

Comparison Performed By  UltimateAir®

Manufacturer	Model Number	Overall Flow Rate (CFM)	Air Filtration	Flow (CFM)		Power (Watts)	Fan Efficacy (W/CFM)	Sensible Recovery Efficiency	Apparent Sensible Effectiveness	Defrost Temp (F°)	Type of defrost
				heating (lo)	heating (hi)						
Airia Brands, Inc	155 ECM	40-145	foam filter	heating (lo)	66	33	0.50	66%	72%	25	No Defrost (only effective above 25°)
				heating (hi)	118	67	0.57	64%	69%		
				cooling	66	33	0.50	18%*	-		
Airia Brands, Inc	200 ERV	75-145	foam filter	heating (lo)	66	68	1.03	72%	81%	25	No Defrost (only effective above 25°)
				heating (hi)	116	97	0.84	69%	76%		
				cooling (lo)	65	64	0.98	47%*	-		
				cooling (hi)	117	98	0.84	50%*	-		
Aprilaire	8100	120	metal screen	heating	This information unavailable				77%	n/a	No Defrost
				cooling					-		
American Aldes	LT15	60-158	MERV 6	heating (lo)	67	78	1.16	66%	76%	27	at 27°, recirculates 2/20 minutes
				heating (hi)	118	110	0.93	60%	68%		
				cooling	66	74	1.12	20%*	-		
Broan	ERV 100 HC	60-142	30 ppi foam	heating (lo)	64	62	0.97	68%	80%	23 -17	at 23°, recirculates 6/32 minutes at -17° recirculates 6/20 minutes
				heating (hi)	131	124	0.95	67%	73%		
				cooling	64	60	0.94	49%*	-		
Broan	HRV 100H	64-146	30 ppi foam	heating (lo)	64	54	0.84	75%	83%	23 -17	at 23°, recirculates 6/32 minutes at -17° recirculates 6/20 minutes
				heating (hi)	138	124	0.90	64%	72%		
Fantech, Inc	SHR 3005R 2 core	65-231	Electrostatic	heating (lo)	64	126	1.97	76%	91%	23	at 23°, recirculates 5/30 minutes returns to normal cycle @ 32°
				heating (hi)	157	262	1.67	78%	91%		
				cooling (lo)	115	206	1.79	18%*	-		
				cooling (hi)	159	260	1.64	17%*	-		
Fantech, Inc	VHR 2005R	60-200	Electrostatic	heating (lo)	65	108	1.66	62%	77%	23	at 23°, recirculates 5/30 minutes returns to normal cycle @ 32°
				heating (hi)	191	246	1.29	60%	71%		
Renewaire LLC	EV 200	100-200	MERV 8	heating	181	157	0.87	78%	85%	n/a	No Defrost
				cooling	180	155	0.86	52%*	-		
Ultimate Air	Recoup-Aerator 200DX	70-200	MERV 12	heating (lo)	65	48	0.74	83%	96%	12	Modulated Heat
				heating (hi)	205	260	1.27	81%	93%		
				cooling (lo)	64	50	0.78	53%*	-		
				cooling (hi)	134	121	0.90	44%*	-		
VanEE	2001 ERV	110-201	30 ppi foam	heating (lo)	110	93	0.85	69%	76%	23 5	at 23°, recirculates air 6/32 minutes at 5°, recirculates air 6/20 minutes
				heating (hi)	203	193	0.95	60%	68%		
				cooling	106	89	0.84	41%*	-		
Venmar Ventilation	AVS HRV EKO 1.5	40-157	MERV 9	heating (lo)	49	24	0.49	75%	83%	23 -17	at 23°, recirculates air 7/25 minutes at -17°, recirculates 10/22 minutes
				heating (hi)	122	54	0.44	67%	72%		
Venmar Ventilation	AVS HE 1.8	115-197	20 ppi foam	heating (lo)	111	158	1.42	84%	95%	23 5 -19	at 23°, recirculates air 6 /60 minutes at 5°, recirculates 6/32 minutes at -19°, recirculates 6/20 minutes
				heating (hi)	179	210	1.17	79%	89%		
				cooling (lo)	117	160	1.37	13%*	-		
				cooling (hi)	162	198	1.22	15%*	-		
Venmar Ventilation	AVS Duo 1.9	117-180	20 ppi foam	heating (lo)	119	137	1.15	69%	77%	23 5 -19	at 23°, recirculates air 9 /60 minutes at 5°, recirculates 9/32 minutes at -19°, recirculates 9/20 minutes
				heating (hi)	177	201	1.14	64%	71%		
				cooling	116	132	1.14	70%*	-		

\* Indicates Total Recovery Efficiency

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Manufacturer	Model Number	Air Filtration	Fan Efficacy	Sensible Recovery Efficiency	Apparent Sensible Effectiveness	Score (points out of 100)
Aria Brands, Inc	155 ECM	2	7.72	6.50	7.05	58.17
Aria Brands, Inc	200 ERV	2	5.61	7.05	7.85	56.29
Aprilaire	8100	2	Information unavailable	Information unavailable	7.70	Incomplete
American Aldes	LT15	3.75	5.01	6.30	7.20	55.65
Broan	ERV 100HC	2	5.49	6.75	7.65	54.72
Broan	HRV 100H	2	5.94	6.95	7.75	56.60
Fantech, Inc	SHR 3005R	2	0.95	7.70	9.10	49.38
Fantech, Inc	VHR 2005R	2	2.76	6.10	7.40	45.66
Renewaire LLC	EV 200	5	5.96	7.80	8.50	68.15
UltimateAir	200DX	7.5	5.25	8.20	9.45	75.99
VanEE	2001 ERV	2	5.80	6.45	7.20	53.62
Venmar	AVS HRV EKO 1.5	5.625	8.07	7.10	7.75	71.37
Venmar	AVS HE 1.8	2	3.69	8.15	9.20	57.61
Venmar	AVS Duo 1.9	2	4.51	6.65	7.40	51.40

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Manufacturer	Model Number	Balanced Flow Control	Speeds	EC Fan Motors	Indoor Pressure Control	CO2 Control	Smart Cooling	0-10 volt Control Input	Drain Required	Warranty	
Aria Brands, Inc	155 ECM		5	✓					YES	Core	lifetime
										Parts	5yrs
Aria Brands, Inc	200 ERV		5						NO	Core	5 yrs
										Parts	5 yrs
Aprilaire	8100		1						NO	Core	5 yrs
										Parts	5 yrs
American Aldes	LT15		2						YES	Core	15 yrs
										Parts	2 yrs
Broan	ERV 100HC		2						YES	Core	5 yrs
										Parts	2 yrs
Broan	HRV 100H		2						YES	Core	10 yrs
										Parts	2 yrs
Fantech, Inc	SHR 3005R		2						YES	Core	lifetime
										Parts	7yr motor, 5 yr part
Fantech, Inc	VHR 2005R		2						YES	Core	lifetime
										Parts	7yr motor, 5 yr part
Renewaire LLC	EV 200		1						NO	Core	10 yr
										Parts	2 yr
UltimateAir	200DX	✓	Cont. Variab.	✓	✓	✓	✓	✓	NO	Core	none(washable)
										Parts	5 yrs
VanEE	2001 ERV		2						YES	Core	5 yrs
										Parts	5 yrs
Venmar	AVS HRV EKO 1.5		4	✓					YES	Core	lifetime
										Parts	5 yrs
Venmar	AVS HE 1.8		2						YES	Core	lifetime
										Parts	5 yrs
Venmar	AVS Duo 1.9		2						NO	Core	5 yrs
										Parts	5yrs