Very High Efficiency Dedicated Outside Air System:

Heat/Energy Recovery Ventilator Compliant Products

The following heat/energy recovery ventilator (HRV/ERV) equipment is compliant with the prescriptive requirements path of the Very High Efficiency Dedicated Outside Air System (very high efficiency DOAS) Requirements (see table A1: Minimum Requirements). Models listed do not indicate compliance with comprehensive very high efficiency DOAS requirements.

For more information on very high efficiency DOAS, including research findings and case studies, visit: betterbricks.com/solutions/very-high-efficiency-dedicated-outside-air-systems.

Table A2: HRV/ERV Compliant Products[5]

Manufacturer	Model #	HRV/ERV	Nominal CFM
Greenheck	ERV-20-15L[1]	ERV	1400
Greenheck	ERVe-20-15L[1]	ERV	1400
Greenheck	ERV-20-30L[1]	ERV	2000
Greenheck	ERVe-20-30L[1]	ERV	2000
Greenheck	ERVe-45-30L[1]	ERV	4200
Oxygen8	Ventum H05	HRV	600
Oxygen8	Ventum H10	HRV	1000
Oxygen8	Ventum H15	HRV	1150
Oxygen8	Ventum H20	HRV	1530
Oxygen8	Ventum H25	HRV	2250
Oxygen8	Ventum H30	HRV	3000
Oxygen8	Ventum Lite H04[4]	HRV	3000
Oxygen8	Ventum+ V20	HRV	1800
Oxygen8	Ventum+ V25	HRV	2400
Oxygen8	Ventum+ V30	HRV	3200
Oxygen8	Ventum+ V40	HRV	4000
RenewAire	HE07	ERV	233
RenewAire	HE10[6]	ERV	350
RenewAire	HE1.5	ERV	520
SEMCO	EP-03[1]	ERV	1700
SEMCO	EP-05[1]	ERV	3000
SEMCO	EP-09[1]	ERV	5100
SEMCO	EP-13[1]	ERV	7900
SEMCO	EP-18[1]	ERV	10900
SEMCO	EP-24[1]	ERV	14300
SEMCO	EP-28[1]	ERV	17000
SEMCO	EP-35[1]	ERV	21100
SEMCO	EP-43[1]	ERV	25700
SEMCO	EP-46[1]	ERV	28000
SEMCO	EP-56[1]	ERV	33600
SEMCO	EP-70[1]	ERV	42200
Swegon	Gold RX 05	HRV	840

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Manufacturer	Model #	HRV/ERV	Nominal CFM
Swegon	Gold RX 07	HRV	1430
Swegon	Gold RX 08	HRV	1530
Swegon	Gold RX 11	HRV	2200
Swegon	Gold RX 12	HRV	2370
Swegon	Gold RX 14	HRV	3530
Swegon	Gold RX 20	HRV	3570
Swegon	Gold RX 25	HRV	4730
Swegon	Gold RX 30	HRV	4730
Swegon	Gold RX 35	HRV	7600
Swegon	Gold RX 50	HRV	10670
Swegon	Gold RX 05 MTE	ERV	840
Swegon	Gold RX 07 MTE	ERV	1430
Swegon	Gold RX 08 MTE	ERV	1530
Swegon	Gold RX 11 MTE	ERV	2200
Swegon	Gold RX 12 MTE	ERV	2370
Swegon	Gold RX 14 MTE	ERV	3530
Swegon	Gold RX 20 MTE	ERV	3570
Swegon	Gold RX 25 MTE	ERV	4730
Swegon	Gold RX 30 MTE	ERV	4730
Swegon	Gold RX 35 MTE	ERV	7600
Swegon	Gold RX 40 MTE	ERV	7870
Swegon	Gold RX 50 MTE	ERV	10670
Swegon	Gold RX 60 MTE	ERV	10710
Swegon	Gold RX 70 MTE	ERV	14400
Swegon	Gold RX 80 MTE	ERV	14670
Swegon	Gold RX 05 STE	ERV	1300
Swegon	Gold RX 07 STE	ERV	1500
Swegon	Gold RX 08 STE	ERV	2000
Swegon	Gold RX 11 STE	ERV	2300
Swegon	Gold RX 12 STE	ERV	2850
Swegon	Gold RX 14 STE	ERV	3150
Swegon	Gold RX 20 STE	ERV	4200

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Manufacturer	Model #	HRV/ERV	Nominal CFM
Swegon	Gold RX 25 STE	ERV	4750
Swegon	Gold RX 30 STE	ERV	5800
Swegon	Gold RX 35 STE	ERV	7000
Swegon	Gold RX 50 STE	ERV	9700
Swegon	Gold RX 70 STE	ERV	15800
Swegon	CASA R9	HRV	500
Tempeff	RG 1000[3]	HRV	1000
Tempeff	RG 1500[3]	HRV	1500
Tempeff	RG 2000[3]	HRV	2000
Tempeff	RG 3000[3]	HRV	3000
Tempeff	RG 4000[3]	HRV	4000
Tempeff	RG 5500[3]	HRV	5500
Tempeff	RG 6500[3]	HRV	6500
Tempeff	RGL 1000[3]	HRV	1000
Tempeff	RGL 1500[3]	HRV	1500
Tempeff	RGL 2000[3]	HRV	2000
Tempeff	RGL 3000[3]	HRV	3000
Tempeff	RGL 4000[3]	HRV	4000
Tempeff	RGL 5500[3]	HRV	5500
Tempeff	RGL 6500[3]	HRV	6500
Ventacity	VS1000 RTh	HRV	1000
Ventacity	VS1000 RTe	ERV	1000
Ventacity	VS3000 RTh	HRV	3000
Ventacity	VS3000 RTe	ERV	3000
Ventacity	VS1200CMh	HRV	1200
Ventacity	VS900CMh	HRV	900
Ventacity	VS400CMh	HRV	400
Ventacity	VS250CMh	HRV	250
Ventacity	VS500SQh	HRV	500

Compliance Notes

[1] Compliant unit must include energy recovery purge section to minimize exhaust air leakage. Unit must be selected to operate at greater than 0 in. wg. differential pressure between outside air and exhaust air pathways.
[2] Residential size equipment (<300 cfm) that is PHI Certified can be compliant for multi-family in-unit applications, if it meets all other criteria.
[3] Compliant unit must be mounted outdoors and without exhaust ductwork to meet crossflow leakage requirement.
[4] Unit requires Central DDC for defrost control and the defrost activation should be controlled via differential pressure sensor or exhaust air temperature.
[5] When project design weather conditions require HRV/ERV defrost (i.e., Project Design winter dry-bulb temperature < temperature at which defrost typically begins to form on the wheel or core), the HRV/ERV specified for the project must include a compliant defrost control method. In these cases, defrost control cannot be any of the following prohibited methods: timed exhaust, recirculation of return air, electric resistance without modulating control.
[6] Product may not be installed with the 460V/3 phase advanced EC direct drive fan.

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