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Sterilization & Disinfection | Whole-House Fresh Air
Multi-Layer Filtration | Intelligent Control | Quiet Operation



ENERGY RECOVERY VENTILATOR

Stellar Series



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THENOW



Sterilization & Disinfection | Whole-House Fresh Air
Multi-Layer Filtration | Intelligent Control | Quiet Operation



STELLAR SERIES

Ideal for a variety of living spaces

Covers air flow from 250 m³/h to 500 m³/h

Triple Sterilization & Disinfection System



- Stage 1– DC high-voltage electrostatic field for sterilization and disinfection;
- Stage 2 – Ozone generated by high-voltage static electricity for continued disinfection;
- Stage 3 – Ozone catalytically decomposed by CF filter to produce hydroxyl radicals with high oxidizing power for further sterilization.

Whole-Home Pure Air. For Every Breath, Every Moment.

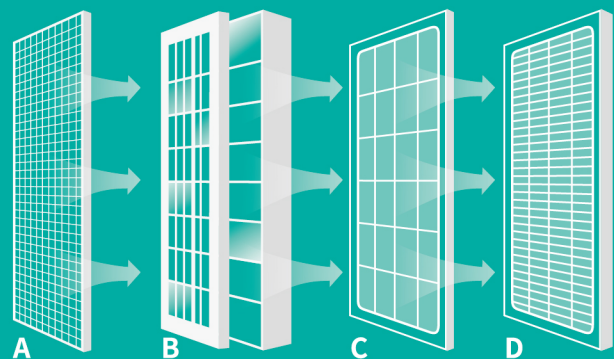
Upgraded Filter: More Precise, More Efficient.



PURE ESP SYSTEM

(PATENT NO.: 201210037660.8)

Pure ESP retains the advantages of traditional ESP (electrostatic precipitation) by integrating electrostatic dust collection with catalytic coupling technology. It removes solid particulates and actively eliminates pathogens through electrostatic precipitation. Ozone generated by high-voltage static electricity contributes to disinfection and is then rapidly decomposed on the surface of the CF catalytic module, producing hydroxyl radicals that further enhance sterilization. At the same time, it promotes the efficient catalytic decomposition of VOCs such as formaldehyde and toluene at room temperature. This ensures zero net ozone generation throughout the process — delivering truly clean electrostatic filtration with Pure ESP.



FOUR-LAYER HIGH EFFICIENCY FILTRATION

A. PRE FILTER:

REMOVE THE SUSPENDED BIG PARTICLES LIKE: DUST, SOFT FLOCKS ETC.

B. PURE ESP :

FILTRATION OF PARTICULATE MATTER, ONLY WASH AND NO NEED TO CHANGE

C. CF CATALYTIC PLATE:

CATALYTIC DECOMPOSITION OF OZONE GENERATED BY HIGH-VOLTAGE STATIC ELECTRICITY AND OTHER VOCs SUCH AS FORMALDEHYDE ETC. (O₃+VOCs =H₂O+CO₂),NO NEED TO CHANGE

D. H13 HEPA FILTER:

REMOVING PM2.5 AND OTHER SMALL PARTICLES, SELF-PRODUCED WITH STABLE QUALITY AND LOW MAINTENANCE COST

PM2.5

SINGLE-PASS PURIFICATION EFFICIENCY

≥99%



REMOVAL RATE OF BACTERIA

≥99.5%

O₃

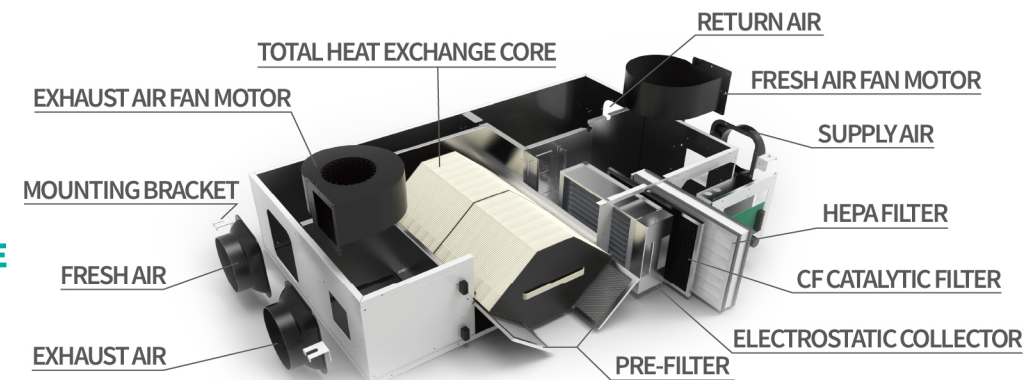
OPERATING ENVIRONMENT

ZERO OZONE INCREASE



HIGH EFFICIENCY

H13



A Fully Evolved Airflow System for Efficient Whole-Home Circulation

- A.Larger airflow in a more compact design;
- B.Brand new DC brushless motor for more powerful performance;
- C.New pressurized air duct connects with piping to create a more efficient airflow path — delivering significantly enhanced performance.



High-Precision Sensors for Accurate Intelligent Control

- A.Multi-function LCD touchscreen with ultra-narrow bezel for a distinctive visual experience;
- B.Equipped with a high-precision particle sensor that provides real-time feedback on indoor air quality. In auto mode, it actively adjusts airflow for an optimal experience;
- C.Equipped with RS485 communication interface and WiFi module for interconnection with other control terminals.



Smart Control via APP and Web

- A.Remote monitoring enables easy Internet-based smart control of the unit;
- B.Check your home's air quality anytime via mobile phone.



Graphene Total Heat Exchange Core

- A.High-strength hexagonal ABS frame with physical sealing for structural integrity and airtightness;
- B.Rectangular flow channels with minimal supports for low resistance; optimized spacing maximizes heat transfer area;
- C.Graphene nano-permeable membrane: High thermal conductivity for sensible heat recovery; hydrophilicity and high moisture permeability for latent heat recovery;
- D.Efficient recovery of both sensible and latent heat — industry-leading enthalpy efficiency for significant energy savings;
- E.10-15% higher enthalpy efficiency than traditional paper cores under same dimensions.



Technical data

Model	Power Supply	Rated Power(W)			Air Flow(m ³ /h)			Enthalpy Efficiency(%)		Outlet Total Pressure(Pa)			Noise dB(A)			Weight (kg)	Size (LxWxT mm)
		H	M	L	H	M	L	Heating	Cooling	H	M	L	H	M	L		
TSX250-AF21	220V/50Hz	107	56	36	250	175	125	82%	66%	110	100	90	42	37	35	48	1328*685*255mm
TSX350-AF21	220V/50Hz	160	91	55	350	250	175	79%	59%	115	105	95	37	32	28	48	1322*685*256 mm
TSX500-AF21	220V/50Hz	242	115	64	500	350	250	68%	55%	115	105	95	43	35	30	70	1380*993*264mm

*The above datas are all from testing agencies, and our company provides design technical parameters. The structural images displayed are functional diagrams and are not necessarily the exact structures, the final data subject to actual products.