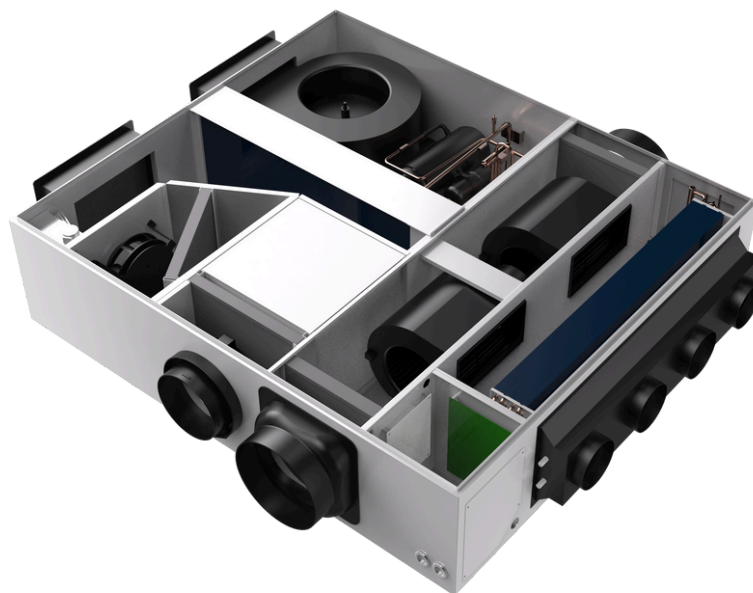




ALL-IN-ONE HEAT PUMP ERV

HEATING, COOLING AND AIR RENEWAL



EXINDA -Innovation in Every Breath

EXINDA AURA Ceiling Ducted Heat Pump ERV

| No Outdoor Unit | Smart Ventilation Technology

12500Btu Cooling Capacity

16500Btu Heating Capacity

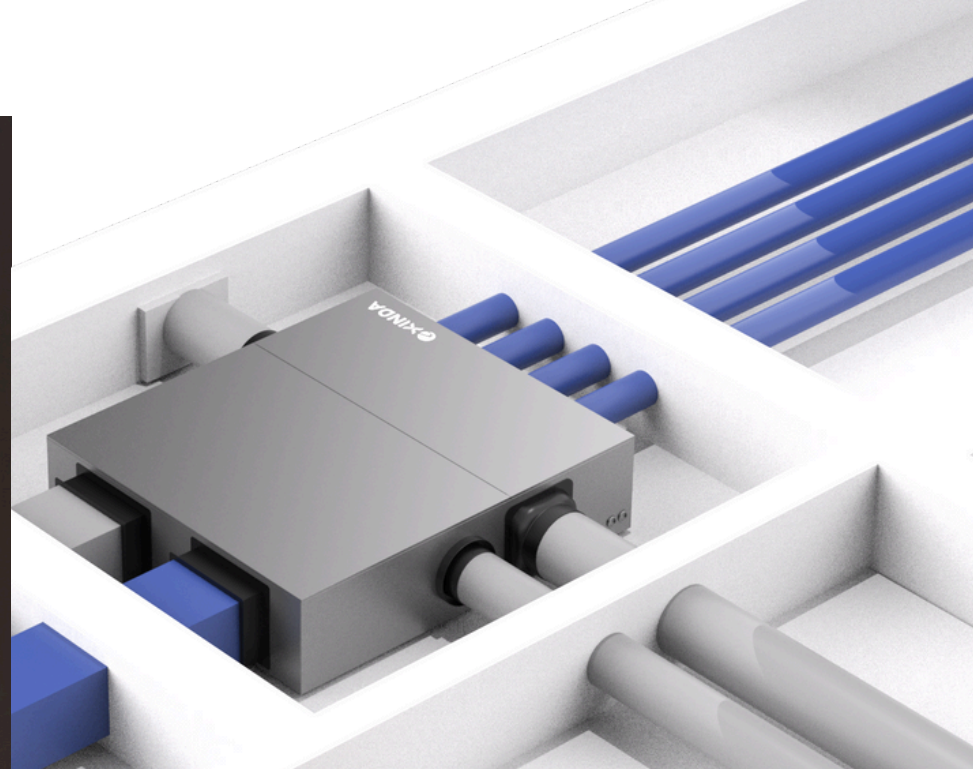
2KW Electric Heater

Smart Comfort. Total Efficiency. All Inside.

The EXINDA AURA is a revolutionary ceiling-ducted system that combines heating, cooling, fresh air ventilation, and energy recovery—all in one compact indoor unit. No outdoor condenser needed. EXINDA brings you unmatched comfort with the smallest installation footprint.

The EXINDA AURA Series sets a new standard for comfort and ventilation—delivering quiet, efficient performance without compromise. By seamlessly integrating heating, cooling, fresh air ventilation, and energy recovery into a single, ceiling-mounted system, AURA is the perfect solution for homes and buildings where outdoor space is limited and indoor air quality is crucial.

Engineered for Nearly Zero Energy Buildings (nZEB), this system continuously monitors and adjusts all comfort parameters in real time—keeping your indoor environment at its best while minimizing energy consumption.



All-Season Climate Control

This system provides both heating and cooling, offering precise temperature regulation all year round. Perfect for homes, apartments, and light commercial spaces that need quiet operation and reliable comfort, no matter the season.

Air Renewal + Dehumidification

Our integrated ventilation technology keeps indoor air fresh while efficiently removing excess humidity. Breathe easier with cleaner, healthier air, all without compromising on comfort or energy efficiency.

Free Cooling Function

Take advantage of naturally cool outdoor air to reduce energy use during mild conditions. Ideal for shoulder seasons or nighttime operation, free cooling helps lower utility costs while maintaining top-notch performance.

Dual Heat Recovery System

Featuring both passive and thermodynamic heat recovery, this system captures and reuses waste energy from stale indoor air. By intelligently recirculating this energy, it reduces strain on compressors, boosting efficiency and lowering your carbon footprint.

EXINDA AURA: Designed for the New Code Reality

The EXINDA AURA Series is revolutionizing HVAC for multi-family living. It integrates heating, cooling, ventilation, and energy recovery into one ceiling-mounted unit per apartment—no shared ductwork or outdoor units required.

One Unit. One Apartment. No More Centre Duct

No Fire Dampers Required

Each apartment is fully independent—eliminating inter-unit fire separation requirements.

No Central Smoke Detection Needed

No shared ventilation system means no central sensor networks or shutdown logic.

Faster Permitting, Easier Approvals

Streamline code compliance and inspections with a self-contained system for each dwelling.

Lower Project Cost

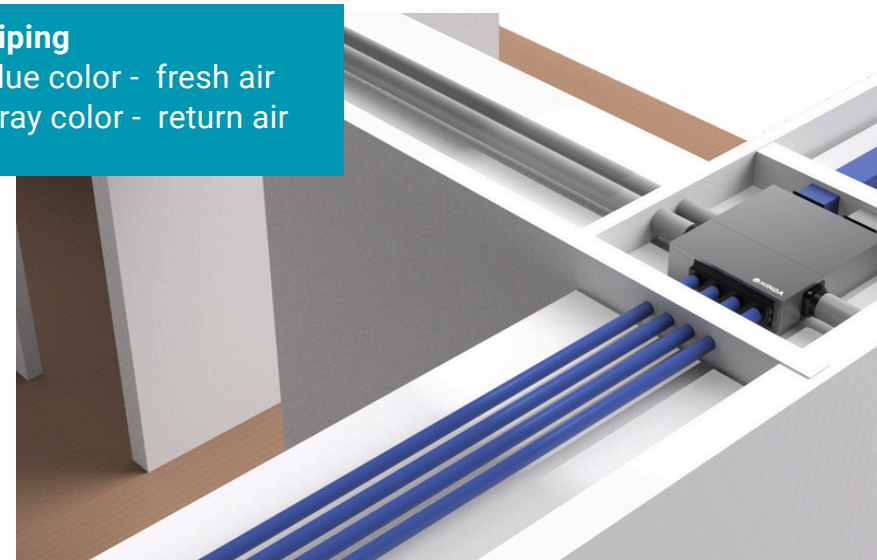
No rooftop units, shafts, dampers, or complex zoning = significant savings on labor and materials.

Premium Air Quality & Comfort

Every unit features MERV 13 filtration, low-noise climate control, and optimized fresh air circulation.

Piping

Blue color - fresh air
Gray color - return air



Technical specifications



General

Electrical	General
Voltage /Hz / Phase	208-240V / 60Hz / 1 Ph
Power supply	Hardwire only
Electric heater (W)	2000
HPERV Cooling capacity 35°C / 95°F (Rated Btu)	12500
HPERV Heating capacity 8°C / 47°F (Rated Btu) Max	23365
HPERV Heatling capacity Heating -5°C / 23°F (Rated Btu) Max	21865
HPERV Heatling capacity Heating -15°C / 5°F (Rated Btu) Max	16565
MCA (HPERV +electric heater)	20
MOP (Max)	25

Air flow

Exchange core	ERV enthalpy exchanger
Air Flow (CFM)	50-100
Sensible recovery efficiency at 0°C /32 °F	75%
Sensible recovery efficiency at -25°C /-13°F	60%
Total recovery efficiency at 35°C /95 °F	50%
Filter Indoor air	MERV 13
Filter FA & EA	MERV 8 (washable)
Motor	ECM
ASHRAE compliance	62.1 and 62.2 when used with ERV

Physical data

Dimension (W*D*H)	Weight
Net 44-11/16 * 39-3/16 * 11-1/8in	185 lb
Gross 56-1/2 * 47-1/3 * 19-1/2in	205 lb

Sound

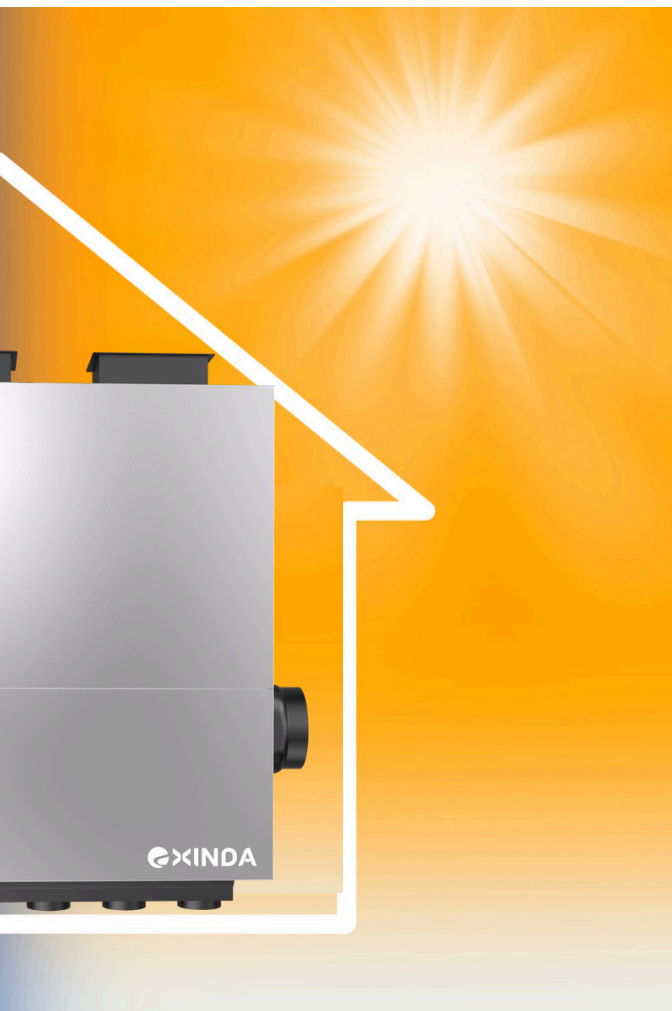
Sound	General
Indoor dB(A) ,sound pressure at 1 meter distance	48
Speed dB(A), sound pressure at 3 meter distance	43

HEATING PERFORMANCE



Heating condition	Indoor 21°C / 70°F, Outdoor 8 °C / 47 °F Relative Humidity 40%	Indoor 21°C / 70°F Outdoor -5°C / 23 °F Relative Humidity 50%	Indoor 21°C / 70°F Outdoor -15°C / 21 °F Relative Humidity 50%
Capacity Range (Btu/h)	6800 to 16 000	6800 to 16 500	3000 to 16500
Rate Capacity (Btu)	14000	11500	6200
ERV airflow (CFM)	100	100	100
ERV recovery (Btu)	2500	3500	3500
Total HPERV rate capacity (Btu)	16500	15000	9700
Input Power (W)	1300	1350	1280
COP	3.72	3.25	2.22
Electric heater (Btu)	6865	6865	6865
Input Power (W)	2000	2000	2000
Total heating capacity HPERV+Electric heater	23365	21865	16565
Total input power HPERV+Electric heater	3300	3350	3280





COOLING PERFORMANCE

Cooling 35°C / 95°F	Indoor 27°C / 80°F Outdoor 35 °C / 95°F Relative Humidity 40%
Capacity Range (Btu/h)	6800 to 16 000
Rate Capacity (Btu)	11000
ERV airflow (CFM)	100
ERV recovery (Btu)	1500
Total HPERV rate capacity (Btu)	12500
Input Power (W)	1160
EER	3.15

Wire controller

Display status and alarms



Alarm indication



Flashing with closed CP contact. Lit for alarm indication



Summer mode active



Winter mode active



Unit in stand-by mode



Auto function



Rated ventilation speed activated



Maximum ventilation speed activated



The remote control can also be installed in a mechanical room. The room temperature, as well as the humidity and quality of the air (VOC+C02), are measured on the air extraction fitting of the unit.

Keypad functions



Decrease or increase the set temperature



Allows you to change the operating mode between summer and winter.



Allows the control panel to be switched on or put into stand-by mode.

AUTO

Makes ventilation speed adjustment fully automatic according to IAQ values is RH%.

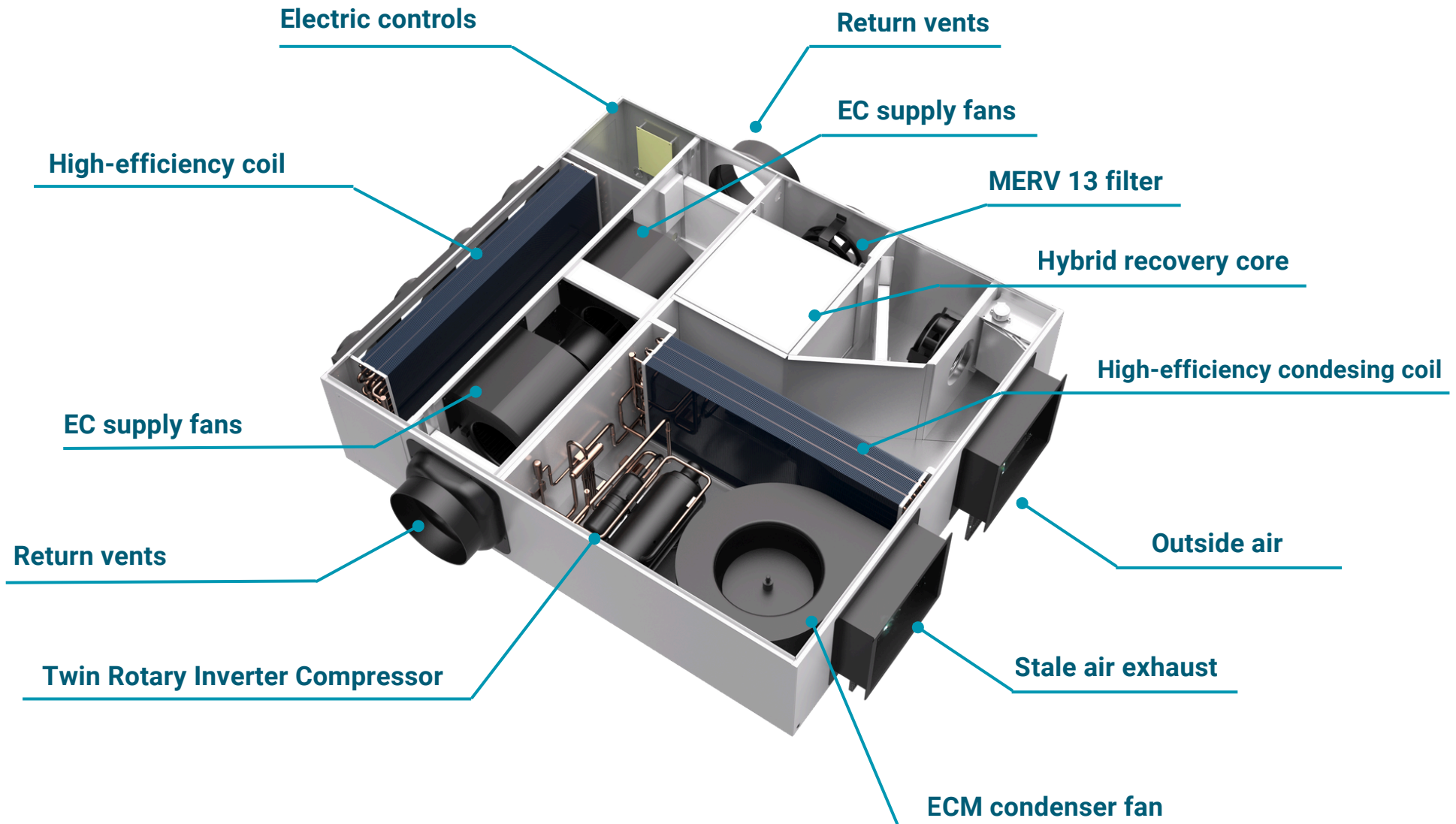


Allows you to set the rated ventilation speed.



Allows you to set the maximum ventilation speed.

Main internal components



Horizontal DC Inverter Compressor

- **Compact & Efficient:** At just 11-1/8in inches tall, this unit fits in tight spaces while providing powerful performance.
- **Wide Power Range:** Modulates from 30% to 100% power, adapting to different heating and cooling needs for energy savings.
- **Vibration-Free:** Advanced motor control technology eliminates vibrations, ensuring quiet and reliable operation.

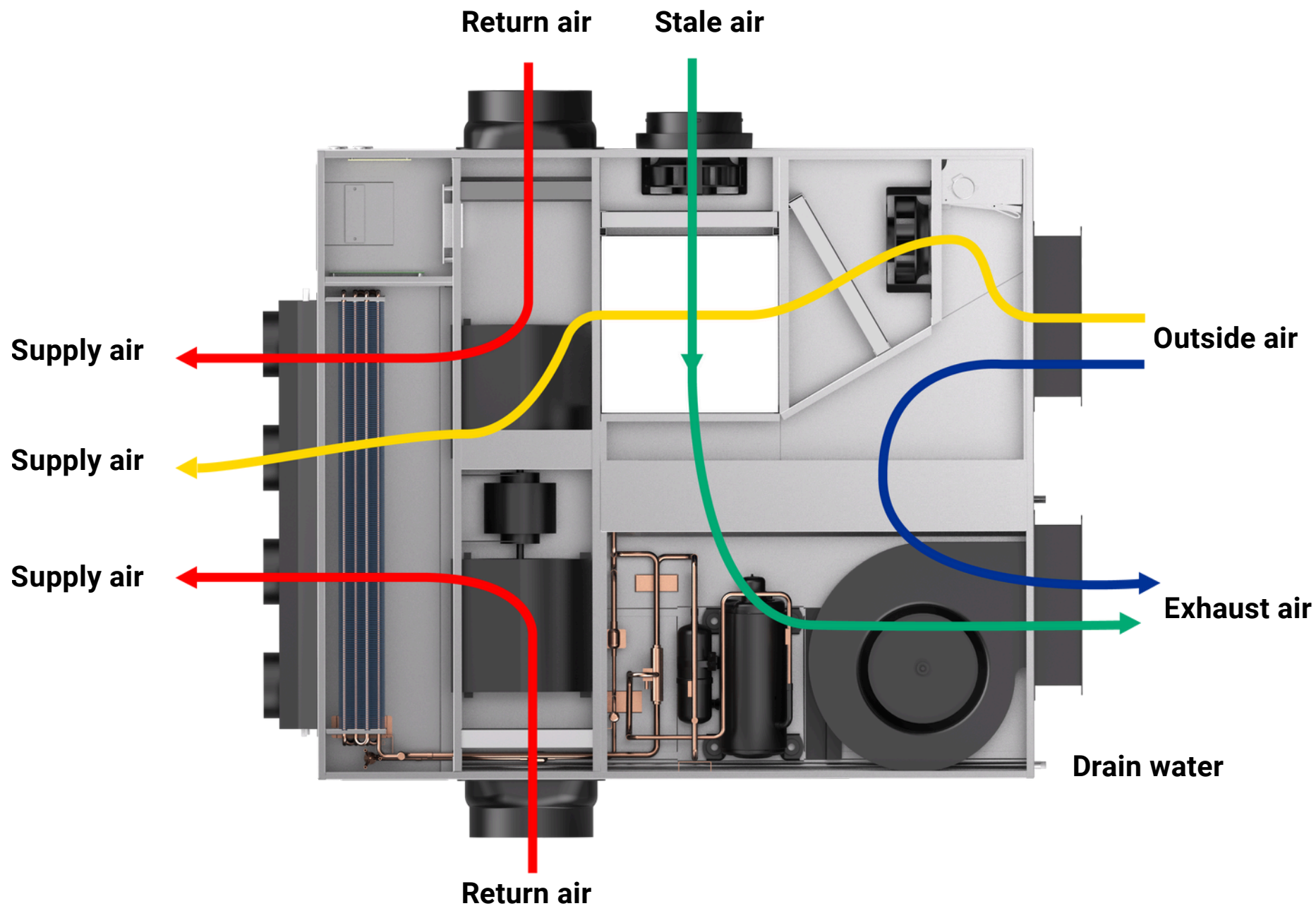
ERV with Preheat for Defrost

Preheat for Cold Weather: prevents ice buildup and ensures efficient defrosting in low temperatures, maintaining optimal performance.

Optional Electric Heater for Cold Climates

Extra Heating for Extreme Cold: For outdoor temperatures below -10°C (14°F), the optional electric heater ensures the system continues to operate effectively by preheating the incoming air

Air flows



Extremely slim

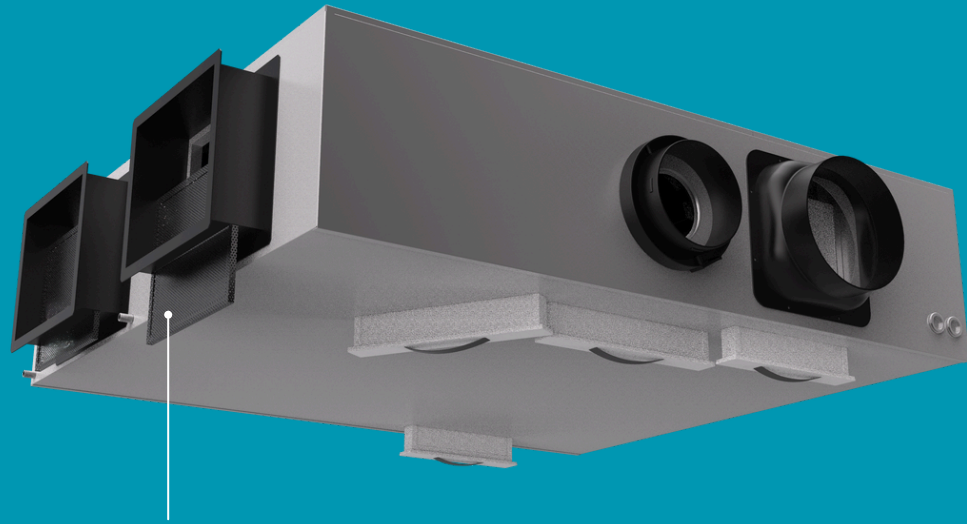


- A mere **11-1/8in** height, extremely slim compact design
- In compact aggregates, the electrical consumption of the fans makes up for roughly **50%** of the unit's overall consumption
- EXINDA AURA series can be installed in the home's suspended ceilings in a centre position, so as to minimise the length of the aeraulic pipes

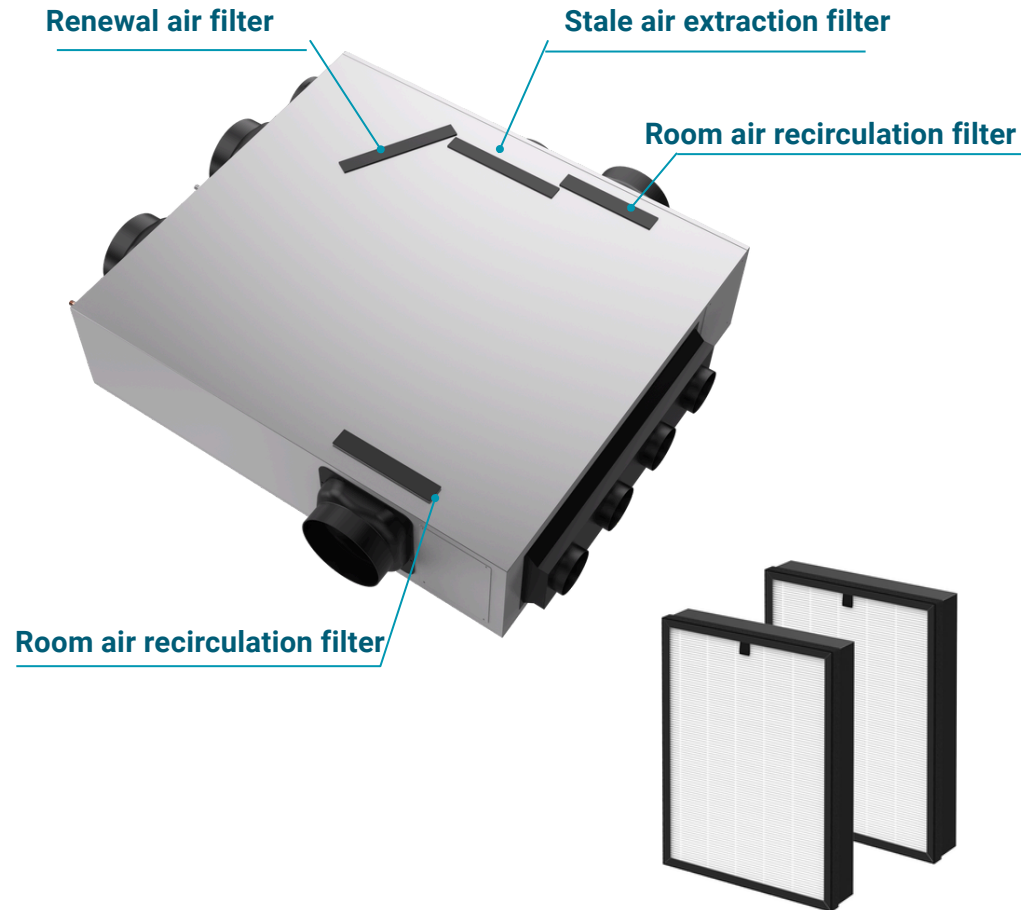
Accessibility



Exinda Air Filtration System – Clean Air, Reliable Performance



- **Innovative Filter Design:** The bottom-mounted filter is easy to remove for quick cleaning, preventing dust buildup that could block airflow and reduce efficiency.
- **Air Inlet Protection:** An additional inlet filter keeps the condenser free from dust accumulation, ensuring clean ventilation and long-term reliable performance.
- **Fresh Air Filtration:** Cleans incoming air for a healthier environment.
- **Indoor Air Filtration:** Protects the core from dust, ensuring better efficiency.
- **Return Air Filtration:** Prevents dust buildup, extending the system's lifespan.
- **Efficient & Low Maintenance:** The MERV13 filters enhance air quality and reduce maintenance, ensuring long-lasting, energy-efficient performance.



Filter efficiency: ePM1 80%

Captures 80% of the particulate with 1-micron size

Suggested clean filter in each 3 month

