

# COMMERCIAL | WATER<sup>2</sup>AIR | EC SERIES

Reinventing Energy Efficiency



## Key Features

### Standard

- Coated Air Coils
- Stainless Steel Drain Pan
- Filter Drier
- Floating Base Pan
- Service Connections
- R410-A Refrigerant
- PSC Motor
- Coaxial Heat Exchanger Copper
- 4-Way Reversing Valve
- Blower Housing
- Unit Protection Module 1

### Optional

- Four Sided Filter Rack
- Hot Gas Bypass
- Hot Gas Reheat
- TXV Valve
- Coaxial Heat Exchanger Cupronickel
- Desuperheater
- DDC Controls
- Geothermal
- Compressor Blanket



## EC SERIES

### High Efficiency

FHP's single stage EC Series with high efficiency brings geothermal technology into your commercial project. Available from 1/2 through 6 tons in vertical, horizontal, split and counterflow configurations. When equipped with the "extended range option", the unit is suitable for geothermal applications.

### Quiet Operation

The EC Series comes with a unique sound package and the floating compressor base pan keeps sound to an absolute minimum.

### Environmentally Friendly

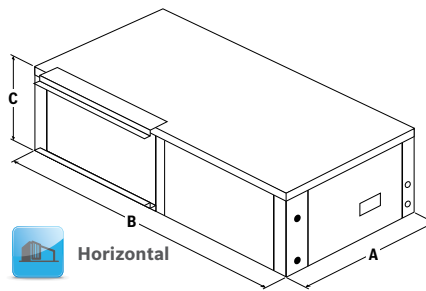
These highly efficient units not only will reduce your operating costs but play their part in reducing carbon dioxide emissions, a leading cause of global warming.

### Quality

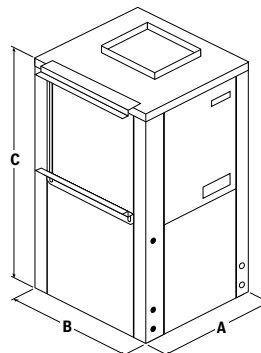
Rigorous factory testing virtually guarantees no hassle from the start while FHP's almost 40 years of experience in designing Heat Pumps for commercial applications are your assurance of a state of the art quality product. FHP's ISO 9001:2000 certified facilities provide consistent quality in every unit we build.

# EC SERIES

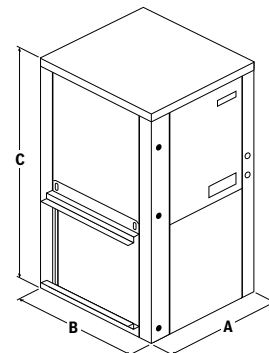
MODEL	DIMENSIONS					
	VERTICAL/COUNTERFLOW			HORIZONTAL		
	A (width)	B (depth)	C (height)	A (width)	B (depth)	C (height)
EC007	19.00	19.00	24.25	19.00	31.00	13.25
EC009	19.00	19.00	24.25	19.00	31.00	13.25
EC012	19.00	19.00	24.25	19.00	31.00	13.25
EC015	21.50	21.50	32.25	21.50	43.00	17.00
EC018	21.50	21.50	32.25/36.25 VT/CF	21.50	43.00	17.00
EC024	21.50	21.50	36.25	21.50	43.00	19.00
EC030	21.50	21.50	39.25	22.00	45.00	19.00
EC036	21.50	26.00	43.25	22.00	54.00	19.00
EC041	21.50	21.50	39.25	21.50	43.00	22.00
EC042	21.50	26.00	43.25	22.00	54.50	19.00
EC048	24.00	32.50	45.25	36.00	43.00	21.00
EC051	26.00	26.00	43.25	N/A	N/A	N/A
EC060	24.00	32.50	45.25	36.00	43.00	21.00
EC061	26.00	26.00	43.25	N/A	N/A	N/A
EC070	26.00	33.25	58.25	26.00	78.00	21.50



Horizontal




Vertical



Counter-Flow

MODEL	ARI / ISO 13256-1 PERFORMANCE DATA											
	ENTERING WATER TEMPERATURES											
	Water Loop (WLHP)				Ground Water (GWHP)				Ground Loop (GLHP)			
	86°F		68°F		59°F		50°F		77°F		32°F	
	CAPACITY AND EFFICIENCY DATA											
COOLING CAPACITY	EER	HEATING CAPACITY	COP	COOLING CAPACITY	EER	HEATING CAPACITY	COP	COOLING CAPACITY	EER	HEATING CAPACITY	COP	
EC 007	6,200	12.5	8,000	5.1	7,200	20.0	6,000	4.0	6,500	15.0	4,500	3.2
EC 009	7,800	13.7	11,400	4.7	9,000	20.0	8,600	3.8	8,100	14.8	6,400	3.2
EC 012	11,000	13.0	14,500	4.5	12,400	19.0	11,500	3.6	11,500	14.5	8,700	3.1
EC 015	14,000	13.0	18,000	4.6	15,800	19.0	13,500	3.8	14,500	15.0	10,100	3.3
EC 018	18,500	13.0	24,000	4.4	21,400	19.0	18,000	3.8	19,800	14.1	13,400	3.3
EC 024	25,000	13.8	30,000	4.5	28,200	20.6	23,800	3.8	26,500	15.2	17,900	3.3
EC 030	29,000	13.0	35,000	4.3	33,000	18.6	28,400	3.8	31,000	14.4	21,000	3.3
EC 036	36,000	13.8	46,000	4.5	40,200	19.5	36,200	4.0	37,800	15.5	27,400	3.3
EC 041	38,000	12.5	49,000	4.2	40,400	16.1	39,000	3.7	39,200	14.1	28,500	3.1
EC 042	42,000	13.0	53,000	4.2	44,500	18.5	42,000	3.8	43,800	14.2	32,200	3.3
EC 048	48,000	14.0	58,000	4.8	58,000	20.6	46,600	4.2	52,000	15.4	36,800	3.5
EC 051	47,500	13.8	53,500	4.7	58,000	20.6	46,600	4.2	51,000	15.5	37,800	3.6
EC 060	62,000	13.2	79,000	4.4	67,000	18.3	61,500	3.9	63,600	14.7	50,000	3.3
EC 061	59,000	13.9	68,000	4.6	63,000	19.7	55,400	4.1	61,000	15.8	44,600	3.5
EC 070	68,000	13.5	80,000	4.5	76,000	19.8	68,000	4.0	70,000	15.2	53,000	3.3



Energy Star Rated Products. 

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