Quick Reference Guide

Water Source Heat Pump Axiom™

Standard Efficiency 0.5 to 5 Tons – GEHK/GEVK

April 2024

WSHP-PRC035A-EN

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Table 1. List of options

Factory Installed Options	Field Installed Options
1-inch or 2-inch Ducted Filter Rack	2-inch or 4-inch Ducted Filter Rack
Air-Fi® Wireless Communications	Ducted Panel
Deluxe 24V, Symbio™ 400-B Controls	Hose Kits (or ship separate hoses and valves)
Factory-mounted Isolation Valve	Low, Medium and High Electric Heat
Hot Gas Reheat	Pump Module
Matte or Foil Face Insulation	Pump Module Hose Kit
MERV 8 or 13 Filters	Thermostats or Zone Sensors
Polymer or Stainless Steel IAQ Drain Pan	Waterside Economizer
Recessed Unit Mounted Disconnect Switch	
Standard or Deluxe Sound Package	

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Table 2. General data - models GEHK006-024

Model GEHK	006	009	012	015	018	024
Unit Size depth x length x height (in.)	23 x 41 x 15.75	23 x 41 x 15.75	23 x 41 x 15.75	25.5 x 46 x 17.75	25.5 x 46 x 17.75	25.5 x 49 x 18.75
Compressor type	Rotary	Rotary	Rotary	Rotary	Rotary	Scroll
Net weight (lbs.)	165	165	165	173	173	269
Ship weight (lbs.)	255	255	255	297	297	393
Filter size nominal (in.)	14 x 16	14 x 16	14 x 16	16 x 19	16 x 19	17 x 20
Water in/out size (FPT)	0.5	0.5	0.5	0.5	0.5	0.75
Condensate size (NPTI)	0.75	0.75	0.75	0.75	0.75	0.75
Blower wheel Size (in.)	9 x 6	9 x 6	9 x 6	9 x 8	9 x 8	10 x 8

Table 3. General data - models GEHK030-060

Model GEHK	030	036	042	048	060
Unit Size depth x length x height (in.)	25.5 x 49 x 18.75	25.5 x 55 x 19.75	25.5 x 55 x 19.75	28 x 68 x 21.75	28 x 68 x 21.75
Compressor type	Scroll	Scroll	Scroll	Scroll	Scroll
Net weight (lbs.)	271	340	318	384	394
Ship weight (lbs.)	395	464	442	529	539
Filter size nominal (in.)	17 x 20	18 x 23	18 x 23	20 x 30	20 x 30
Water in/out size (FPT)	0.75	0.75	0.75	1	1
Condensate size (NPTI)	0.75	0.75	0.75	0.75	0.75
Blower wheel Size (in.)	10 x 8	10 x 9	10 x 9	11 x 11	11 x 11

Table 4. General data - models GEVK006-024

Model GEVK	006	009	012	015	018	024
Unit size width x depth x height (in.)	19 x 19 x 30	19 x 19 x 30	19 x 19 x 30	21.5 x 21.5 x 34	21.5 x 21.5 x 34	21.5 x 23 x 36
Compressor type	Rotary	Rotary	Rotary	Rotary	Rotary	Scroll
Net weight (lbs.)	149	149	149	155	157	210
Ship weight (lbs.)	201	201	201	210	212	268
Filter size nominal (in.)	14 x 16	14 x 16	14 x 16	16 x 19	16 x 19	17 x 20

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Table 4. General data - models GEVK006-024 (continued)

Model GEVK	006	009	012	015	018	024
Water in/out size (FPT)	0.5	0.5	0.5	0.5	0.5	0.75
Condensate size (NPTI)	0.75	0.75	0.75	0.75	0.75	0.75
Blower wheel Size (in.)	9 x 6	9 x 6	9 x 6	9 x 8	9 x 8	10 x 8

Table 5. General data - models GEVK030-060

Model GEVK	030	036	042	048	060
Unit size width x depth x height (in.)	21.5 x 23 x 36	21.5 x 26 x 38	21.5 x 26 x 38	24 x 32.5 x 42	24 x 32.5 x 42
Compressor type	Scroll	Scroll	Scroll	Scroll	Scroll
Net weight (lbs.)	216	247	257	283	285
Ship weight (lbs.)	274	307	317	346	348
Filter size nominal (in.)	17 x 20	18 x 23	18 x 23	20 x 30	20 x 30
Water in/out size (FPT)	0.75	0.75	0.75	1	1
Condensate size (NPTI)	0.75	0.75	0.75	0.75	0.75
Blower wheel Size (in.)	10 x 8	10 x 9	10 x 9	11 x 11	11 x 11

Table 6. ANSI/AHRI/ASHRAE/ISO13256-1 WLHP, GWHP and GLHP performance - 0.5 to 5 tons

Model	Rated GPM	Rated CFM	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		Full Heat 32°F	
			Capacity Btuh	EER	Capacity Btuh	COP	Capacity Btuh	EER	Capacity Btuh	COP	Capacity Btuh	EER	Capacity Btuh	COP
GEH/V006	1.50	190	7600	14.3	9800	4.6	8500	22.2	7700	4.0	7900	16.8	6000	3.4
GEH/V009	2.25	285	8400	16.8	10500	5.8	9400	25.6	8600	4.9	8800	19.6	6400	4.0
GEH/V012	3.00	380	11000	15.2	14400	5.3	11900	22.3	11500	4.4	11300	17.7	8400	3.5
GEH/V015	3.75	475	15300	15.6	20400	5.4	16800	24.1	16700	4.7	15900	18.2	12500	3.9
GEH/V018	4.50	570	17900	15.1	24200	5.1	19600	23.4	19500	4.5	18500	17.3	15300	3.8
GEH/V024	6.00	760	24300	16.0	31100	5.1	27000	25.5	26000	4.5	25400	18.9	19700	3.6

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Table 6. ANSI/AHRI/ASHRAE/ISO13256-1 WLHP, GWHP and GLHP performance - 0.5 to 5 tons (continued)

Model	Rated GPM	Rated CFM	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		Full Heat 32°F	
			Capacity Btuh	EER	Capacity Btuh	COP	Capacity Btuh	EER	Capacity Btuh	COP	Capacity Btuh	EER	Capacity Btuh	COP
GEH/V030	7.50	950	29200	15.8	36800	4.9	31700	23.9	29800	4.3	30000	18.2	23700	3.7
GEH/V036	9.00	1140	39500	15.0	47400	4.7	42500	22.1	39700	4.2	40600	17.3	30100	3.4
GEH/V042	10.5	1330	44000	16.4	56400	4.7	47100	24.5	46200	4.1	45200	18.9	35800	3.4
GEH/V048	12.0	1520	48900	15.9	62300	4.9	54500	24.0	50800	4.3	50900	18.4	38900	3.6
GEH/V060	15.0	1900	57700	15.7	77100	4.7	64300	23.9	63700	4.2	60100	18.3	50200	3.7

Notes:

1. Rated in accordance with ANSI/AHRI/ASHRAE/ISO13256-1. Certified conditions are 80.6°F DB/66.2°F WB EAT in cooling and 68F DB/59°F WB EAT in heating.
2. Models with capacities greater than 135,000 Btuh are not included in the ANSI/AHRI/ASHRAE/ISO13256-1 water-to-air and brine-to-air heat pump certification program.

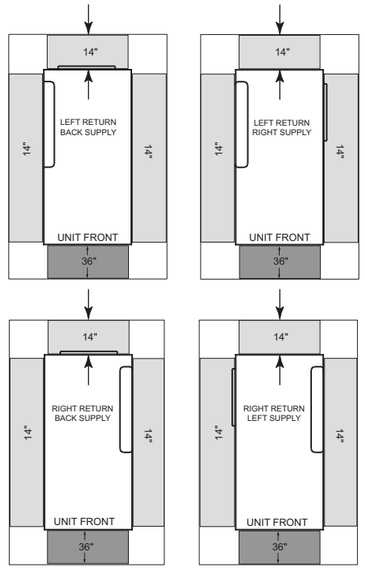
Table 7. Electrical data - ECM motors - GE* 0.5 to 5 tons

Model No.	Unit Volts	Blower Motor HP	Minimum Circuit Ampacity	Maximum Overcurrent Protective Device
GEV/H006	208-230/60/1	1/3	6/6	15/15
GEV/H006	265/60/1	1/3	4	15
GEV/H009	208-230/60/1	1/3	7/7	15/15
GEV/H009	265/60/1	1/3	5	15
GEV/H012	208-230/60/1	1/3	9/9	15/15
GEV/H012	265/60/1	1/3	7	15
GEV/H015	208-230/60/1	1/3	16/16	25/25
GEV/H015	265/60/1	1/3	9	15
GEV/H018	208-230/60/1	1/3	20/20	30/30
GEV/H018	265/60/1	1/3	11	15
GEV/H024	208-230/60/1	1/2	17/17	25/25
GEV/H024	265/60/1	1/2	15	20
GEV/H024	208-230/60/3	1/2	12/12	15/15

Table 7. Electrical data - ECM motors - GE* 0.5 to 5 tons (continued)

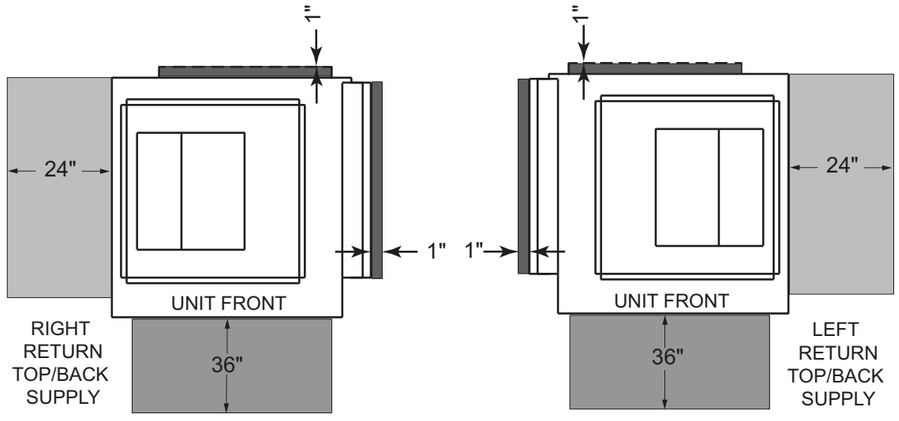
Model No.	Unit Volts	Blower Motor HP	Minimum Circuit Ampacity	Maximum Overcurrent Protective Device
GEV/H024	460/60/3	1/2	6	15
GEV/H030	208-230/60/1	3/4	19/19	30/30
GEV/H030	208-230/60/3	3/4	15/15	20/20
GEV/H030	265/60/1	3/4	17	25
GEV/H030	460/60/3	3/4	7	15
GEV/H036	208-230/60/1	3/4	24/24	35/35
GEV/H036	265/60/1	3/4	23	35
GEV/H036	208-230/60/3	3/4	20/20	30/30
GEV/H036	460/60/3	3/4	10	15
GEV/H042	208-230/60/1	3/4	29/29	45/45
GEV/H042	208-230/60/3	3/4	21/21	30/30
GEV/H042	460/60/3	1	10	15
GEV/H048	208-230/60/1	1	33/33	50/50
GEV/H048	208-230/60/3	1	24/24	35/35
GEV/H048	460/60/3	1	12	15
GEV/H060	208-230/60/1	1	40/40	60/60
GEV/H060	208-230/60/3	1	29/29	45/45
GEV/H060	460/60/3	1	13	20

Figure 1. Clearances - GEHK 0.5 to 5 tons



A minimum 14–inch clearance for servicing the unit is required for all 0.5 to 5 tons configurations from other mechanical and electrical equipment (where shown) to enable panel removal from the unit for service/maintenance ability. The optimum clearance required is 20 inches.

Figure 2. Clearances - GEVK 0.5 to 5 tons



A 24-inch clearance from other mechanical and electrical equipment (where shown) is recommended for most unit configurations. This will enable panel removal from the unit for service/maintenance.

The 24-inch side clearance on GEVK 0.5 to 5 ton models is for optimal access only. Side clearance is not a requirement as most components can be accessed from the front of the unit.

A 1-inch minimum clearance between the filter rack and any obstacle is required for units in a free return application to provide proper air flow to the air-to-refrigerant coil. A 12-inch minimum clearance between the filter rack and any obstacle should be provided to properly attached ductwork.

The 1-inch dimension shown in the back of the unit represents the supply duct collar for the back supply option. This clearance is needed to clear these flanges.

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