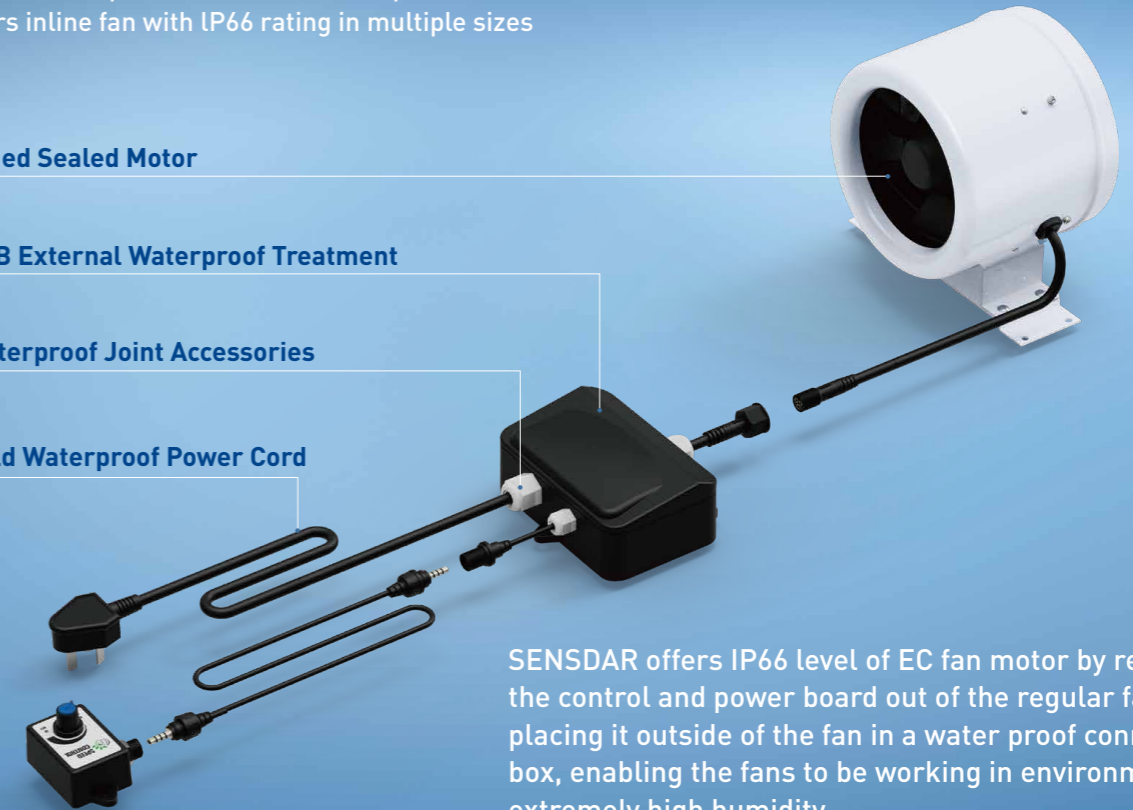
For applications that require moisture and dust protection, SENS DAR offers inline fan with IP66 rating in multiple sizes

Glued Sealed Motor

PCB External Waterproof Treatment

Waterproof Joint Accessories

Bold Waterproof Power Cord



SENS DAR 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.