

General baseline minimums: (a) SRE (sensible recovery efficiency) of $\geq 75\%$ at 32°F ($\geq 65\%$ for an ERV) at HVI-listed flow rate, (b) electrically commutated motor (ECM), and (c) cold weather tested. Also included are Passive House-certified products and equipment that differs from a “typical” HRV/ERV box, but meets key standards. The listed SRE is from the HVI single-line entry or Passive House documentation if it exists. This document is meant to be guidance only – be sure to verify details with manufacturer / distributor prior to selection.

Qualifying Heat Recovery Ventilators (HRVs)

Manufacturer	Model	SRE	Filter, std.	Filter, option for high eff?	Speeds	Listed net cfm at 0.6” wg
Broan	HRV 160TE ^a	75	MERV 9	No	5	144
Broan	HRV 200TE ^b	81	MERV 6	Yes: HEPA	Var.	207
Broan	HRV 250TE ^c	75	MERV 6	Yes: HEPA	Var.	230
Fantech	HERO 150H-EC ⁺	82	MERV 8	Poss. option for MERV 13	4	155
Fantech	HERO 250H-EC ⁺	82	MERV 8	Poss. option for MERV 13	2	246
Lifebreath	195 ECM	75	Not specified	No	5	159
Lifebreath	267 MAX ^d	75	Not specified	No	5	248
Zehnder	ComfoAir 160 HRV	88	MERV 7/8 (G4)	Yes: MERV 13 (F7)	Var.	Design: 43-64*
Zehnder	ComfoAir 200 HRV	92	MERV 7/8 (G4)	Yes: MERV 13 (F7)	Var.	Design: 35-88*
Zehnder	ComfoAir 350 HRV	84	MERV 7/8 (G4)	Yes: MERV 13 (F7)	Var.	Design: 42-172*
Zehnder	ComfoAir 550 HRV	84	MERV 7/8 (G4)	Yes: MERV 13 (F7)	Var.	Design: 65-181*
Zehnder	Q350 HRV	90	MERV 7/8 (G4)	Yes: MERV 13 (F7)	Var.	Design: 41-150*
Zehnder	Q450 HRV	88	MERV 7/8 (G4)	Yes: MERV 13 (F7)	Var.	Design: 41-203*
Zehnder	Q600 HRV	87	MERV 7/8 (G4)	Yes: MERV 13 (F7)	Var.	Design: 41-271*

^a Other trade names: Broan HRV160ECM, Venmar AVSE15ECMHRV, vanEE HRV90HVECM

^b Other trade names: Broan HRV200ECM, Venmar X24HRVECM, vanEE G2400HECM

^c Other trade names: Broan HRV250ECM, Venmar X30HRVE, vanEE G3000HE

^d Other trade name: Healthy Climate HRV 5270 TPD ECM

⁺ Expected availability April 2019

* Systems that use complete Zehnder distribution do not consider duct losses in the same way as units that use site-built distribution

Qualifying Energy Recovery Ventilators (ERVs)

Manufacturer	Model	SRE	Filter, std.	Filter, option for high eff?	Speeds	Listed net cfm at 0.6” wg
Aldes	E80-HRG	73	MERV 6	No	1	50
Aldes	E80-HRX	75	MERV 6	No	4	75
Broan	ERV 140TE ^e	67	MERV 6	No	5	117
Broan	ERV 200TE ^f	84	MERV 6	Yes: HEPA	Var.	194
Broan	ERV 250TE ^g	75	MERV 6	Yes: HEPA	Var.	220
BuildEquinox	CERV 2	--	MERV 13	Yes (standard)	Var.	135 (PA6), 205 (PA8)
Lunos ⁺	e2	90	MERV 5	No (MERV 9/10 option)	3	Design: 22 max (pair)
Minotair	Pentacare-V12	--	MERV 15	Yes (standard)	Var.	Design: 180 max
Panasonic	FV10VEC1	81	MERV 8	Yes: MERV 13	Var.	85
RenewAire	SL 70H or SL 70L	75	MERV 8	Yes: MERV 13	Var.	54
RenewAire	EV 90P	80	MERV 8	No	1	42
RenewAire	EV 200	78	MERV 8	No	1	149
Reversomatic	RERVD 100 ES	76	MERV 4/5	Yes: MERV 13	4	94
UltimateAir	200 DX ERV	83	MERV 12	No	Var.	136
UltimateAir	ER 80M ERV	84	MERV 12	No	Var.	80
Zehnder	ComfoAir 160 ERV	89	MERV 7/8 (G4)	Yes: MERV 13 (F7)	Var.	Design: 43-64*
Zehnder	ComfoAir 200 ERV	92	MERV 7/8 (G4)	Yes: MERV 13 (F7)	Var.	Design: 35-88*
Zehnder	ComfoAir 350 ERV	84	MERV 7/8 (G4)	Yes: MERV 13 (F7)	Var.	Design: 42-172*
Zehnder	ComfoAir 550 ERV	84	MERV 7/8 (G4)	Yes: MERV 13 (F7)	Var.	Design: 65-181*
Zehnder	Q350 ERV	86	MERV 7/8 (G4)	Yes: MERV 13 (F7)	Var.	Design: 41-150*
Zehnder	Q450 ERV	83	MERV 7/8 (G4)	Yes: MERV 13 (F7)	Var.	Design: 41-203*
Zehnder	Q600 ERV	80	MERV 7/8 (G4)	Yes: MERV 13 (F7)	Var.	Design: 41-271*

^e Other trade names: Venmar AVSE15ECMERV, vanEE ERV90HVECM

^f Other trade names: Venmar X24ERVE, vanEE G2400EE

^g Other trade names: Venmar X30ERVE, vanEE G3000EE

⁺ If the Lunos system is used, one fan, at minimum, should be located in each bedroom plus another in the main living area

* Systems that use complete Zehnder distribution do not consider duct losses in the same way as units that use site-built distribution