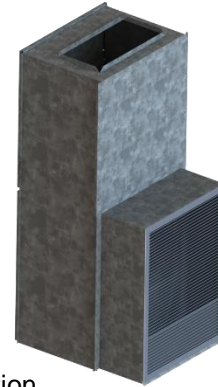


ECE-E series Vertical Through Wall Units Heat Pump with Electric Heat

- Heat pump operates down to 32F
- Insulated for sound attenuation
- Installed and serviced from the indoors
- 208 / 230V single phase
- G90 Galvanized for long rust-free life
- AC 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.
- Wall sleeve available in 3 sizes to allow for wall thickness
- Indoor section is shallow construction to minimize protrusion into living space.



HP section

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 replacement sites where local condensate drain is not readily available. Can pump 20ft vertically and 100ft horizontally
Custom electrical Heat	Consult factory for alternate heating element to ones shown in table.
MERV 13 Filter	Complete filtration of indoor air through MERV 13 filter. Consult Factory
Outdoor air vent	Fresh air vent with motorized or fixed damper. Consult Factory

Physical Properties

MODEL:	ECE09-E03	ECE12-E03	ECE18-E03	ECE24-E05	ECE30-E08	ECE36-E10
Cabinet Width(inches)	25"	25"	25"	25"	25"	25"
Cabinet Height (inches)	60"	60"	60"	60"	60"	60"
Cabinet Depth (inches)	19"	19"	19"	19"	19"	25"
Supply Air (WxD) inches	12"x20"	12"x20"	12"x20"	12"x20"	12"x20"	16"x20"
Return Air (WxD) inches (Front)	14"x23"	14"x23"	14"x23"	14"x23"	14"x23"	14"x23"
Filter Rack Size (WxD) inches	16"x20"	16"x20"	16"x20"	16"x20"	16"x20"	16"x20"
Cooling Coil size (WxD) inches	16x20-2R	16x20-2R	16x20-3R	16x20-3R	16x20-3R	16x20-4R
Electric Heating Element (KW)	3.0	3.0	3.0	5.0	8.0	10.0
Shipping weight – pounds	160	168	170	188	190	220
Power (Volts/Phase/Hz)	230/1/60	230/1/60	230/1/60	230/1/60	230/1/60	230/1/60
Minimum Ampacity (cooling)	7	8	11	24	29	36
Minimum Ampacity (Heating)	16	16	16	24	40	50
Max over current (fuse size) Amps	20	20	20	30	50	60

PERFORMANCE Specifications

MODEL:	ECE09-E03	ECE12-E03	ECE18-E05	ECE24-E05	ECE30-E08	ECE36-E10
Heat Pump Output (Btu/h @47F)	8,470	10,500	13,700	19,200	26,500	29,750
Heat Pump Output (Btu/h @32F)	6350	7,880	10,280	14,400	19,900	24,000
Heating COP (47F)	3.3	3.3	3.3	3.3	3.3	3.3
Electric Heating Element (Btu/h)	10,240	10,240	17,065	17065	27,300	34,130
Cooling Capacity – (Btu/h)	9,100	11,800	18,300	23,400	29,500	36,000
EER	11	11	11	11	11	11
Continuous run speeds - cfm	240-400	240-400	240-400	240-400	240-400	400-1000
Heating Air flow speeds - cfm	320	320	320	480	640	1200
Cooling air flow speeds – cfm	320	400	640	800	900	1200
Maximum Airflow (CFM)	400	400	800	800	900	1200
Max. Ext. Static Press. (in.wc.)	0.5	0.5	0.5	0.5	0.3	0.5

1. Heating capacities are based on 47F DB/43F WB outdoor and 70F DB/60F WB indoor
2. Cooling capacities are based on 95F DB/75F WB outdoor and 80F DB/67F WB indoor
3. Fan speeds are torque limited to 30%,40% 60% 80% 100% which approximates air flows of 800, 640,480, 320, 240 cfm.
4. All fan speeds are recommended settings. Use temperature rise or drop measurements as described in the installation instructions for setting fan speeds do not rely on this table. Table is for initial setting and sizing calculation purposes only.
5. All specifications subject to change without notice. For custom orders request submittal sheet for specific product ordered.