

ARI Inside



A Participating Corporation in the ARI 1060 Certification Program

What is it?

Proof that the energy recovery ventilator contains an ARI Standard 1060 **certified** energy transfer component (wheel, plate or heat pipe).

Certified for what?

- 1) Energy Transfer Effectiveness (sensible, latent, and total)
- 2) Cross leakage
- 3) Pressure drop

Why is this important?

So that engineers and owners can be assured that they are actually getting the published performance.

Unfortunately, some manufacturers publish non-certified energy transfer ratings that are as much as 15 percentage points above actual performance.

True or False?

The following statements mean the same thing:

- A) . . . tested in accordance with ARI Standard 1060
- B) . . . Certified to ARI Standard 1060

False: “Certified” means actively policed by ARI, including annual check tests. “In accordance with” means basically nothing.

What should you do?

Get “ARI Certified” spec’d!

Protect your customers and keep our competitors honest.

For more information:

www.ari.org/directories/erv

Get these spec’d, also!

AMCA Licensed
Air Performance

UL Listed



Energy Recovery Quick Reference Guide

	ERM	MiniVent	ERV	ERH	HRE	ERCH	ERT
Recovery							
Sensible (polymer)	X	X	X	X	X	X	X
Latent (silica gel)	X	X	X	X		X	X
Heating Options							
Hot Water				X	X	X	X
Indirect Gas				X	X	X	
Electric				X	X	X	X
Wrap Around Heat Pipe							X
Cooling Options							
Chilled Water						X	X
Direct Expansion (DX)						X	x
Direct Evap.					X		
Indirect Evap.					X		
CFM Maximum							
	10,000	750	12,000	10,000	10,000	10,000	10,000
Blower Type							
Forward Curved		X	X	X	X	X	
Backward Inclined							X

ERM - Energy recovery module utilized in built-up ventilation systems to reduce tonnage requirements.

MiniVent - Low cost, indoor unit designed to reduce tonnage requirements to a single dedicated space such as a classroom or conference room.

ERV - Complete energy recovery package that significantly reduces tonnage requirements especially in high wet bulb design areas such as the Southeast.

ERH - Combines energy recovery with additional capacity for post-heat for areas such as the Midwest.

Model Size	CFM Max	ERM	MiniVent	ERV	ERH	HRE	ERCH	ERT
		Energy Recovery Only						
450	450		X					
750	750		X					
251	1100			X				
361	2200	X		X				
521	4300			X				
581	5800			X				
522	9000			X				
582	12000			X				
		Tempered Energy Recovery						
20	2200				X	X	X	
45/52	4500	X			X	X	X	X
55/58	6000				X	X	X	X
64	6800	X						X
90/74	10000	X			X	X	X	X

HRE - Recovery unit designed to recover sensible energy and utilize indirect and direct evaporative cooling to cool outdoor air with relatively high dry bulb and low wet bulb designs (West coast states).

ERCH - Significantly reduces tonnage requirements with additional capacity to cool and post-heat allowing 100% processing of outdoor air to desired supply conditions.

ERT - Same benefits as ERCH but designed with backward inclined blowers to allow for higher external static pressure requirements. Wrap around heat pipe option.