

# Mechanical Ventilation Heat/Energy Recovery



Modern Ventilation Solutions for Modern Buildings



2



## Healthy living Green Space

ASTBERG companion brings you a pure natural and quiet exclusive space.

Enjoy Fresh and healthy air inside your home.

2024  
Catalog

Providing Fresh Air For your life !!

**ASTBERG**  
VENTILATION

# HEALTHY AIR !!! | HEALTHY LIFE !!!

Fresh Air System



**Yes ! Indoor Air Matters.**

**ASTBERG VENTILATION** a renowned name in ventilation system products comes with a commitment to get rid off its clients from bad indoor air & give them quality fresh oxygen rich air to keep them healthy & fresh round the clock.

ASTBERG VENTILATION PVT LTD takes immense pride in integrating MVHR technology into our comprehensive line of products, cementing our dedication to energy efficiency and decarbonization. Our offerings harness the power of MVHR, aligning perfectly with our mission to create sustainable solutions for achieving net-zero goals in building design and operation.

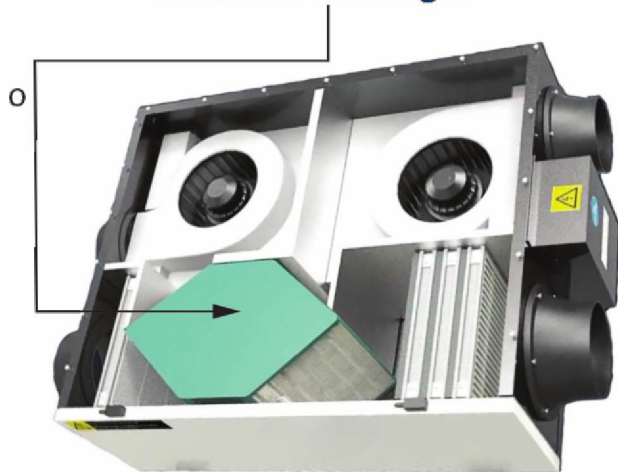
MVHR technology signifies a commitment to constructing energy-efficient buildings. Through this technology, we are empowering the realization of a greener future, where every structure is a testament to sustainability and energy conservation.

### How Mechanical Ventilation Heat Recovery (MVHR) Systems Work?

Before diving into the working principle of a heat recovery system, we find it imperative to provide an informative summary to explain more about it in detail. On that note, mechanical ventilation heat recovery system (MHVR), is basically an energy recovery ventilation system.

It works between two sources at different temperatures to reduce heating and cooling demands of buildings, thereby saving energy costs. It keeps building fully ventilated to ensure optimal comfort by recovering lost heat from the extracted air.

### Heat Core Exchanger



### How Heat Core Exchanger Works



There's no need to worry about cross-contamination of different air flows since both the extracted and supplied air don't flow within the same pipes.

However, it transfers the heat extracted from the stale air to the cold air before feeding it back down into the pipes and the rooms, while the former is expelled back into the atmosphere.

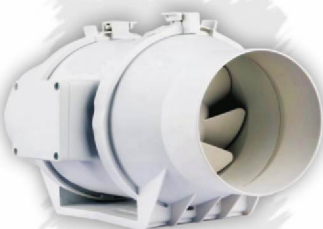
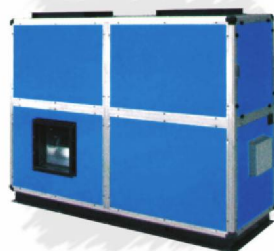
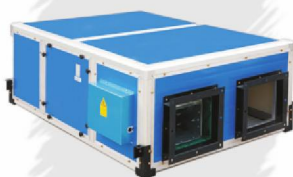
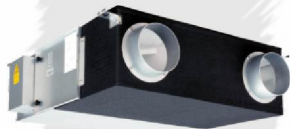
Over the years, the technology involved in heat recovery units has improved significantly. You'll be pleased to know that we have heat recovery core with cross counter flow that recover upto 70-85% of heat from stale air before returning it to the atmosphere to continue the circulation process.

### Quality Assurance

At Astberg Ventilation, our foremost goal is to provide our customers with the premium quality products. Our approach divides into two operations: Quality Assurance, ensuring industry-leading standards, and Quality Control, meticulously examining products. Our commitment to quality is not just a practice; it's our pledge to deliver products that exceed expectations, ensuring complete satisfaction for our valued customers.

## Related Products

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# Cabinet Type Purification Energy Recovery Ventilation

**ASTBERG**  
VENTILATION



Constant air supply: the use of fluid dynamics, constant pressure and constant oxygen. Fan motor: using DC frequency conversion motor fan. Nano paper film technology, heat exchange efficiency of 80% or more. Multiple high-efficiency filtration: stainless steel wire mesh, double primary filtration (G4), Double HEPA (H13) filtration, composite PC filter, purification efficiency > 99.99. Air supply mode: three air supply modes. Direct air supply and the top of the top back, ground supply Air supply: three air supply methods. Low noise and low energy consumption: 25dB ultra-quiet, line development 24 hours as long as 0.7 degrees of electricity. WIFI APP remote cloud control, VOC, PM2.5 indoor air quality display detection;

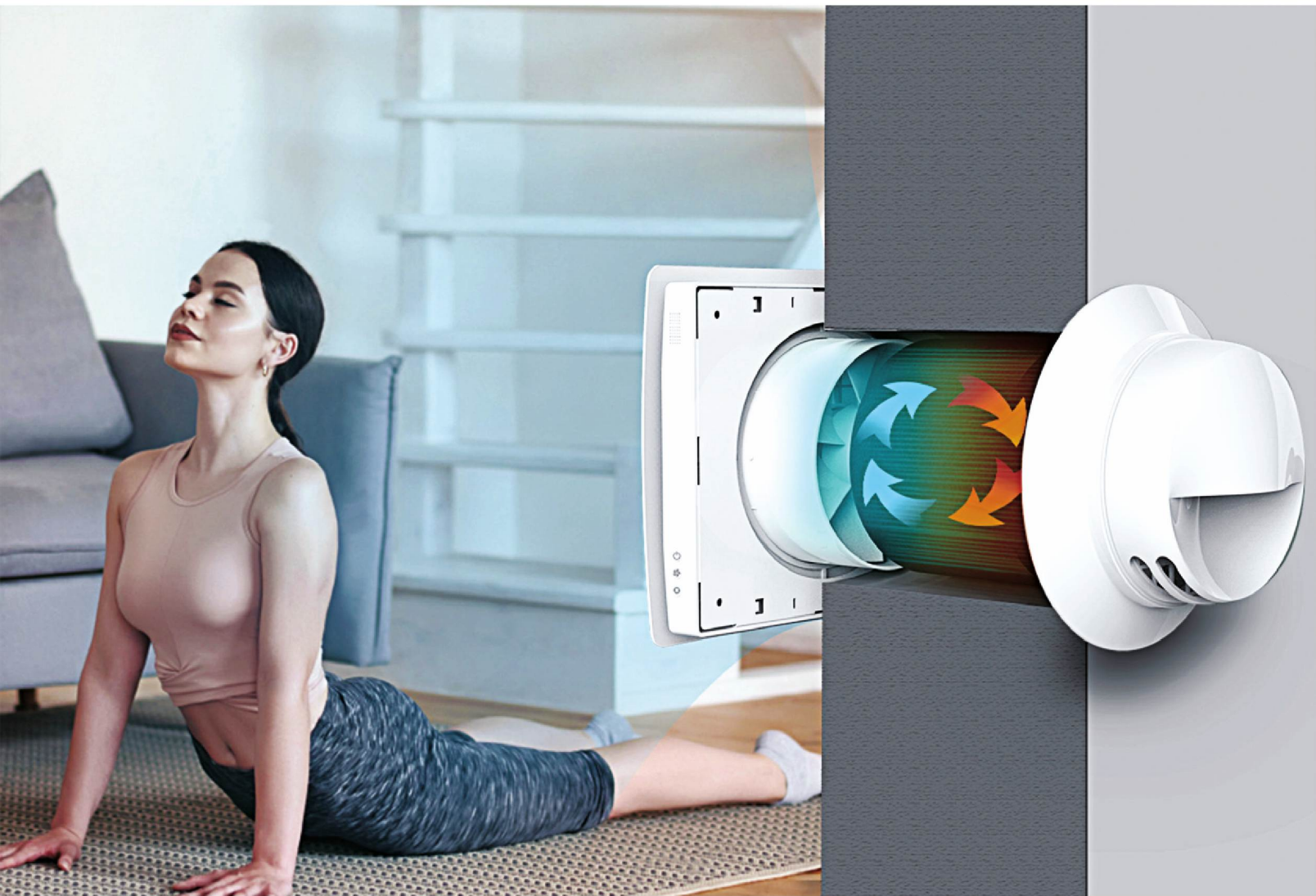
## PERFORMANCE PARAMETER:

Model	Unit	ASF-35THP	ASF-50THP	ASF-80THP
Voltage	(V/Hz)	220/50	220/50	220/50
Airflow	(m3/h)	350	500	800
Static pressure	(Pa)	243	260	612
Purify efficiency	(%)	99	99	99
Rated power	(W)	60	93	310
Noise	(dB)	20-27	20-35	30-37
Heat Recovery	(%)	85	85	85
Size	(mm)	1500x480x402	1765x480x405	1921x500x525

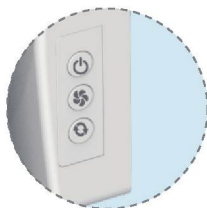


# Single Room Heat Recovery Ventilator

ASTBERG  
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WIFI  
CONNECTIVITY



## THREE WORKING MODE



### INTAKE MODE

Bringing fresh air  
into the room



### EXHAUST MODE

Elimination of indoor  
exhaust stale air



### REGENERATION MODE

Air intake and exhaust  
circulation per 65S

Simple and convenient control  
via wireless remote,  
manual button

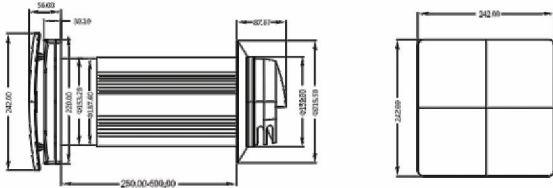
**FUNCTIONAL  
AND RELIABLE**

# Single Room Heat Recovery Ventilator

**ASTBERG**  
VENTILATION



## DIMENSIONS:



Diameter Unit	150 mm
Exterior Tube Diameter	163 mm
Wall Thickness	standard : 250 mm-450mm
Installation Tube (can be cut)	250 mm to 450 mm
Inside Cover	242 mm x 242 mm

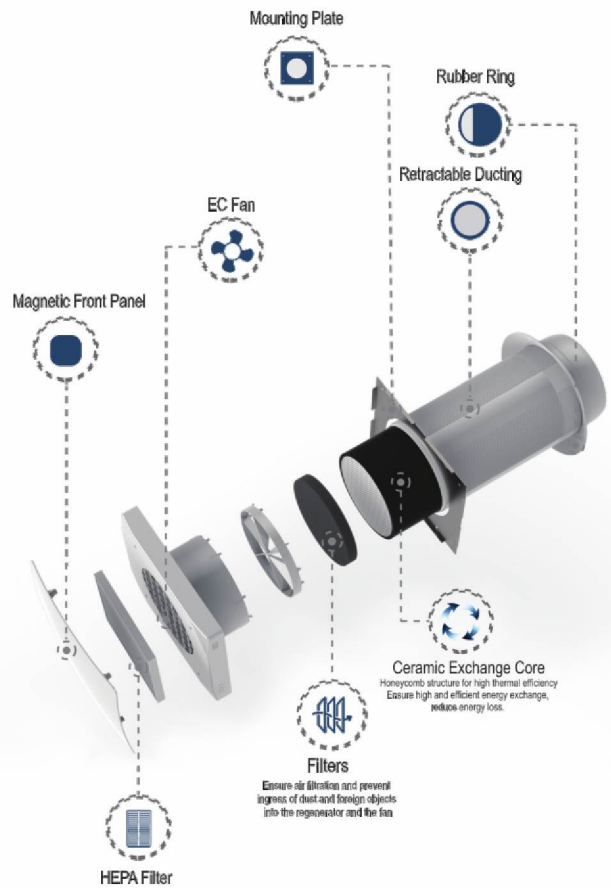
## STANDARD FEATURES:

This is one of the most valuable products

- Supply clean fresh air to the premises.
- Low energy demand.
- Prevent penetration of excessive humidity and appearance of mould.
- Low noise level.
- Clean intake air from dust, insects, exhaust fumes.
- Recover heat and provide indoor humidity balance.

## TECHNICAL SPECIFICATIONS :

Ventilation Rates	28/32/35 CFM
Heat Recovery Efficiency	upto 90%
Humidity Recovery	20-30%
Specific Fan Efficiency	0.06-0.17 W/cfm
Ventilation System Efficiency	0.10 Wh/m <sup>3</sup>
Filter	G3 or optional HEPA
Sound Levels	20.0 dB/ 24.0 dB/ 30.0dB



# Heat / Energy Recovery Ventilator

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## STANDARD FEATURES:

- Energy saving air exchange: Effectively recover the heat energy, which lost by air exchange (fresh air load), which can save the cost of air conditioning.
- Save equipment: because it can reduce the fresh air load greatly, part of the heat energy can be recovered, the air conditioning equipment can be appropriately miniaturized.
- Humidity regulating function: during refrigeration, remove the external air which with high humidity and supply air as close to the indoor humidity. During heating, convert dry outdoor air into indoor humidity, and supply air as close to the indoor humidity.

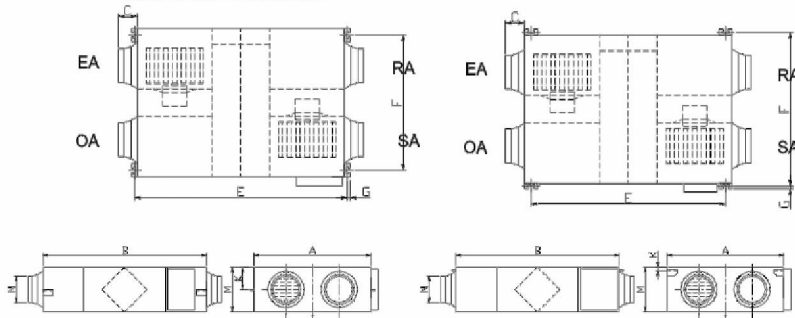
- Comfortable air exchange: indoor temperature changes in little during air exchange. Due to simultaneous air exhaust and air supply, air exchange also can be stable in a highly sealed room.
- Sound insulation effect: Body air duct and heat exchange core have sound insulation effect, can prevent outdoor noise into the indoor, or prevent indoor noise to the outdoor, do not damage the office and other public places environment.

### ▶ Regarding Air exchange method

Energy recovery and ventilation: heat exchange for outdoor air and indoor air to get close to the temperature and humidity of indoor air and then supply air to the room.



### DIMENSION DIAGRAM :

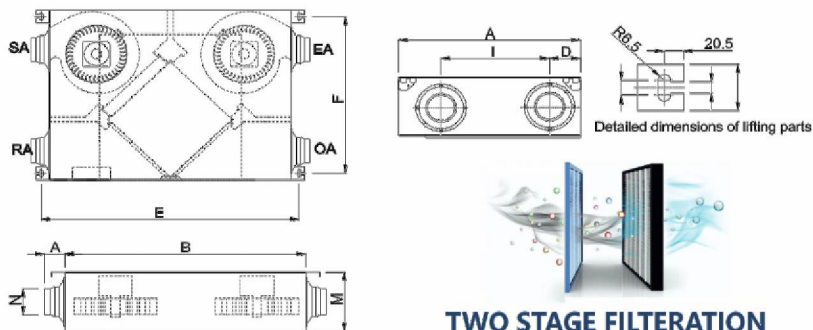


## PERFORMANCE PARAMETER : AHE D20 THA(L/M/H)

Airflow (m <sup>3</sup> /h)	Ext. Pressure (Pa)	Enth. Cooling (%)	Enth. Heating (%)	Temp. (°C)
150/200/200	60/70/75	60/55/55	63/69/69	75/70/70
Noise (dB)	Voltage (V/Hz)	Current (A)	Input Power (W)	Weight (Kg)
25/30/31.50	--/220/--	--/0.5/--	--/117/--	--/25/--

Model	A	B	C	E	F	G	L	K	M	ΦN
AHE-D20THA	580	666	100	725	510	19	290	20	264	144

## DIMENSION DIAGRAM :



### TWO STAGE FILTRATION



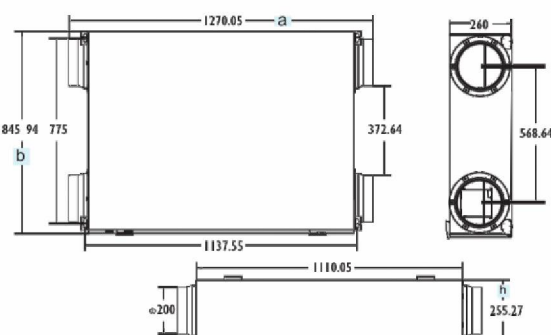
## PERFORMANCE PARAMETER : AHE D25 THP(L/M/H)

Airflow (m <sup>3</sup> /h)	Ext. Pressure (Pa)	Enth. Cooling (%)	Enth. Heating (%)	Temp. (°C)
210/250/250	35/50/100	57/55/55	70/68/68	75/73/73
Noise (dB)	Voltage (V/Hz)	Current (A)	Input Power (W)	Weight (Kg)
26.5/33.5/34	--/220/50/--	0.58/0.60/0.71	123/148/150	--/32/--

Model	A	B	C	D	E	F	I	M	ΦN
AHE-D25THP	700	930	70	122	990	633	425	220	144



## DIMENSION DIAGRAM:



## PERFORMANCE PARAMETER : AHE 50 GL

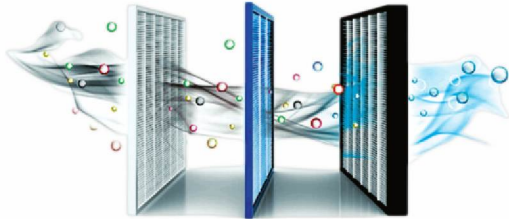
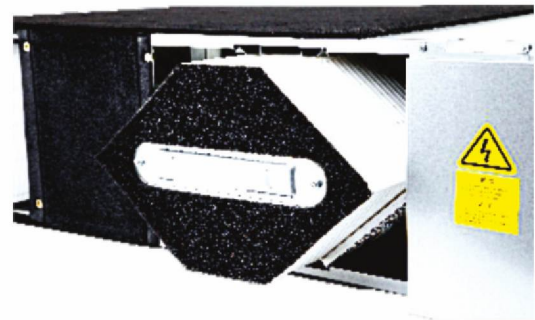
Voltage (V/Hz)	Power (Pa)	Airflow (m <sup>3</sup> /h)	Pressure (Pa)	Efficiency (%)	Noise (dB)
220 V	462/306	500	420	84-87	38

a	b	h	Φd	Weight
1110 mm	846 mm	260 mm	210 mm	45.5 kg



# Heat / Energy Recovery Ventilator

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## THREE STAGE FILTRATION

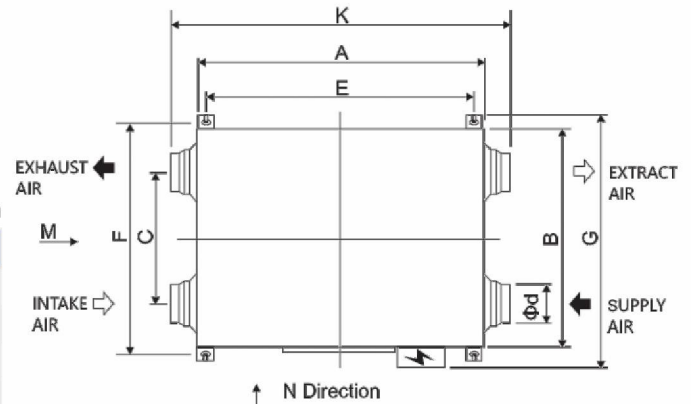
### STANDARD FEATURES:

This is one of the most valuable products

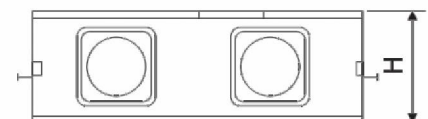
- Airflow from 100m<sup>3</sup>/h-1200m<sup>3</sup>/h.High technology Counterflow Nano-film heat exchanger core that the efficiency of energy recovery more than crossflow .
- Heat exchange core Life span up to 10 years .
- External rotor motor, equipped with automatic reset thermal overload protection
- Double way air filtration to bring fresh air and improve air quality
- Filter: Washable three levels filters Include Primary Filter, HEPA high efficient filter, Activated Carbon filter, air filters in exhaust and supply air streams.
- Integrated balancing damper and balancing port.
- Easy access service door
- LCD controller



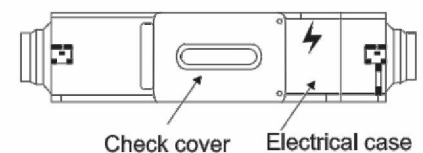
### DIMENSION DIAGRAM:



M Direction



N Direction



unit:mm

Model	A	B	C	E	F	G	H	K	Φd
AHE-20THP	695	490	255	665	530	565	238	835	150
AHE-25THP	1135	600	318	1060	660	735	275	1330	150
AHE-35THP	1135	740	458	1060	800	875	275	1330	150
AHE-50THP	1220	900	635	1150	970	1040	320	1370	200
AHE-80THP	1320	885	430	1502	936	1009	335	1485	250
AHE-100THP	1572	1132	681	1502	1186	1256	335	1742	250
AHE-150THP	1572	1132	681	1502	1186	1256	335	1742	250

### PERFORMANCE PARAMETER:

Model	Unit	AHE-20THP	AHE-25THP	AHE-35THP	AHE-50THP	AHE-80THP	AHE-100THP	AHE-150THP
Voltage	(V/Hz)	220/50	220/50	220/50	220/50	220/50/60	220/50/60	220/50/60
Airflow	(m3/h)	200/150	250/200/160	350/270/200	500/360/300	800/800/625	1000/780/650	1500/1380/1000
Static pressure	(Pa)	80	98	110	175	150	115	205
Enthalpy exchange efficiency	(%)	72-78	72-78	72-78	72-78	75/77/77	75/75/77	71/73/73
Rated power	(W)	76.3	126.8	164.4	247.6	320/273/205	450/375/330	665/450/400
Noise	(dB)	37/31	35/33/31	36/34/32	38/36/32	41/37/33	41/37/33	45/40/38
Weight	(Kg)	19	30	37	43	74	89	98
Diameter of vent	(mm)	150	150	150	200	250	250	250
Machine size	(mm)	695X495X235	1135X600X275	1135X740X275	1220X900X320	1492/1009/335	1492/1256/335	1492/1256/335

# Heat / Energy Recovery Ventilator

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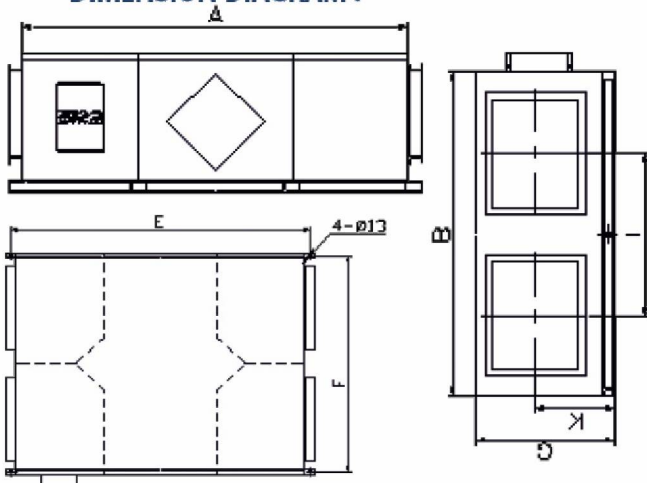


## PERFORMANCE PARAMETER:

Model	Unit	AHE-D130 TGP L/M/H
Airflow	(m <sup>3</sup> /h)	1000/1300/1300
External pressure	(Pa)	75/85/90
Enth. Eff. Cooling	(%)	58/56/56
Enth. Eff. Heating	(%)	62/59/59
Temp. Eff.	(%)	76/70/70
Noise	(dB)	38/41/43
Voltage	(V/Hz)	220-50
Current	(A)	3.2
Input Power	(W)	680
Weight	(Kg)	71

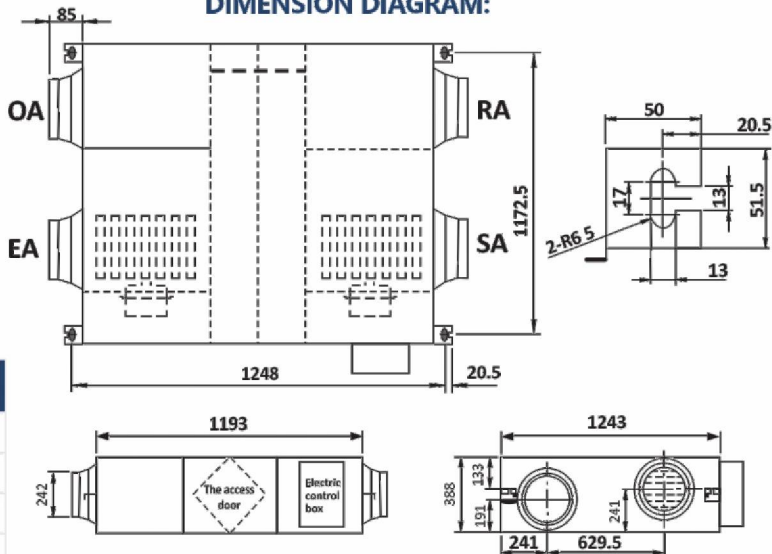


## DIMENSION DIAGRAM :



Model	A	B	E	F	G	I	K	S	S1	S2	U	U1	U2	ΦN
AHE-D150TGP	1250	1200	1300	1170	520	600	338	320	345	370	400	425	450	12
AHE-D200TGP	1300	1200	1350	1170	520	600	300	320	345	370	400	425	450	12
AHE-D300TGP	1660	1500	1710	1470	650	750	405	350	375	400	500	525	550	12

## DIMENSION DIAGRAM:



## STANDARD FEATURES:

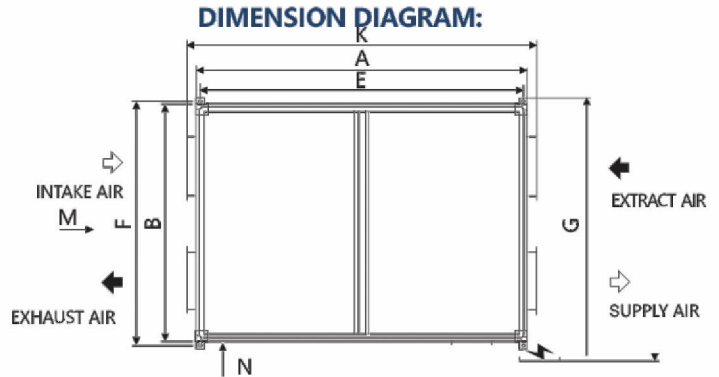
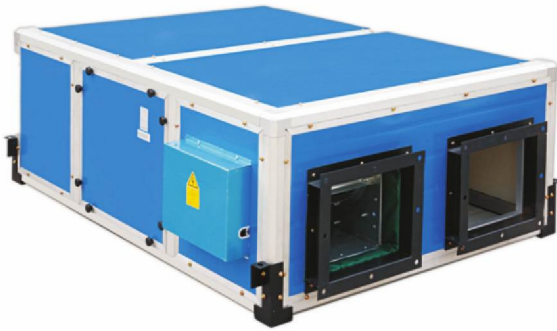
- Energy saving air exchange: Effectively recover the heat energy, which lost by air exchange (fresh air load), which can save the cost of air conditioning.
- Save equipment: because it can reduce the fresh air load greatly, part of the heat energy can be recovered, the air conditioning equipment can be appropriately miniaturized.
- Comfortable air exchange: indoor temperature changes in little during air exchange. Due to simultaneous air exhaust and air supply, air exchange also can be stable in a highly sealed room.
- Sound insulation effect: Body air duct and heat exchange core have sound insulation effect, can prevent outdoor noise into the indoor, or prevent indoor noise to the outdoor, do not damage the office and other public places environment.

## PERFORMANCE PARAMETER :

Model	Unit	AHE D150 TGP L/M/H	AHE D200 TGP L/M/H	AHE D300 TGP L/M/H
Airflow	(m <sup>3</sup> /h)	1000/1300/1500	1200/2000/2000	2500/3000/3000
External Pressure	(Pa)	84/135/165	110/132/176	150/180/210
Enth. Eff. Cooling	(%)	69/66/66	65/62/62	63/60/60
Enth. Eff. Heating	(%)	74/70/70	73/71/71	73/69/69
Temp. Eff.	(%)	74/71/71	74/71/71	73/70/70
Noise	(dB)	46/49/51	49/51/53	51/54/57
Voltage	(V/Hz)	220-50	220-50	220-50
Current	(A)	2.3/3.6/3.8	3.0/4.6/4.8	6.5/8.7/9.0
Input Power	(W)	490/740/790	650/980/1020	1400/1870/1950
Weight	(Kg)	110	112	142

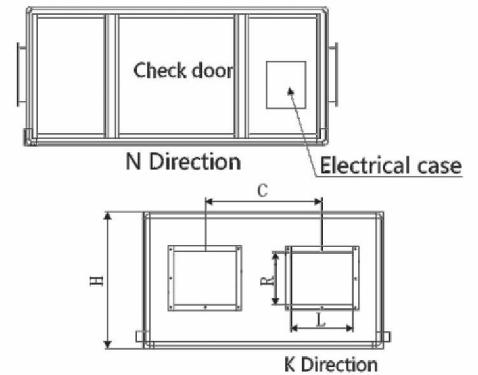
# Heat / Energy Recovery Ventilator

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**PERFORMANCE PARAMETER:**

Model	Unit	AHE-150THB	AHE-200THB	AHE-250THB	AHE-300THB	AHE-400THB	AHE-500THB	AHE-600THB
Voltage	(V/Hz)	220/50/60	220/50/60	220/50/60	220/50/60	380/50/60	380/50/60	380/50/60
Airflow	(m <sup>3</sup> /h)	1500/1360/1210	2000/1830/1660	2500/2360/2180	3000/2820/2650	4000	5000	6000
Static pressure	(Pa)	185	210	260	280	300	330	350
Enthalpy exchange efficiency	(%)	67/68/69	66/68/70	66/68/70	66/68/70	68	68	68
Rated power	(W)	580/500/400	880/750/650	1200/1080/820	1500/1320/1120	2000	2200	3000
Noise	(dB)	52/50/46	54/51/49	56/53/51	60/56/52	62	64	64
Weight	(Kg)	90	110	180	252	270	290	290
Diameter of vent	(mm)	230x210	260x230	300x260	330x300	360x310	375x375	500x400
Machine size	(mm)	1500x1020x558	1580x1160x558	1620x1260x558	1780x1360x558	1780x1560x558	2100x1760x838	2100x2020x838



**STANDARD FEATURES:**

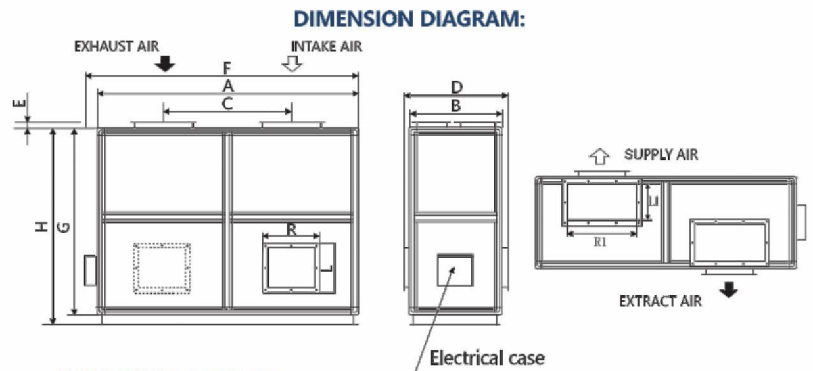
This is one of the most valuable products

- Airflow more than 1500m<sup>3</sup>/h. high technology counter flow nano-film heat exchange core that the efficiency of energy recovery more than cross flow
- Heat exchange core Life span up to 10 years .
- External rotor motor, with automatic reset thermal overload protection
- Double way air filtration to bring fresh air and improve air quality
- Internal balancing damper and balancing port
- Easy access service door
- LCD controller
- Filter: includes washable primary filter



unit:mm

Model	A	B	C	E	F	G	H	K	LxR
AHE-150THB	1400	940	430	1360	980	1020	558	1500	230x210
AHE-200THB	1480	1080	470	1440	1120	1160	558	1580	260x230
AHE-250THB	1520	1180	520	1480	1220	1260	558	1620	300x260
AHE-300THB	1680	1280	570	1640	1320	1360	558	1780	330x300
AHE-400THB	1680	1480	670	1640	1520	1560	558	1780	360x310
AHE-500THB	2000	1680	770	1940	1720	1760	838	2100	375x375
AHE-600THB	2000	1940	900	1940	1980	2020	838	2100	500x400



**PERFORMANCE PARAMETER:**

Model	Unit	AHE-400TL	AHE-500TL	AHE-600TL	AHE-800TL	AHE-1000TL
Voltage	(V/Hz)	380/50/60	380/50/60	380/50/60	380/50/60	380/50/60
Airflow	(m <sup>3</sup> /h)	4000	5000	6000	8000	10000
Static pressure	(Pa)	320	320	320	350	350
Enthalpy exchange efficiency	(%)	72	72	72	72	72
Rated power	(W)	2200	3000	3600	4400	6000
Noise	(dB)	64	65	66	68	72
Weight	(Kg)	350	385	650	950	1150
Diameter of vent	(mm)	320x500	320x600	320x700	320x500	400x500
Machine size	(mm)	1930x890x1680	2330x890x1680	2630x890x1680	1950x1500x2555	2350x1700x2635

# Heat / Energy Recovery Ventilator Darwin VF/A Series

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## DARWIN VF/A SERIES



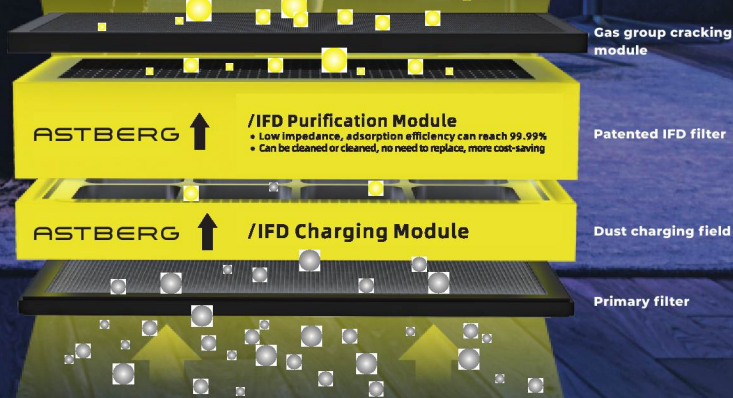
### DARWIN-VF/A

Germany COOPER total heat exchange core, upgrade the new dimension of heat and cold precision control, solve the problem of indoor and outdoor temperature difference, so that the indoor temperature is always constant and comfortable state. CFD simulation flow to design, two-way increase air exchange, small wind resistance, high static pressure. Original sheet metal air duct structure design, not only increases the structure of the load-bearing, but also sound absorption Noise reduction, significantly reduce the crosstalk of fresh air and exhaust air, and improve the purification effect..

### IFD Purification Module

Dynamic microparticle hunting module is to charge the dust microparticles and capture the charged microparticles in the hunting module. Gaseous molecular group cracking module is a thorough catalytic oxidation decomposition of formaldehyde, benzene, TVOC and other harmful pollutants, the end product of decomposition is carbon dioxide and water. No secondary pollution, no consumables, high efficiency and energy saving, long service life.

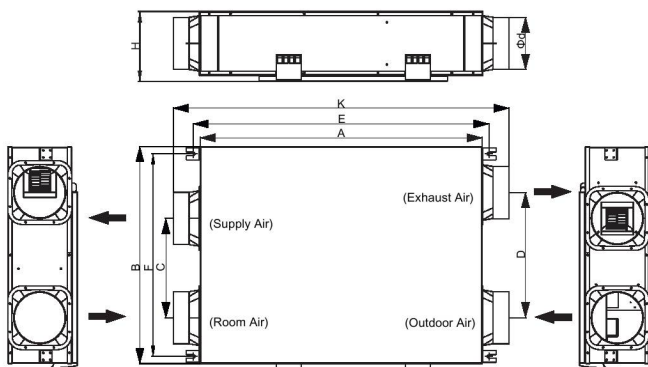
**99.99%**  
Purification efficiency



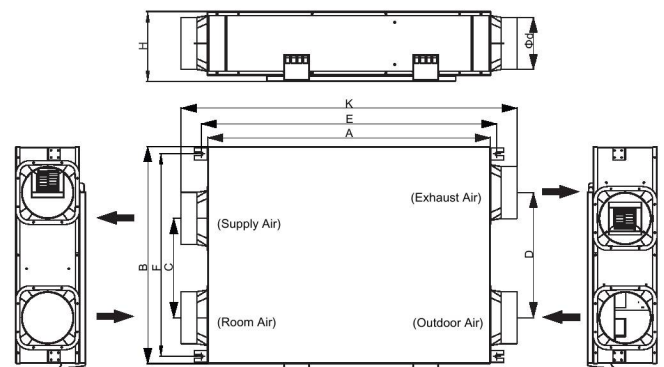
## DARWIN VF/A SERIES



### DIMENSION DIAGRAM:



Model : Darwin-VF3.5A



Model : Darwin-VF2.5A

### PRODUCT PARAMETERS

Model	Airflow (m <sup>3</sup> /h)	Voltage (V)	Power (W)	Hydrostatic (Pa)	Noise (dB)	Tube size (mm)	Heat Recovery (%)	Purification Efficiency(%)	Fuselage Size(mm)
Darwin-VF2.5A	250	220V	110	280	36	Φ150	78	99	952*615*198
Darwin-VF3.5A	350	220V	120	310	38	Φ150	78	99	952*615*198

# Smart LCD Controllers



## DOMESTIC FANS

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**Rio 4C**



**Aura 6C-03**



**Quadro 4C**



**Era 6C**



**Disc 4C**



**Neo 6SC**



**Euro 4A**



**Slim 6C**



## TECHNICAL SPECIFICATIONS

Model	Unit	Disc 4C	Euro 4A	Quadro 4C	Rio 4C	Era 6C	Aura 6C-03	E 150 SC / Neo 6SC	Euro 6A	Slim 6C
Diameter	(mm)	100	100	98	98	150	149.5	150	150	150
Power	(W)	17	14	14	14	16	17/20	16	16	10
Capacity	(m3/h)	105/80	85	90	100	290	225/320	250	230	250
Air Pressure	(Pa)	45/28	33	31	32	42	50/95	54	52	54
Noise Level	(dB)	35	35	35	32	38	28/33	38	38	33
Current	(A)	0.07	0.06	0.06	0.06	0.07	0.08/0.09	0.07	0.07	0.05

# INLINE FANS

## Mix Flow Fan



Model	Unit	AF-100P	AF-125P	AF-150P	AF-200P	AF-250P	AF-315P
Voltage	(V/Hz)	220/50	220/50	220/50	220/50	220/50	220/50
Current	(Amps)	0.12	0.14	0.22	0.53	1.20	1.90
Power	(W)	26	33	54	128	225	390
Air Flow	(m <sup>3</sup> /h)	198	284	530	840	1405	2206
Air Pressure	(Pa)	156	159	300	352	488	693
Noise	(dB)	31	31	33	43	48	63
Weight	(kg)	1.5	1.5	2.6	4.9	7.5	11

## Mix Flow Fan with EC Motor

Model	Unit	AEC 150	AEC 160	AEC 200
Voltage	(V/Hz)	220/240	110/240	220/240
Current	(Amps)	0.35	1.4	1.0
Power	(W)	50	77	110
Air Flow	(m <sup>3</sup> /h)	20-530	20-798	20-1292
Air Pressure	(Pa)	350	542	485
Rotated Speed	(rpm)	2550	4330	3550
Weight	(kg)	1.8	2.0	2.7



## Typhoon Fan



\* with optional delay Timer

Model	Unit	TYPHOON <sup>100</sup> <sub>125</sub>	TYPHOON <sup>150</sup> <sub>160</sub>
Current	(Amps)	0.11/0.10	0.22/0.18
Power	(W)	25/23	50/42
Voltage	(V/Hz)	220/50	220/50
Air Flow	(m <sup>3</sup> /h)	250/180	570/415
Air Pressure	(Pa)	190/110	305/225
Rotated Speed	(rpm)	2500	2600
Noise Level	(dB)	41/31	49/40
Weight	(Kg)	2	3

## Heavy Duty Ceiling Mounted Exhaust Fan

Model	Unit	ASP 1001	ASE 1003	ASE 1501	ASE 1502
Voltage	(V/Hz)	220/50	220/50	220/50	220/50
Current	(Amps)	0.25	0.12	0.4	0.4
Airflow	(m <sup>3</sup> /h)	170	200	270	270
Duct size	(inch)	4	4	6	6
Noise	(dB)	32	29	34	34
Air Pressure	(Pa)	120	150	170	170
Weight	(Kg)	3	3.6	4.5	4.5



## Ceiling Mounted Exhaust Fan



Model	Unit	APT10-21S	APT10-24SL	APT15-27SL
Voltage	(V/Hz)	220/50	220/50	220/50
Power	(W)	25	30	40
Air Flow	(m <sup>3</sup> /h)	150	200	300
Air Pressure	(Pa)	100	110	120
Noise	(dB)	33	35	33
Weight	(kg)	1.7	1.9	2.5



# INLINE FANS

## Circular Duct Fan (G-Series)



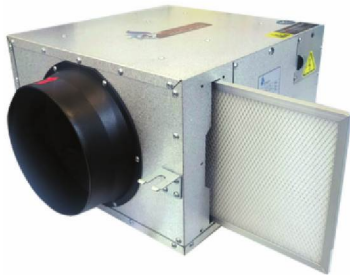
Model	Unit	AEE-100G	AEE-125G	AEE-150G	AEE-200G	AEE-250G	AEE-315G	AEE-400G
Voltage	(V/Hz)	220-230/50	220-230/50	220-230/50	220-230/50	220-230/50	220-230/50	220-230/50
Power	(W)	85	75	89	127	168	223	168
Air Flow	(m <sup>3</sup> /h)	290	370	740	1020	1050	1600	2500
Air Pressure	(Pa)	290	350	325	520	550	650	325
Speed	(RPM)	2500	2500	2500	2500	2500	2500	1580
Noise	(dB)	65	65	68	70	72	75	60
Weight	(kg)	3.8	3.9	5.4	6.2	6.2	8.5	17.8

Model	Unit	AHT10-23	AHT15-34	AHT20-55A
Voltage	(V/Hz)	220/50	220/50	220/50
Rated power	(W)	25	55	110
Airflow	(m <sup>3</sup> /h)	230	450	800
Static pressure	(Pa)	130	170	220
Noise	(dB)	45	48	50
Weight	(kg)	2.5	4.5	8.0
Duct size	(mm)	100	150	200
Machine size	(mm)	216x175x205	298x215x278	350x280x360

## Kitchen Exhaust Fan



## Acoustic Box Fan with Filter



Model	Unit	AFV-12DP	AFV-15DP	AFV-18DP	AFV-19DP	AFV-20DP	AFV-23DP	AFV-25DP	AFV-28DP
Voltage	(V/Hz)	220/50	220/50	220/50	220/50	220/50	220/50	220/50	220/50
Rated power	(W)	27	41	69	114	157	230	280	290
Airflow	(m <sup>3</sup> /h)	180/144	370/300	500/400	770/620	920/720	1200/900	1700/1380	1900/1600
Static pressure	(Pa)	100	105	180	140	150	160	380	400
Noise	(dB(A))	21/17	27/24	29/27	31/29	32/29	40/34	41/38	43/44
Weight	(kg)	5.1	6.6	8.7	9.0	14.2	18.1	24.2	24.3
Diameter of vent	(mm)	97	145	145	195	240	240	240	240
Machine size	(mm)	290X290X184	302X290X206	338X316X232	397X376X254	441X418X272	469X468X298	495X495X334	495X495X334

Model	Unit	ADD-100P ADD-125P	ADD-150P	ADD-200P
Voltage	(V/Hz)	220/50	220/50	220/50
Current	(Amps)	0.14	0.25	0.57
Power	(W)	33	50	128
Air Flow	(m <sup>3</sup> /h)	284	530	840
Air Pressure	(Pa)	159	300	352
Noise	(dB)	25	31	35
Weight	(kg)	2.8	4.0	5.9

## Silent Mix Flow Fan



## Ceiling Mounted Exhaust Fan with Light



### Integrated Ceiling Mounted Ventilation Fan (with Lighting)

Model	Voltage (V)	Frequency (Hz)	Power (W) Ventilating Lighting	Air Volume (m <sup>3</sup> /h)	Air Pressure (Pa)	Noise (dB) (Ventilating)	Panel Size
AL 30	220	50	32 12	150	100	39	300x300
ASL 1005	220/50	-	- 12	190	-	32	-

## Ultra Slim Box Fan

Model	Voltage	Rated Power	Airflow	Static Pressure	Noise	Dia. of Vent	Machine Size	Weight
Unit	V/Hz	W	m <sup>3</sup> /h	Pa	dB(A)	mm	mm	Kg
ASF-25	220-230/50	35	250	200	33	100	320x380x130	7



# ACCESSORIES

**ASTBERG**  
VENTILATION



Round Grill



Disk Diffuser



Rotating Grill Diffuser



3 Step Diffuser



Varanda Grill



Outer Steel Cowl  
Powder Coated



Outer Steel Cowl



Outer Flat Grill Steel



ABS Ball Jet Nozzle



Fancy ABS Grill



Gravity Damper



ABS Air Volume  
Control Valve



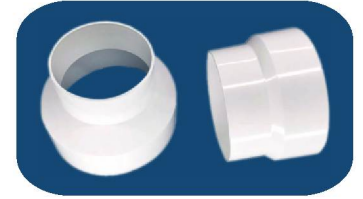
Y Joint PVC



ABS Oblique Air Grill



ABS Wall Cowl



ABS Reducer



PVC Duct Hanger



Metal Clip Clamp



U-Type Pipe Clamp



Branch Box



PE Pipe Connector



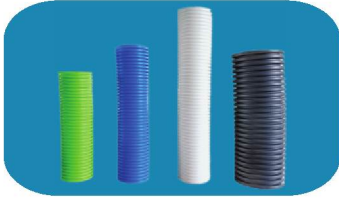
PE Pipe Oblique Connector



ABS Reducer



Y Type Connector



Double Corrugated Pipe



Beam Crosser Lantel  
Device Adaptor



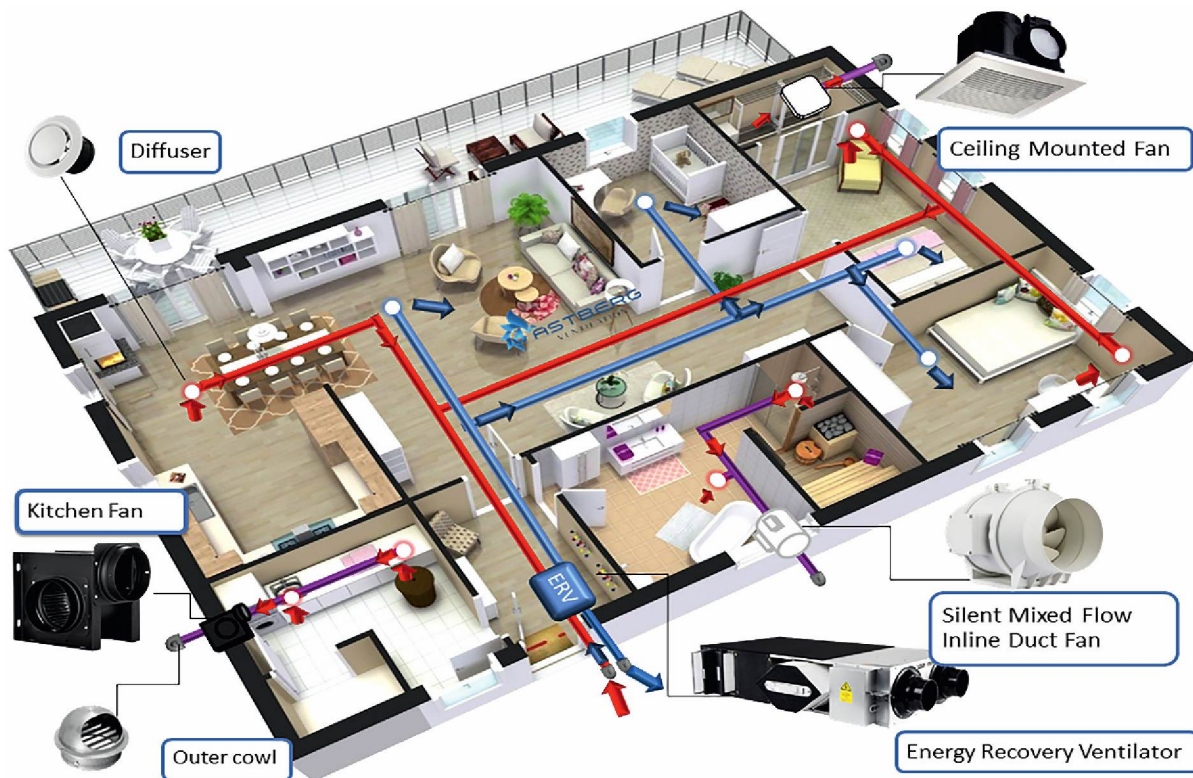
Air Purification Box



PVC Flexible Duct

# ERV Installation Guide

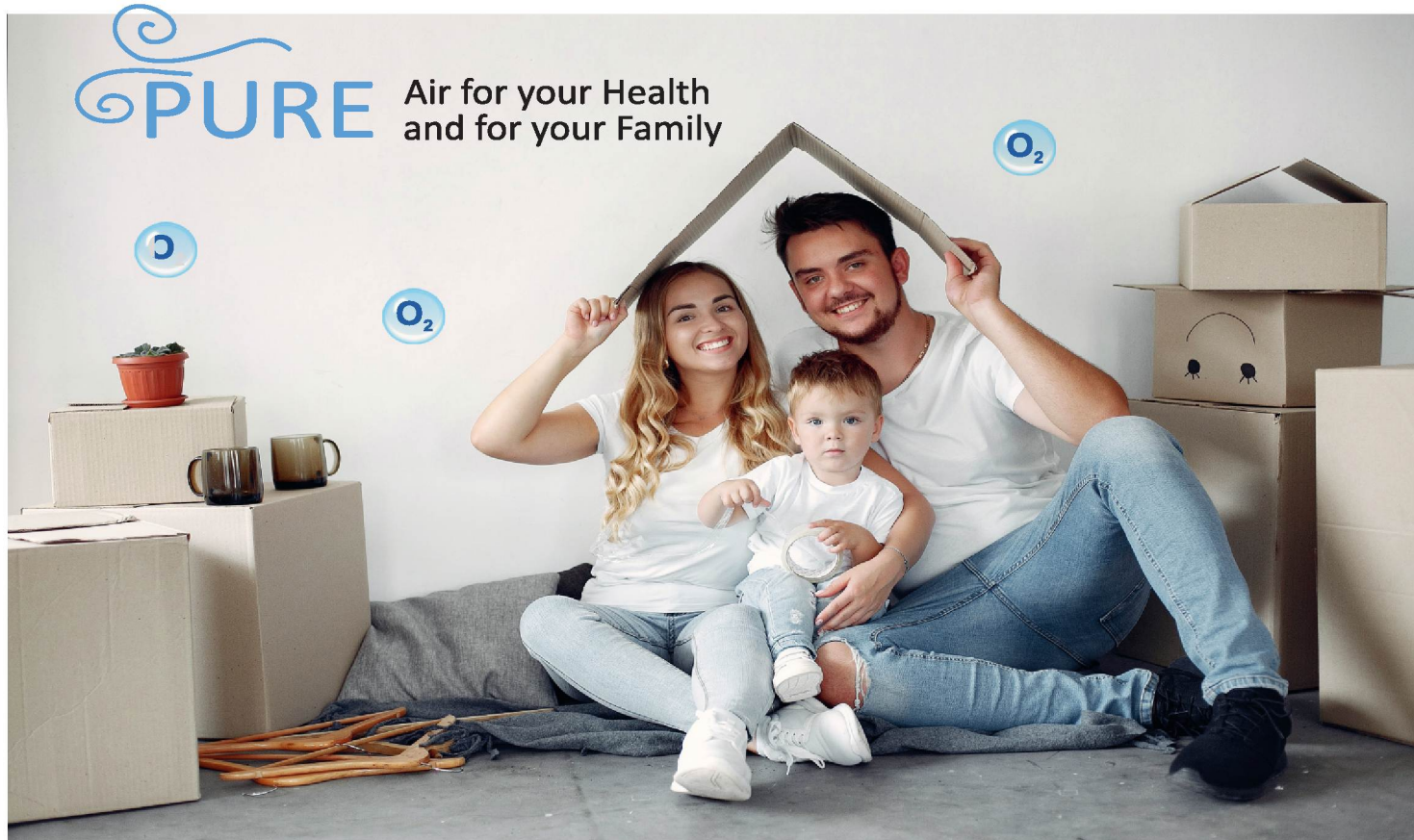
ASTBERG  
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## ENJOY FRESH AIR INDOOR

PURE

Air for your Health  
and for your Family



**ENJOY ENERGY-SAVING  
FRESH AIR**



**Create a comfortable and quiet environment**

Using high quality insulation material combined with optimization design of the impeller and air duct  
Effectively reduce indoor noise

**Design philosophy-energy saving & long life**

Upon the application of energy-saving motor effectively control rise in temperature and ensure long time operation and reduction of CO2 emission.

**Ultrafine particulate filter**

Fresh air into the indoor has been efficiently filtered good performance of filtration ensures the indoor air highly clean

**Intimate humidity adjusting**

According to the indoor and outdoor relative humidity. Automatic regulation of air replacement rate. Ensure that indoor air with optimum humidity

**Efficient energy recovery**

Through heat exchange of the exchange core. Realization of energy recovery from air conditioning or heating equipment



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