

REZNOR®



High Efficiency Hybrid Ventilation Units

The Energy Edge



What is the Reznor Edge?

Z.62e Ventilation Unit

Reznor Edge: Superior year round high efficiency ventilation to meet ASHRAE 189.1, 62.1 & 90.1. It is ideal for classroom, data center battery rooms, office space, retail, theatres, gymnasiums and other occupied spaces.

The unit is the perfect complement for ductless system designs requiring reliable and efficient ventilation air.



Ventilation Unit Performance Comparison

		Operational Conditions			Capacity		EER		
		Entering Fresh Air Conditions	⇒	Supply Air To Space	Conventional Unit	Z.62e	Conventional Unit	Z.62e	Difference
Cooling Mode	Day								
	Design Day	98°F/78°F	⇒	62°F/58°F	100%	70%	11.2	19.4	+73%
	Summer Hot	85°F/69°F	⇒	70°F/61°F	53%	36%	10.8	12.2	+13%
	Summer Mild	80°F/66°F	⇒	75°F/62°F	40%	0%	10.5	Wheel Only	100%
	Rainy	68°F/68°F	⇒	70°F/62°F	48%	20%	10.0	11.5	+15%
							Combustion Efficiency		
Heating Mode	Fall/Spring	55°F/42°F	⇒	68°F	19%	0%	76%	Wheel Only	100%
	Winter Mild	32°F/31°F	⇒	70°F	48%	20%	77%	6.3	+75%
	Winter Cold	17°F/16°F	⇒	70°F	66%	37%	78%	8.4	+81%
	Deep Freeze	0°F/-1°F	⇒	70°F	88%	64%	79%	9.3	+83%
	Design Day	-10°F/-11°F	⇒	70°F	100%	57%	80%	3.4	+53%

- **Lowest Operational Cost**

- » LEED points

- **Easy Air Flow Balancing**

- » Measure cfm at the unit pressure ports and set fan speed using unit mounted display (reduces wasted fan energy)

- **Uses Demand Control:**

- » Your choice of CO₂, time schedule, VOC occupancy sensor, and/or BacNet

Features

- ▶ Modulated DX (10-100% Capacity Control)
- ▶ Total Enthalpy Wheel
- ▶ Speed Controlled ECM Fans & Motor
- ▶ Convertible Discharge & Return
- ▶ Hoods & Dampers
- ▶ Unit Mounted Disconnect
- ▶ Double Wall Construction
- ▶ Unit Mounted Control Display
- ▶ MERV 8 Filters
- ▶ Revit Models
- ▶ 500 - 1,500 cfm @ 1" ESP

NOTES:

The table above compares a Reznor Z.62e series ventilation unit with a 3.5 ton heat pump vs. a conventional air handler with 8.6 tons of cooling and 130 MBH of natural gas heating.

Values based upon 1200 cfm, 75/62 (summer/cooling) and 70/53 (winter/heating) return air conditions, and external static of 0.5".

Values will vary based upon application specific influences.

COP = Coefficient of Performance

Capacity shown is the percentage of the unit capacity required to meet listed conditions.

For complete catalog information including submittals, energy calculations, dimension drawings, and more go to www.ReznorHVAC.com or call 800-695-1901.