

**110**<sub>CFM</sub>  
Max Airflow

# Comfort Fresh Air Energy Recovery Ventilator

**Wi-Fi**

**92%**<sup>up to</sup>

Temperature  
Efficiency



**NEW**  
**ARRIVAL**  
Energy Recovery Ventilator

**CFAU90T** (Top Port)

**CFAU90S** (Side Port)



**ULTRA-SLIM 9" PROFILE**  
*Fits between joists for ceiling mount*



**ELECTRIC HEATER READY**  
*Optional in-duct heater for extreme cold*



**LCD SMART CONTROLLER (OPT.)**  
*4 modes, weekly schedule, OA display*



**SMART SENSORS (OPT.)**  
*CO<sub>2</sub> + humidity demand ventilation*



**CO<sub>2</sub> & HUMIDITY CONTROL (OPT.)**  
*Monitor indoor CO<sub>2</sub> and humidity levels in real time and control the operation of the machine*



**Wi-Fi READY (OPT.)**  
*App control from anywhere*

# FEATURES

## ► HIGH EFFICIENCY ENERGY RECOVERY CORE

- Sensible + latent recovery
- 5<sup>th</sup> generation thinner membrane with better thermal conductivity and higher efficiency
- Mildew resistant
- Fire retardant

## ► MOTORS & AIRFLOW

- High-efficiency, thermally protected
- Backward-curved centrifugal fans
- 100% electronic speed balancing
- Pressure ports for field balancing

## ► EASY INSTALLATION

- Ceiling / suspended / joist mount
- Side Port or Top Port
- No drain required
- No balancing dampers needed

# COLD CLIMATE PROTECTION



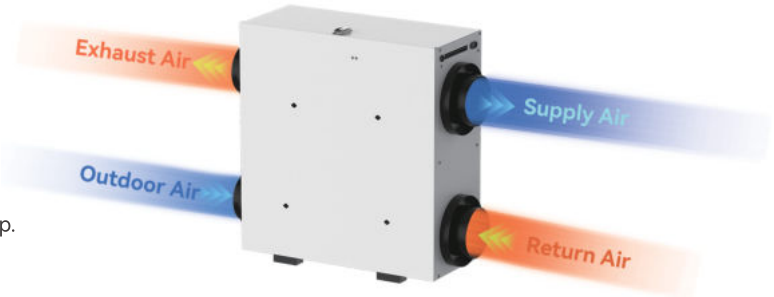
### AUTO DEFROST (Standard)

Activates below set temp (adjustable). Optimized airflow cycles protect the core.



### ELECTRIC HEATER (Optional)

In-duct heater auto-controlled by OA temp. Built-in safety interlocks.



# CONTROL OPTIONS

## PUSH-BUTTON TIMER (Standard)

- Decora-style single button
- Intermittent / Continuous / Timer 20/40/60 min / Standby
- Auto-recovery after power outage
- Fault alarm
- RS485
- External ON/OFF
- Running Signal Output
- Fan boost input



## LCD SMART CONTROLLER (Optional)

- **4 Modes:** Continuous / Intermittent / 4-Period Schedule / Manual
- **Boost:** High-speed 20/40/60 min, auto-returns to previous mode
- **Weekly Timer:** 4 periods/day × 7 days, independent SA/EA speed
- **Display:** OA temp, clock, mode, fan speed, fault codes
- **CO<sub>2</sub> Override\*:** Auto max speed when CO<sub>2</sub> > setpoint (800–2000 ppm adj.)
- **Humidity Override\*:** Auto max speed when RH > setpoint (50–100% adj.)
- **Heater Control\*:** Auto on/off by OA temp, safety interlocks built in
- **Filter Reminder:** Countdown (60–180 days) or ΔP switch
- **Other:** Timer on/off / Child lock / Power recovery / 11 fault codes (E0–E10)

\* Requires optional sensor/module



# SPECIFICATIONS

**Model:** CFAU90T (Top Port) / CFAU90S (Side Port)

Max. Airflow	110 CFM @ 0 in.w.g.	Input Power	57W
Temperature Efficiency	80–92%	Dimensions (L×H×D)	533 × 564 × 229 mm (21" × 22-3/16" × 9")
Enthalpy Efficiency (heating)	70–81%	Net Weight	36.38 lbs / 16.5 kg
Enthalpy Efficiency (cooling)	59–65%	Duct Connection	Ø124 mm (4-7/8") — 4 ports
Power Supply	110V/60Hz/1Ph	Filters	2 × charcoal (replace every 6 months)



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