

Ceiling Ducted Heat Pump ERV

Model No. : ICMPCGFF1AYE

The EXINDA AURA is a revolutionary ceiling-ducted system that combines heating, cooling, fresh air ventilation, and energy recovery—all in a single, compact indoor unit with no outdoor condenser required. EXINDA delivers unmatched comfort with the lowest installation footprint. Smart Comfort. Total Efficiency. All Inside.



13,100 Btu/h Cooling Capacity

18,500 Btu/h Heating Capacity

3 kW Electric Heater

- **All-Season Climate Control** - Delivering both heating and cooling, this system ensures precise indoor temperature regulation – no matter the season. Ideal for homes, apartments, and light commercial applications seeking silent performance and consistent comfort.
- **Air Renewal + Dehumidification** - Integrated ventilation technology continuously refreshes indoor air and removes excess humidity. Enjoy cleaner, healthier indoor air without sacrificing efficiency or comfort.
- **Free Cooling Function** - Harness naturally cool outdoor air to reduce energy consumption during mild conditions. Perfect for shoulder seasons or nighttime operation, free cooling helps lower utility costs without compromising performance.
- **Dual Heat Recovery System** - With passive and thermodynamic heat recovery, the unit captures and recycles waste energy from stale indoor air. This intelligent recirculation minimizes load on compressors, delivering maximum energy efficiency and lower carbon footprint.
- Unit certified to UL 60335-2-40 (Safety)

Technical specifications

General

Electrical	General
Voltage / Hz / Phase	208-240 V / 60 Hz / 1 Ph
Power supply	Hardwire only
Electric heater (W)	3,000
HPERV Cooling capacity 35°C / 95°F (Rated Btu/h)	13,100
HPERV Heating capacity 8°C / 47°F (Rated Btu/h) Max.	18,500
HPERV Heating capacity Heating -5°C / 23°F (Rated Btu/h) Max.	18,412
HPERV Heating capacity Heating -15°C / 5°F (Rated Btu/h) Max.	19,936
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 6 (washable)
Motor	ECM
ASHRAE compliance	62.1 and 62.2 when used with ERV

Physical data

Dimensions (W × D × H)	Weight
Net 46 × 45-11/16 × 11-1/8 in	205 lb
Gross 48 × 48 × 18-1/8 in	316 lb

Sound

Sound	General
Indoor dB(A), Sound Pressure Level at 1 meter distance	48
Speed dB(A), Sound Pressure Level 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 / 5 °F Relative Humidity 50%
Capacity Range (Btu/h)	14,000 to 17,000	6,800 to 16,500	3,000 to 16,500
Rated Capacity (Btu/h)	16,000	11,500	6,200
ERV airflow (CFM)	100	100	100
ERV recovery (Btu/h)	2,500	3,500	3,500
Total HPERV Rated Capacity (Btu/h)	18,500	15,000	9,700
Input Power (W)	1,700	1,350	1,280
COP	3.2	3.25	2.22
Electric Heater Capacity (Btu/h)	/	3,412	10,236
Input Power (W)	/	1,000	3,000
Total heating capacity HPERV+Electric heater	18,500	18,412	19,936
Total input power HPERV+Electric heater	1,700	2,350	4,280

Notes:

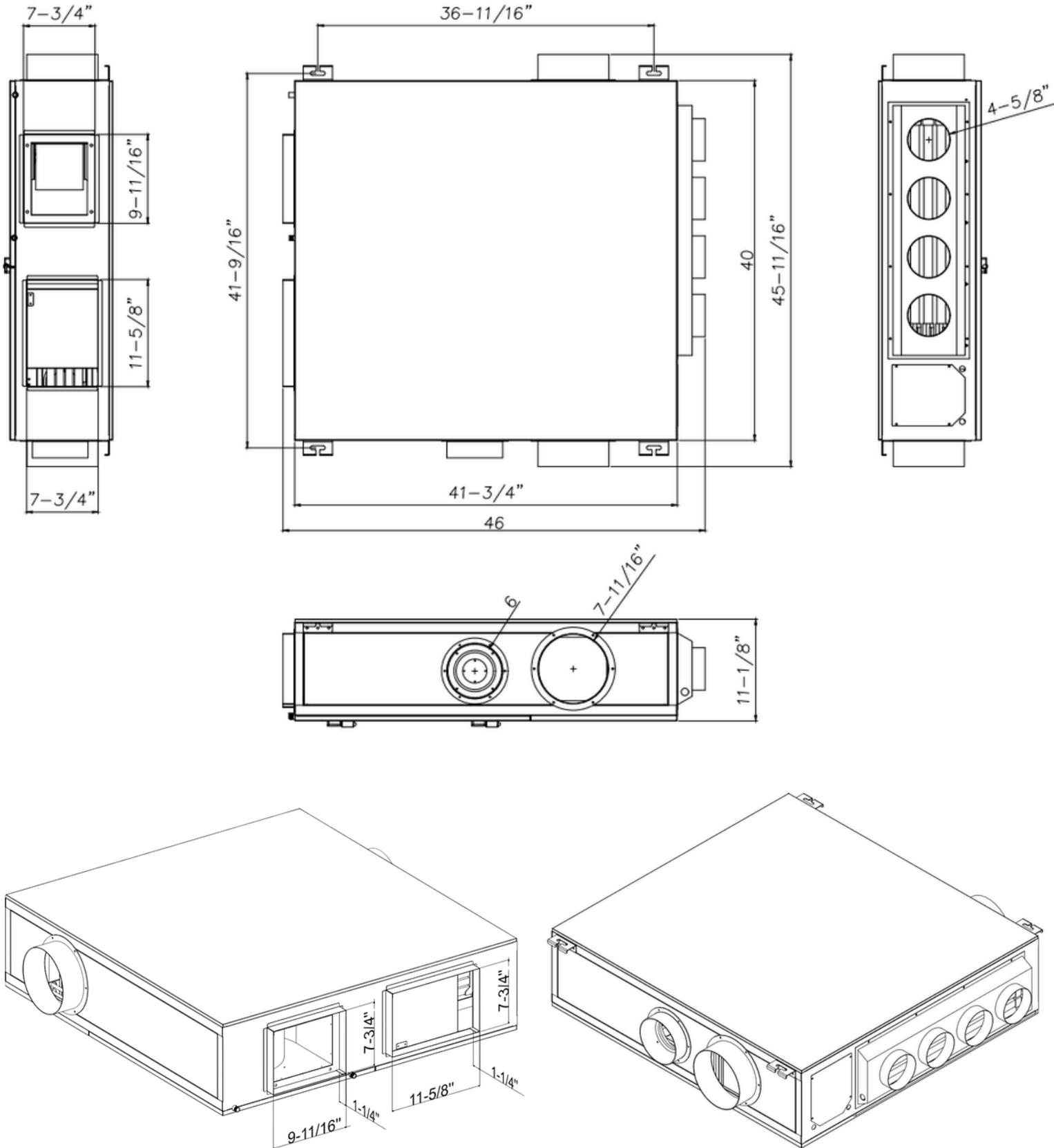
The 1 kW electric heater activates at 23°F

The 3 kW electric heater activates at 5°F

COOLING PERFORMANCE

Cooling 35°C / 95°F	Indoor 27°C / 80°F Outdoor 35 °C / 95°F Relative Humidity 40%
Capacity Range (Btu/h)	8,000 to 14,000
Rated Capacity (Btu/h)	11,600
ERV airflow (CFM)	100
ERV recovery (Btu/h)	1,500
Total HPERV Rated Capacity (Btu/h)	13,100
Input Power (W)	1,315
EER	9.96

Dimension Drawing



Unit: inch