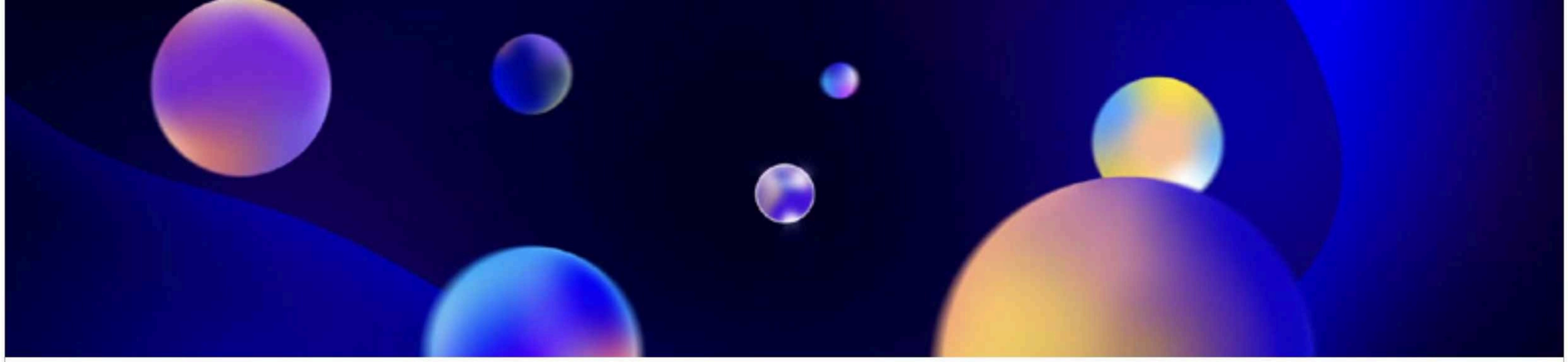
Soniq

Smart Home Solutions
Company Profile



Fresh Air
Ventilation System

Soniq

VENTILATION SYSTEM WITH HEAT RECOVERY

Mechanical supply of fresh air in the dry rooms

Mechanical extraction of used air out of the wet rooms

Dry room:
bedroom, bureau, living room…

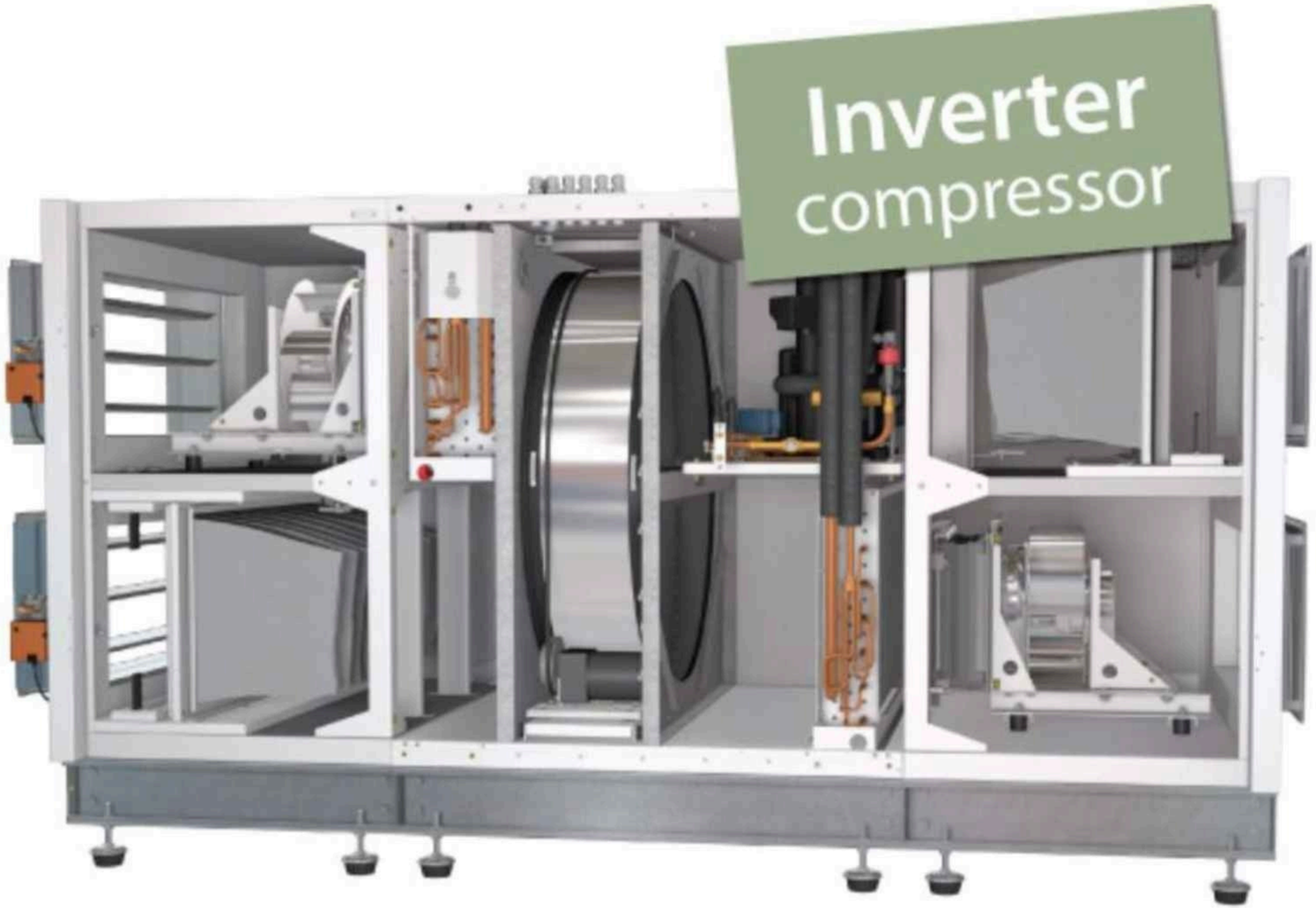
Wet room:
kitchen, bathroom, lavatory, toilet…

Energy saving by high efficiency heat exchanger

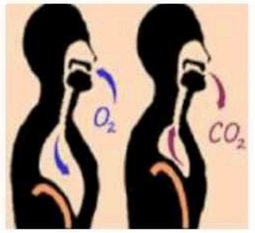
Air distribution through Easyflex channels

Air flow under, above, through doors

THE RHP – PRO SERIES



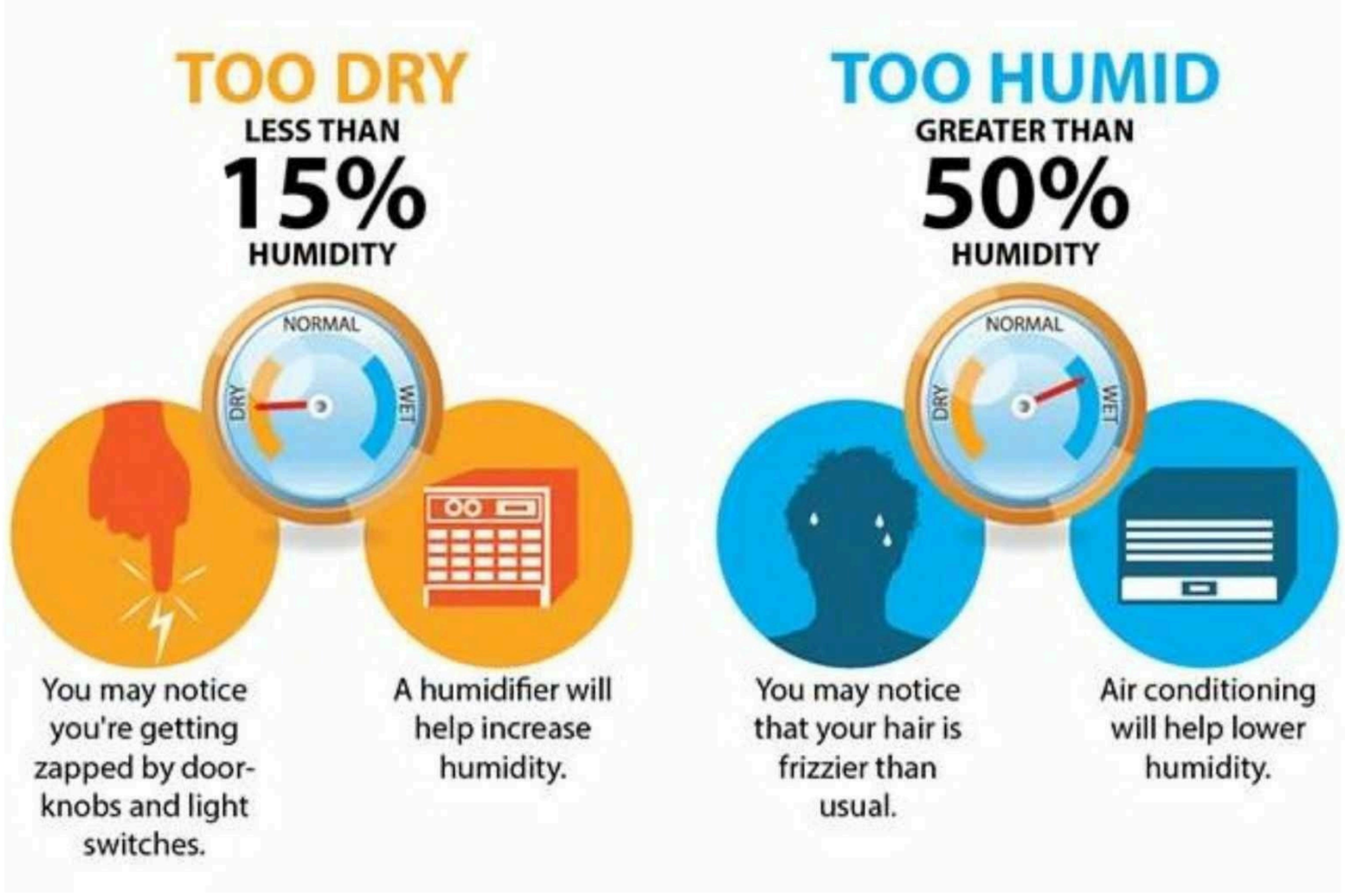
USP's – DEMAND CONTROL

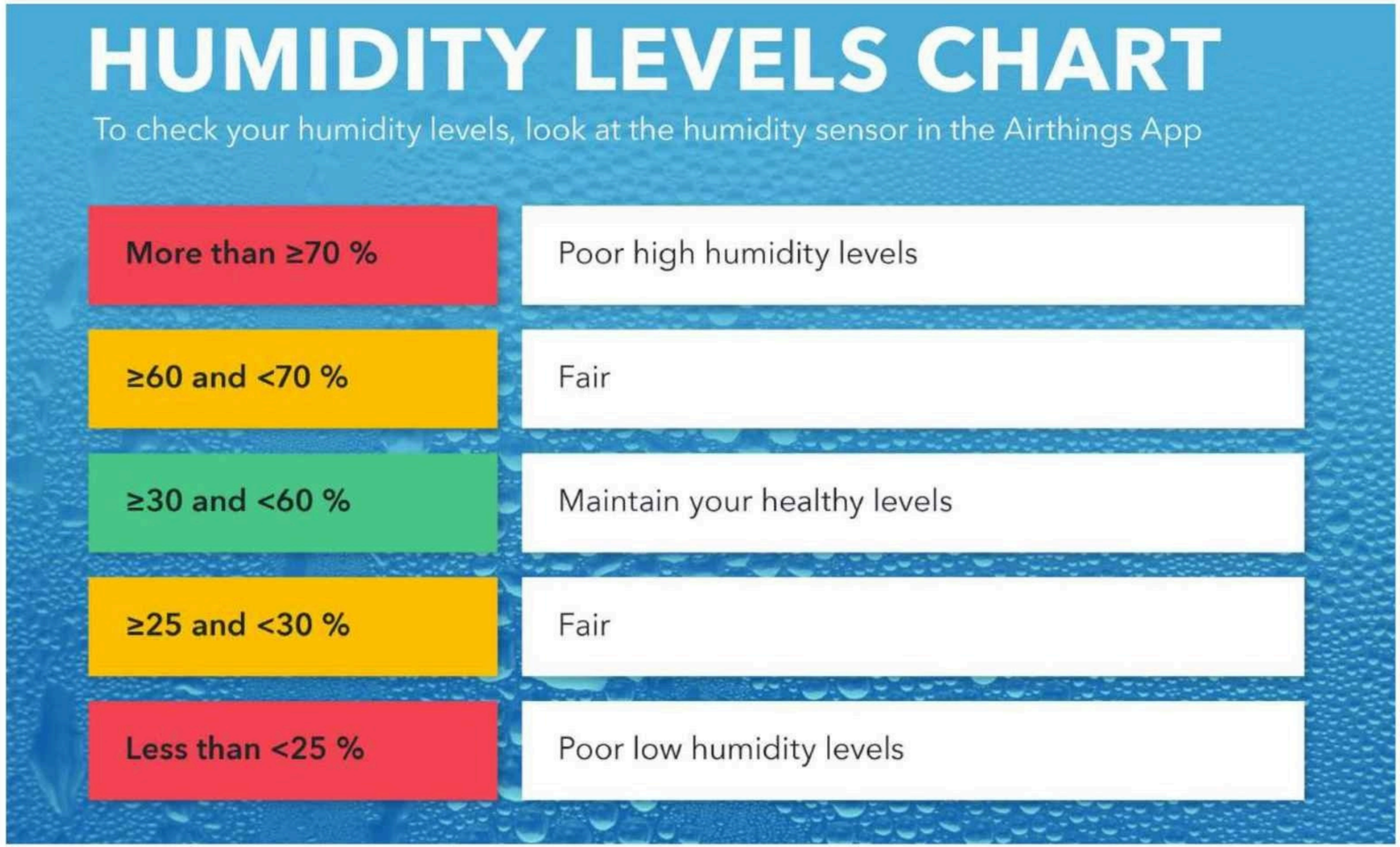


CO_2

VOC
(smell)

Humidity


TOO DRY
LESS THAN
15%
HUMIDITY
NORMAL
DRY
WET
You may notice you're getting zapped by door-knobs and light switches.
A humidifier will help increase humidity.
TOO HUMID
GREATER THAN
50%
HUMIDITY
NORMAL
DRY
WET
You may notice that your hair is frizzier than usual.
Air conditioning will help lower humidity.



Maintains humidity levels

Avoids fungal formation

Leather bags

Jacket

Furniture

Better air Quality

KOMFORT GRE AC

Commercial Space ERV

Features

- The fresh air unit is suitable for the fresh air systems of low-energy buildings, providing efficient heat recovery.
- It is a controllable mechanical energy-saving ventilation system.
- It has a heat recovery function, minimizing heat loss during the ventilation process.
- It balances humidity and regulates the exchange of indoor and outdoor air, creating a separately controllable microenvironment.

Airflow:
Up to 3000 m^3/h

Heat Recovery Efficiency:
Up to 61.3 %

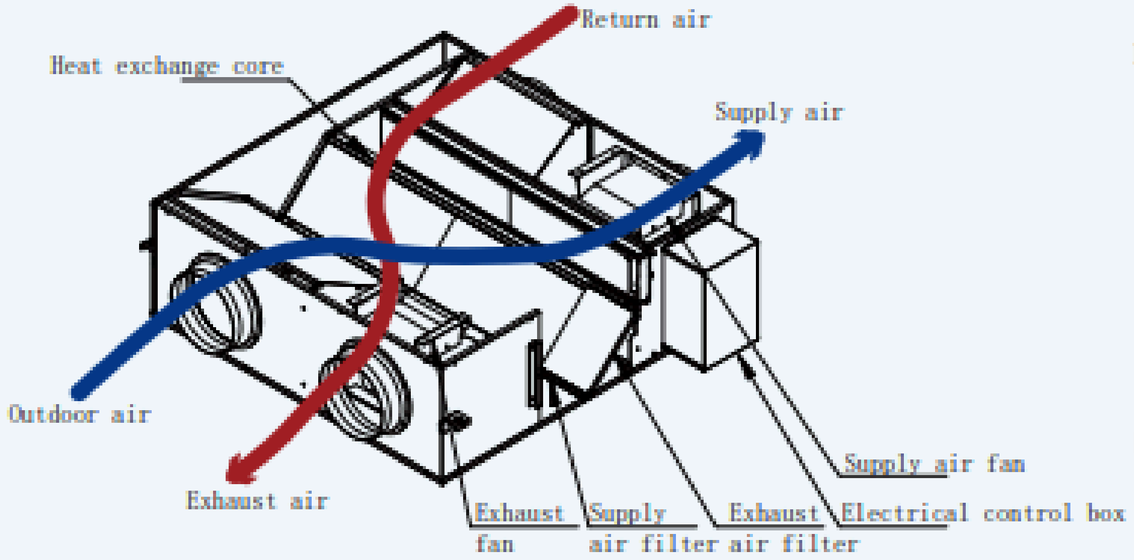
Design

- Constructed with galvanized sheet metal and externally lined with foam for effective thermal insulation and noise reduction.
- Equipped with a total heat exchange core made of high-performance membrane material, offering excellent energy recovery efficiency while improving indoor comfort.
- Modular design with full side access for maintenance — all components are serviceable from the side, eliminating the need for large access panels and simplifying upkeep.

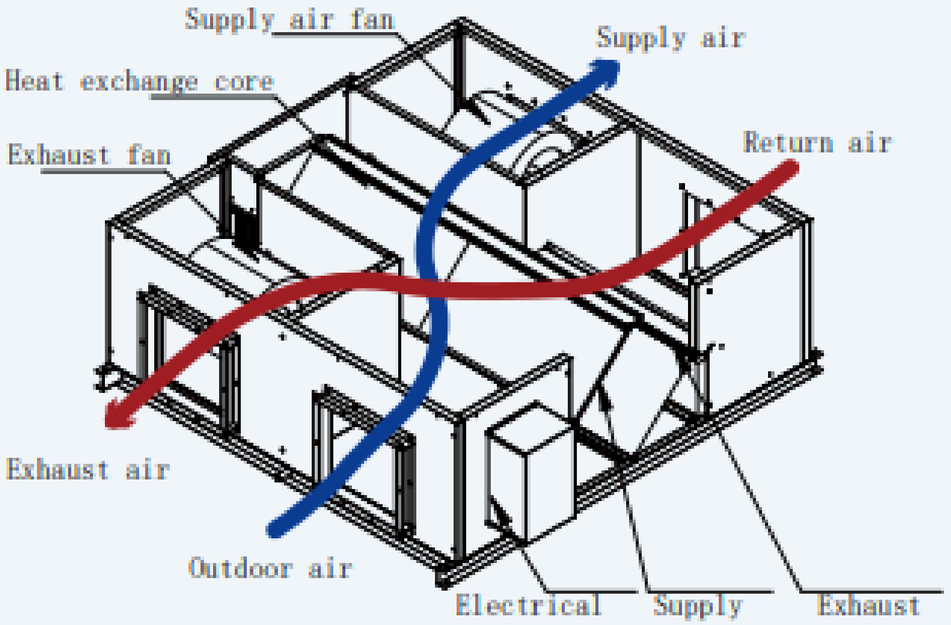
Fan

- High-performance AC fan.
- Dual-inlet, forward-curved centrifugal fan provides powerful airflow at lower rotational speeds.
- Stable AC motor operation with low noise output.
- Dynamically balanced fan for smooth and quiet performance.

KOMFORT GRE AC 1000



KOMFORT GRE AC 1500-5000



Heat Recovery

- Utilizes a counterflow-type total heat exchange core made of advanced polymer membrane.
- All models achieve a total heat exchange efficiency of over 60%, delivering outstanding energy-saving performance.
- Effectively recovers both temperature and humidity, ensuring a comfortable indoor environment.
- Note: The product is designed for total heat recovery. However, under extreme weather conditions, condensation may still occur. To prevent any issues related to condensate, a drainage outlet is reserved in the unit and must be connected to a drainpipe during installation.(This note is usually displayed in a smaller red font.)

Filters

- The unit comes standard with F5 filters on both the fresh air and return air sides.
- If a higher level of fresh air filtration is required, the fresh air filter can be optionally upgraded to an H11 filter.

Control & Automation

- GRE 1000 is equipped with the S42 LCD controller as standard.
  - Power on/off control.
  - Three-speed fan control.
- Indoor Temperature & Humidity Display
  - Filter Replacement Reminder
  - Standard 485 Communication Protocol
- GRE 1500/2000/3000 Control Features
  - Equipped with S43 keyboard switch as standard.
  - 380V power supply.
  - Power on/off function.

Installation

- Install using the mounting brackets on the ceiling.
- During installation, the KOMFORT GRE AC1500/2000/3000 units must account for condensate drainage, with both condensate drainage outlets requiring connection to pipes.
- Sufficient space must be provided at the installation location to allow for future maintenance and servicing.

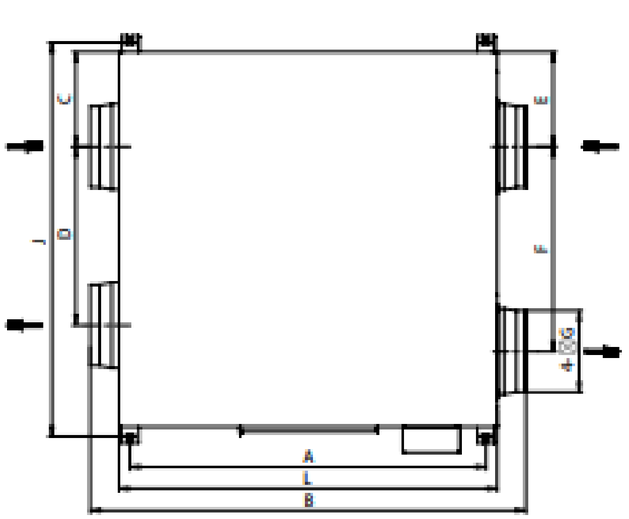
Naming Rule

Series	Motor Type	Installation Method	Nominal Airflow [m³/h]	Maintenance Method
KOMFORT	AC	D: Ceiling-mounted, flange in horizontal direction	1000~3000	Side maintenance

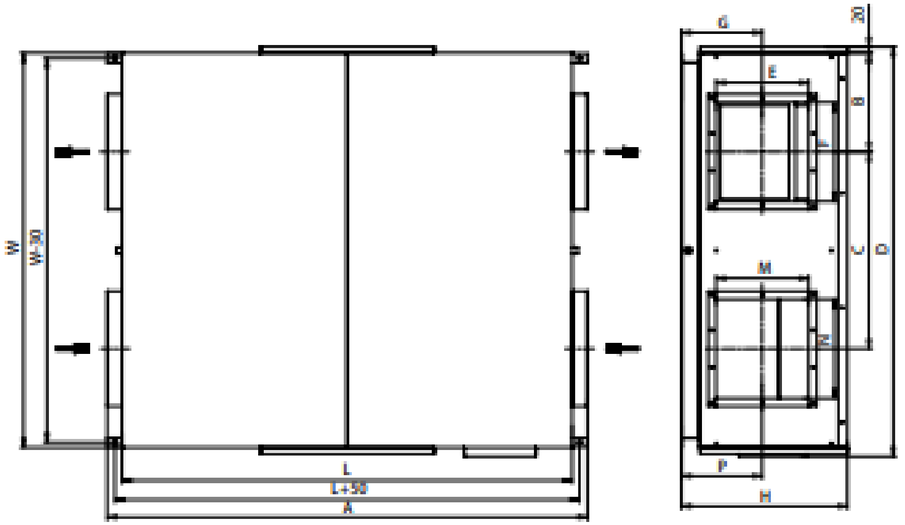
Dimensions

Model	L	W	H	A	B	C	D	E	F	G	J	K	M
KOMFORT GRE AC 1000	1140	1375	390	1070	1310	305	670	385	765	245	1430	1500	195

Komfort GRE AC 1000



Komfort GRE AC1500-3000



Model	L	W	H	A	B	C	D	E	F	G	M	N	P
KOMFORT GRE AC 1500	1450	1270	540	1550	318	635	1320	300	320	260	300	320	260
KOMFORT GRE AC 2000	1495	1470	580	1595	368	735	1520	300	320	260	300	320	260
KOMFORT GRE AC 3000	1625	1470	655	1725	368	735	1520	275	365	325	420	500	330

Technical Specifications

Parameters	KOMFORT GRE AC1000	KOMFORT GRE AC1500	KOMFORT GRE AC2000	KOMFORT GRE AC3000
Rated Power Supply	220V~50Hz	380V~50Hz		
Rated Supply Air Volume [m^3/h]	1000	1500	2000	3000
External Static Pressure of Supply Fan [Pa]	130	160	160	220
Rated Exhaust Air Volume [m^3/h]	1000	1500	2000	3000
External Static Pressure of Exhaust Fan [Pa]	130	150	160	220
Rated Power [W]	530	1260	1210	2350
Total Heat Exchange Efficiency [%]	60.2	61.3	60.5	60.4
Noise Level [dBA]	45	52	57	62
Casing Material	Galvanized Sheet + External Sponge			
Insulation Material	NBR Rubber			
Return Air Filter	F5			
Supply Air Filter	F5 (Optional: H11)			
Weight [Kg]	82	168	192	205
Control Cable Specifications	5*0.75mm^2	2*1mm^2	2*1mm^2	2*1.5mm^2
Power Cable Specifications	3*1mm^2	5*1mm^2	5*1mm^2	5*1.5mm^2

Thank You

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Company Profile

Soniq

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