

NATHER

NATHER PRODUCT BROCHURE

NATHER

NATHER
Zehnder Group

NATHER Ventilation System Co.,Ltd.

Tel: 4006-678-198
URL: www.nather.com.cn

E-mail: nather@nather.com.cn



ISO9001
ISO14001
ISO45001



Scan the QR code
to follow us.

NATHER reserves the right to make changes without further notice.



About NATHER

NATHER is a high-tech enterprise specialized in providing indoor Ventilation Mechanical Control (VMC) systems and air purifying solutions. It is the subsidiary of a century listed enterprise —Swiss Zehnder Group. Our ventilation technology is originated from Europe. With abundant technical power and production strength, NATHER has developed into an intelligent ventilation brand provider integrating R&D, production, sales and service.

NATHER staff uphold the enterprise mission of "Healthy Air, Healthy Life", and are always committed to the research and development of cutting-edge technology in ventilation and air purification. NATHER possesses about 80 patented ventilation techniques. Our products of VMC (Ventilation Mechanical Control) systems consist of unidirectional flow, bidirectional flow, heat exchange and so on. We have taken part in drafting and enacting several China national and local ventilation standards, and NATHER takes it as its burden duty to promote the development of Chinese housing ventilation industry. Because of our excellent product performance and perfect after-sale service, NATHER has established strategic partnership with more than 30 enterprises of China TOP100 real estate developers. Now we have more than 400 dealers across the country to sell products and serve customers. NATHER VMC products have been widely used in residence, apartment, office building, hotel, school, and other places. It is providing more and more people with natural & healthy air, and also a high-quality life.



**Fresh
Air**



**Water
purification**



**Air
Conditioner**





**Humidity
control**


30 years


Member of the Zehnder Group in China

T Series Energy Recovery Ventilator

- 

Energy Recovery Ventilator
- 

Washable core
- 

Dual DC motors
- 

Free adjustment of air pressure



Product Performance · T series											
Model	Fan Speed	Fresh Airflow (m³/h)	Exhaust Airflow (m³/h)	Available Pressure of Fresh Air (Pa)	Power (W)	Noise (dB)	Power Supply	Weight (Kg)	Enthalpy Heat Exchange Rate (%)		Dimensions (mm)
									(Cooling)	(Heating)	
T-3a	Boost	300	300	90	108	38	220V~ /50Hz	31	66.0	77.0	975x790x250
	High	250	250	80	72	36					
	Mid	200	200	70	50	33.5					
	Low	150	150	60	33	29					
	Sleep	100	100	20	20	22.5					
T-4a	Boost	400	400	110	205	39	220V~ /50Hz	37	65.0	75.0	1067x790x252
	High	350	350	100	154	37					
	Mid	270	270	90	95	35					
	Low	190	190	80	58	30					
	Sleep	130	130	60	32	25					

Note 1、The enthalpy efficiency at air volumes of 300/300 is 63% (Cooling) and 74% (Heating), respectively.
 1、The enthalpy efficiency at air volumes of 400/400 is 62% (Cooling) and 72% (Heating), respectively.

Wireless connection

The host and the controller adopt advanced wireless communication technology to achieve reliable connection. The wiring-free design greatly simplifies the installation difficulty.



NATHER APP
 Link the NATHER APP to achieve remote control.

Self-developed intelligent anti-freezing technology

The intake/air supply temperature sensor automatically monitors the temperature at the fresh air inlet and the air supply to prevent the main unit from freezing in severe cold weather.
 *NATHER Patent Backflow Prevention Check Valve: 202023205618.1 (Patent Number)

- 4. Filter timing reminder**

Remind to replace the filter screen before its expiration.
- 5. Antibacterial filter combination**

Highly efficient and composite antibacterial in F8+H12
- 6. All in one (only T-4a)**

It can simultaneously complete the inspection of core components such as filters, cores, electronic control systems, and fans.

22.5dB(A) Mute

The main body is made of EPP and a sheet metal frame structure, which can ensure better seismic resistance and noise reduction performance.



*The above data represents the noise level that the fresh air host can achieve when operating in sleep mode.
 The data is sourced from a third-party test report. The actual effect may vary due to the usage environment and installation method.

A Series Energy Recovery Ventilator



Energy Recovery Ventilator



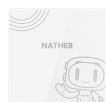
Washable core



Dual DC motors



Free adjustment of air pressure



*Five-in-one sensor (Intelligent control version configuration)

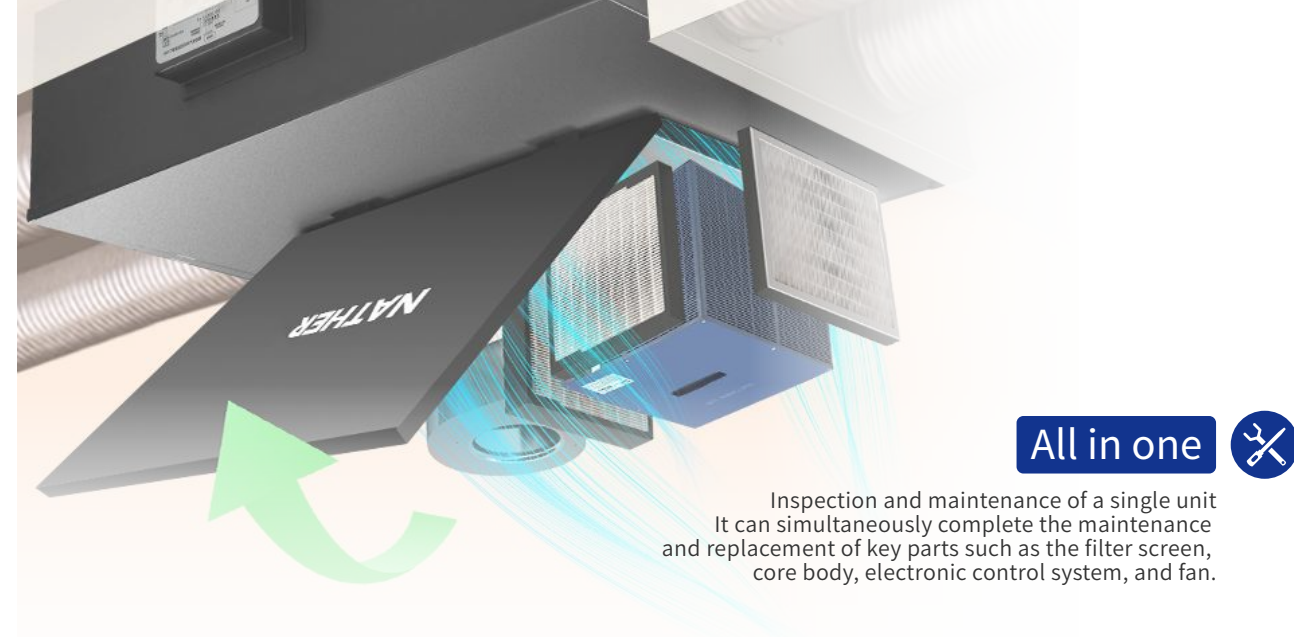


High-definition color screen controller

Product Performance · A series

Model	Fan Speed	Fresh Airflow (m³/h)	Exhaust Airflow (m³/h)	Available Pressure of Fresh Air (Pa)	Power (W)	Noise (dB)	Power Supply	Weight (Kg)	Enthalpy Heat Exchange Rate %		Dimensions (mm)
									(Cooling)	(Heating)	
A-2a	Boost	180	160	50	60	36.3	220V~ /50Hz	32	61.7	65.2	810x644x253
	High	150	135	40	56	34.1					
	Mid	110	100	30	28	28.7					
	Low	80	70	20	18	26.4					
	Sleep	50	50	15	10	24.2					
A-3a	Boost	300	250	70	125	38.7	220V~ /50Hz	35	56.3	61.3	865x669x273
	High	250	210	60	93	35.2					
	Mid	170	135	50	40	30.1					
	Low	110	90	30	25	25.4					
	Sleep	50	50	15	10	23.7					
A-4a	Boost	350	310	85	175	39.3	220V~ /50Hz	35	56.5	60.4	890x694x273
	High	250	225	60	85	33.2					
	Mid	200	170	50	55	30.0					
	Low	155	110	40	36	27.7					
	Sleep	100	100	25	20	25.6					
A-5a	Boost	500	400	100	240	41.9	220V~ /50Hz	47	56.7	67.6	965x692x341
	High	390	320	80	128	38.8					
	Mid	320	250	70	89	35.6					
	Low	250	200	60	69	35.5					
	Sleep	200	160	50	50	34.0					

*Reference Fan Speed



Intelligent operation

1. Con-airpannel High Definition Color Screen Controller:
Pre-set time periods, modes and gears are available.



Countdown reminder for filter replacement

Customize the filter duration

2. Intelligent ecosystem:
Link to NATHER APP / "NATHER Smart Home Control" mini-program
Integrate into the whole-house smart home system via RS-485 protocol
Enable remote control through a third-party centralized control platform
3. Five-in-one sensor (Intelligent control version configuration) :
Detect temperature, humidity, CO₂, PM2.5, and TVOC,
Pair with the wireless controller to interact with the fresh air host.



Temperature control and anti-freezing technology for adjusting speed

Based on different indoor and outdoor temperatures and the supply air temperature of the fresh air unit, different fresh air and exhaust air fan speeds are controlled to prevent the unit from freezing in cold regions.



Antibacterial filter combination

H12 high-efficiency antibacterial filter
+ F7 medium-efficiency filter



23.7dB(A) Multi-level noise reduction

R Series Energy Recovery Ventilator



Energy Recovery Ventilator



Washable core



Dual DC motors



Free adjustment of air pressure



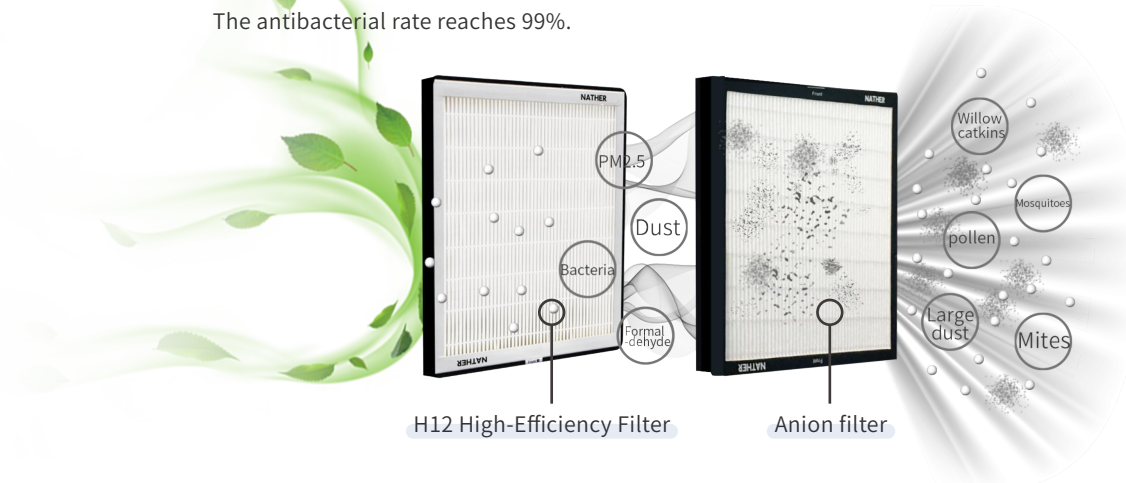
Product Performance · R series

Model	Fan Speed	Fresh Airflow (m³/h)	Exhaust Airflow (m³/h)	Available Pressure of Fresh Air (Pa)	Power (W)	Noise (dB)	Power Supply	Weight (Kg)	Enthalpy Heat Exchange Rate %		Dimensions (mm)
									(Cooling)	(Heating)	
R-2a (INCL Mirrored)	High	150	130	70	37	34	220V~ /50Hz	22	58.5	67.2	765x525x244
	Mid	130	115	60	30	32.5					
	Low	100	75	50	20	30					
R-3a (INCL Mirrored)	High	250	200	80	85	38	220V~ /50Hz	32	62.3	65.1	974x654x251
	Mid	190	150	70	45	35					
	Low	130	100	60	25	32					
R-4a (INCL Mirrored)	High	350	300	80	150	38.5	220V~ /50Hz	36	60.2	65.3	1024x704x261
	Mid	250	215	70	80	34					
	Low	150	125	60	40	30					



Silver ion antibacterial filter + H12 grade filter

The antibacterial rate reaches 99%.



Multiple control modes

1. Automatic mode: Pre-set time control for seven days of the week.
2. Manual mode: The supply air and exhaust air have three wind volume levels that can be independently adjusted.



Total Heat Exchange Comfortable Hex-core

Higher efficiency and energy savings in temperature and humidity exchange.

*R-3a, R-4a



Unique W-shaped V-track design

Prevent air leakage and facilitate maintenance.*R-2a



High-quality dual DC motors

Fresh air and exhaust air can be controlled separately.



G Series Energy Recovery Ventilator



GA-2a



GA-3a
GD-4a

Product Performance · G series

Model	Fan Speed	Fresh Airflow (m³/h)	Exhaust Airflow (m³/h)	Total pressure at the fresh air outlet (Pa)	Power (W)	Noise (dB)	Enthalpy Heat Exchange Rate		Power Supply	Weight (Kg)	Dimensions (mm)
							(Cooling%)	(Heating%)			
GA-2a	High	200	155	88	144	36	57.2	70.1	220V~ /50Hz	23	765x525x244
	Mid	130	110	66	105	32					
	Low	90	75	60	90	20					
GA-3a	High	250	200	110	190	38	62.2	71.5	220V~ /50Hz	33	974x654x251
	Mid	190	150	90	160	35					
	Low	130	100	80	135	31					
GD-4a	High	350	300	108	197	38.5	60.1	65.2	220V~ /50Hz	36	1024x704x261
	Mid	250	215	100	105	34					
	Low	150	125	90	54	30					



*GA-3a、GD-4a

G series

Overall filtration efficiency of the entire machine >97%

CAE Series Ultra-low Energy Consumption Energy Recovery Ventilator



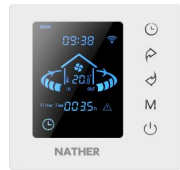
Energy Recovery Ventilator



Washable core



Dual DC motors



Product Performance · CAE series

Model	Fan Speed	Fresh Airflow (m³/h)	Exhaust Airflow (m³/h)	Total pressure at the fresh air outlet (Pa)	Power (W)	Noise (dB)	(Cooling%)		(Heating%)		Power Supply	Weight (Kg)	Dimensions (mm)
							Sensible heat	Total heat	Sensible heat	Total heat			
CAE02A (INCL Mirrored)	High	200	200	85	75	33.8	70.8	70.3	79.6	75.3	220V~ /50Hz	48	1187x768x246
	Mid	150	150	85	47	31.5	76.1	74.3	82.4	78.6			
	Low	100	100	85	39	30.5	80.9	79.7	87	83.5			
CAE03A (INCL Mirrored)	High	250	250	85	110	36.1	71.0	69.4	75.9	73.9	220V~ /50Hz	56	1187x868x246
	Mid	200	200	85	87	35.4	71.5	69.1	77.1	74.3			
	Low	150	150	85	59	34.3	74	71.0	80.4	77.3			
CAE04A (INCL Mirrored)	High	350	350	85	145	37.5	70.4	72.3	88.8	87	220V~ /50Hz	60	1187x868x246
	Mid	270	270	85	87	34.2	70.3	73.2	94.2	92			
	Low	190	190	85	56	31.4	72.7	76.8	92.5	93.3			



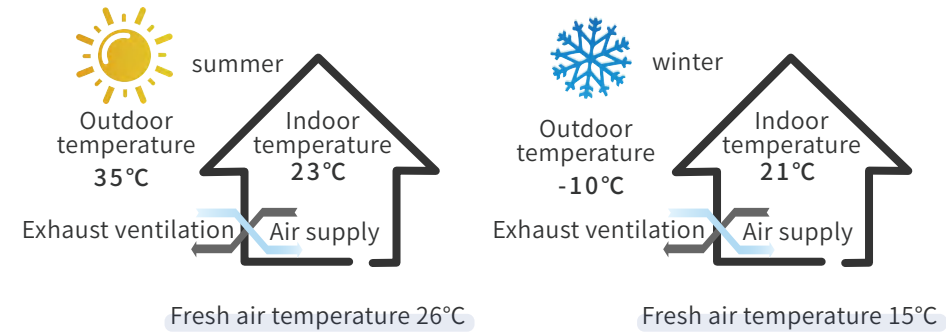
Automatic bypass

The automatic bypass function can be used in spring and autumn to save more energy.



Extra-large hexagonal total heat exchange core body

Washable, anti-virus and anti-bacterial residue.



High and medium efficiency dual filters

F7 + H12 filter combination

The overall purification rate of PM2.5 for the entire machine is $\geq 99\%$.



Intelligent control

1. LED controller:

Intelligent monitoring function, visualized air quality, and automatic purification by the main unit in response to the linkage.

2. Integrate into the whole-house smart ecosystem:

Access the whole-house smart home system via the RS-485 protocol.



DC brushless motor

The noise level is as low as 30.5 dB.



High-quality sheet metal

Hot-dip galvanizing process, corrosion resistance



Fresh
Air



Water
purification



Air
Conditioner



Humidity
control

