HE Series

The High Efficiency HEH/V Series offers high efficient two-stage operation in a simple cabinet design. The High Efficiency Series also offers options that allow for application flexibility. Available options include hot water generator, enhanced iGate® controls, coated air coils, extended range insulation, UltraQuiet package, vFlow® internal variable water flow, and internal secondary circulator.

ADVANTAGE OF THE HIGH EFFICIENCY HEH/V SERIES

- Advanced Controls - iGate® communicating control provides advanced unit functionality and comprehensive configuration, monitoring and diagnostic capabilities through digital communication links with the variable-speed fan motor, variable-speed source pump (or modulating valve) and communicating thermostat or configuration/diagnostic tool
- Optional Internal Variable Water Flow - Industry-first, Built-in vFlow® replaces a traditionally inefficient, external component of the geothermal system (water circulation) with an ultra-high-efficient, variable speed, internal water flow system consisting of an internal variable speed circulator or an internal modulating motorized water valve
- Sound absorbing glass fiber insulation
- Unique double isolation compressor mounting for quiet operation
- Insulated divider and separate compressor/air handler compartments
- Field convertible discharge air arrangement for horizontal units
- Variable speed ECM fan motor
- Internally trapped condensate drain line (vertical units only)
- Eight safeties standard
- Extended range (20 to 120°F, -6.7 to 48.9°C) capable
- Tin-plated micro-channel EVAP coil
- SS drain pan

Vertical Upflow Model		A Width	B Depth	C Height
024 - 030	in.	22.4	22.4	40.5
	cm	56.9	56.9	102.9
036 - 042	in.	22.4	25.4	46.5
	cm	56.9	64.5	118.1
048 - 060	in.	25.4	29.1	50.5
	cm	64.5	73.9	128.3

Horizontal Model		A Width	B Length	C Height
024 - 030	in	22.4	48.3	18.3
	cm	56.9	122.7	46.5
036 - 042	in.	22.4	53.1	21.3
	cm	56.9	134.9	54.1
048 - 060	in.	25.4	68.0	21.3
	cm	64.5	172.7	54.1

Comfort-Aire®

GEOTHERMAL RESIDENTIAL PACKAGE UNITS

2 to 5 Tons
60Hz - HFC 410A

PACKAGE UNIT AUXILIARY/EMERGENCY HEATERS					
Part Number	kW @ 240 Single Phase	Number of Circuits	Used with HEH/HEV		
			24	36	48-70
HGM05AAG	4.8	1	X		
HGM08ABG	7.6	1	X		
HGM10ABG	9.6	1	X		
HGM12ABG	11.4	2	X		
HGL10ABG	9.6	1		X	X
HGL15ABG	14.4	2		X	X
HGL20ABG	19.2	2			X
16B0002N02	Single Circuit Adapter Kit for 2 circuit heaters				

HE Series

Comfort-Aire®

PHYSICAL DATA

Model	024	030	036	042	048	060
Compressor (1 Each)	Scroll					
Factory Charge HFC-410A (oz)	51	48	54	70	80	84
ECM Fan Motor & Blower						
Fan Motor (hp)	1/2	1/2	1/2	3/4	3/4	1
Blower Wheel Size (dia x w) - (in)	9X7	9X7	9X8	9X8	10X10	11X10
Water Connection Size						
FPT(in)	3/4"	3/4"	3/4"	3/4"	1"	1"
Coax Volume (gallons)	0.323	0.323	0.738	0.89	0.738	0.939
HWG Connection Size						
FPT(in)	1/2"					
Vertical Upflow						
Air Coil Dimensions (h x w) - (in)	20 X 17.25	20 X 17.25	24 X 21.75	24 X 21.75	28.75 X 24	28.75 X 24
Standard Filter - 1" [25.4mm] Throwaway, qty (in)	20x20	20x20	24x24	24x24	28x28	28x28
Weight - Operating, (lbs)	224	224	249	260	315	330
Weight - Packaged, (lbs)	229	229	255	266	322	337
Horizontal						
Air Coil Dimensions (h x w) - (in)	16 X 22	16 X 22	20 X 25	20 X 25	20 X 35	20 X 35
Standard Filter - 1" [25.4mm] Throwaway, qty (in)	18x25	18x25	20x28 or 2-20x14	20x28 or 2-20x14	1-20x24, 1-20x14	1-20x24, 1-20x14
Weight - Operating, (lbs)	208	208	233	244	299	314
Weight - Packaged, (lbs)	213	213	239	250	306	321

Notes: All units have TXV expansion device and 1/2" & 3/4" electrical knockouts.

TESTED TO ASHRAE/AHRI/ISO 13256-1 ENGLISH UNITS

Model	Water Loop Heat Pump				Ground Water Heat Pump				Ground Loop Heat Pump			
	Cooling 86°F		Heating 68°F		Cooling 59°F		Heating 50°F		Full Cool 77°F Part Cool 68°F		Full Heat 32°F Part Heat 41°F	
	Capacity Btuh	EER Btuh/W	Capacity Btuh	COP	Capacity Btuh	EER Btuh/W	Capacity Btuh	COP	Capacity Btuh	EER Btuh/W	Capacity Btuh	COP
HE*024 Part	18,100	16.1	20,600	5.2	20,300	27.2	16,700	4.4	19,400	22.2	14,700	4.0
HE*024 Full	23,700	14.3	28,000	4.6	26,500	21.7	23,000	4.1	24,600	16.0	17,800	3.6
HE*030 Part	21,900	15.2	26,300	5.0	24,900	24.8	22,000	4.3	24,200	20.9	19,400	3.9
HE*030 Full	28,500	14.0	35,800	4.6	32,300	20.7	30,000	4.2	29,900	15.7	23,800	3.6
HE*036 Part	25,800	17.2	29,900	5.3	29,000	29.4	24,900	4.6	27,300	23.4	21,500	4.0
HE*036 Full	34,300	15.1	42,000	4.6	38,200	22.3	35,100	4.3	35,200	16.7	27,300	3.6
HE*042 Part	31,000	15.8	36,800	5.1	35,200	26.4	30,500	4.3	34,000	22.0	26,900	3.8
HE*042 Full	41,100	14.3	50,200	4.6	46,300	21.3	42,300	4.1	43,100	16.1	33,300	3.4
HE*048 Part	34,100	15.2	39,500	5.5	39,200	26.8	32,600	4.6	37,600	21.2	29,200	4.1
HE*048 Full	45,900	14.0	53,800	4.9	51,800	20.9	45,000	4.4	48,100	15.5	35,600	3.7
HE*060 Part	45,500	17.7	49,000	5.3	50,400	28.9	39,800	4.5	48,600	23.7	34,800	4.0
HE*060 Full	61,700	15.7	67,500	4.8	68,000	22.7	55,400	4.3	63,200	17.3	43,700	3.6

Cooling capacities based upon 80.6°F DB, 66.2°F WB entering air temperature. Heating capacities based upon 68°F DB, 59°F WB entering air temperature
*All rating based upon operation at lower voltage of dual voltage rated models. * Includes vertical and horizontal configurations*

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HEAT CONTROLLER
Confidence in any climate
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SP-1M 6/24 CA-HE