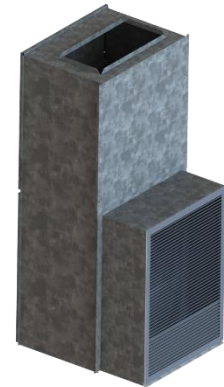


## EVE series Vertical Through Wall Units Heat Pump with Electric Back-up Heat & ERV

- Insulated for sound attenuation
- Installed and serviced from the indoors
- 208 / 230V single phase
- G90 Galvanized for long rust-free life
- Heat pump has Axial EC variable speed fan motor with field adjustable speed settings.
- Indoor fan is 5 speed EC motor with independent rotary dial speed controls for Heating, Cooling and Continuous Fan speeds.
- High efficiency counterflow ERV core with independent EC fans for flow control
- Stale Air is simplified connection to RA internal to unit.
- Outside air is introduced internal to unit through grille. Fresh air is introduced to air stream internal to unit.
- Exhaust Air connection on left side of unit must be connected to wall box at least 6 ft from any fresh air grille ( connection is not shown in diagram)



### Available Options

OPTION	FEATURES
Wall Sleeve	24" wide x 32" tall wall sleeve. Comes in following depths 10", 14", 18". Custom depths are available for large orders. Can be ordered as knock down or factory assembled
Architectural Louver	Powder coated aluminum louver (Silk Grey). Custom colors available
Sleeve Adaptor	Wall sleeve adaptor to existing wall sleeves. Consult factory for shop drawings prior to ordering
Overflow control	Factory installed stainless steel overflow float with hermetically sealed reed switch for extremely long trouble-free life. Shuts down unit and produces an audible alarm to warn homeowner before flooding incident can occur
Condensate pump	Internal condensate pump factory installed and wired. Alarms and shuts down unit if pump fails. For sites where local condensate drain is not readily available. Can pump 20ft vertically and 100ft horizontally
Custom electrical Coil	Consult factory for alternate heating element to one shown in table.
Zone valve	Specify zone valve in place of pump for systems with external pumps.
ERV Stale Air External Connection	Factory installed duct kit routes Stale Air to cabinet side connection so washroom exhaust(s) can be directly connected.
MERV 13 Filter	Complete filtration of indoor air through MERV 13 filter. Consult Factory

## Physical Properties

MODEL:	EVE09-E03	EVE12-E03	EVE18-E03	EVE24-E05	EVE30-E08
Cabinet Width(inches)	25"	25"	25"	25"	25"
Cabinet Height (inches)	68	68"	68"	68"	68"
Cabinet Depth (inches)	21"	21"	21"	21"	21"
Supply Air (WxD) inches	12"x20"	12"x20"	12"x20"	12"x20"	12"x20"
Return Air (WxD) inches (Side)	12"x20"	12"x20"	12"x20"	12"x20"	12"x20"
Return Air (WxD) inches (Front)	14"x23"	14"x23"	14"x23"	14"x23"	14"x23"
Filter Rack Size (WxD) inches	16"x25"	16"x25"	16"x25"	16"x25"	16"x25"
ERV Exhaust connection	6"Ø	6"Ø	6"Ø	6"Ø	6"Ø
Coil size (length x width - rows)	13x20-2R	13x20-2R	13x20-2R	13x20-3R	13x20-3R
Electric Heating Element (KW)	3.0	3.0	3.0	5.0	5.0
Shipping weight – pounds	160	168	180	188	190
Power (Volts/Phase/Hz)	230/1/60	230/1/60	230/1/60	230/1/60	230/1/60
Minimum Ampacity	16	16	16	24	40
Max over current (fuse size) Amps	20	20	20	30	50

## PERFORMANCE Specifications

MODEL:	EVE09-E03	EVE12-E03	EVE18-E03	EVE24-E05	EVE30-E08
Heating Capacity (Btu/h)	8,470	10,500	13,700	19,200	23,600
Heating COP (47F)	3.3	3.3	3.3	3.3	3.3
Electric Heating Element (Btu/h)	10,240	10,240	10,240	17065	17065
Cooling Capacity – (Btu/h)	9,100	11,800	18,300	23,400	29,500
EER	11	11	11	11	11
Continuous run speeds - cfm	240-400	240-400	240-400	240-400	240-400
Heating Air flow speeds - cfm	240	320	480	640	640
Cooling air flow speeds – cfm	320	480	640	800	900
Maximum Airflow (CFM)	640	640	640	800	900
Max. Ext. Static Pressure (in.wc)	1.0	1.0	1.0	0.5	0.3

ERV Performance (all models)	Sensible Eff	Latent Eff	Enthalpy Eff
30 cfm (nominal rating)	89.3%	85.6%	86.5%
83 cfm	76.8%	69.5%	71.2%
140 cfm	69.4%	60.7%	62.8%

1. Heating capacities are based on 47FDB/43FWB outdoor and 70FDB/60F WB indoor
2. Cooling capacities are based on 95FDB/75FWB outdoor and 80FDB/67F WB indoor
3. Air handler can deliver the programmed airflow at any static pressure below the maximum external static pressure.
4. Fan speeds are torque limited to 30%,40% 60% 80% 100% which approximates air flows of 800, 640,480, 320, 240 cfm.
5. All fan speeds are recommended settings. Use temperature rise of temperature drop measurements as described in the installation instructions for setting fan speeds do not rely on this table. This is for initial setting and calculation purposes only.