

COMPLETE LINE OF RESIDENTIAL AND COMMERCIAL HEATING AND AIR CONDITIONING EQUIPMENT
PRODUCT GUIDE

2 0 1 1

THE SOURCE



Comfort-Caire®

QUICK REFERENCE GUIDE TO COMFORT-AIRE PRODUCTS

See complete specifications at www.comfort-aire.com



RSG Condensing Units

With scroll compressor for efficiency and long life. Features full metal louvered jacket, quiet operation, easy access control box and top air discharge. SEER ratings vary depending on air handler used.

1½ to 5 Tons 208/230V-1-60

13-14 SEER Model	Nom. BTUH	14-16 SEER Model
RSG1318-1B	18,000	RSG1418-1B
RSG1324-1B	24,000	RSG1424-1B
RSG1330-1B	30,000	RSG1430-1B
RSG1336-1B	36,000	RSG1436-1B
RSG1342-1B	42,000	RSG1442-1B
RSG1348-1B	48,000	RSG1448-1B
RSG1360-1B	60,000	RSG1460-1B

13-14 SEER Model	Nom. BTUH*	Nom. BTUH Heating*
HRG1318-1A	18,000	18,000
HRG1324-1A	24,000	24,000
HRG1330-1A	30,000	29,000
HRG1336-1A	36,000	35,000
HRG1342-1A	42,000	42,000
HRG1348-1A	48,000	48,000
HRG1360-1A	60,000	57,000

*Capacities shown with HAGV air handlers; capacities will vary slightly with other air handler or coil.

HRG Heat Pumps

Scroll compressors are efficient and reliable. Features include full metal louvered jacket, bi-directional filter-drier, and demand defrost. SEER rating varies with air handler or coil.

HRG14 (14 SEER) also available—see web site for specifications.

208/230V-1-60

1½ to 5 Tons



HAGV Air Handler

Super efficient variable speed with ECM blower motor for efficient, quiet operation; multi-position, optional electric heat. 13-16 SEER.

HAG Air Handler

Multi-position with optional electric heat, can be converted to downflow. Durable cabinet has R4.2 insulation. 13-14.5 SEER.

SEER rating varies with matched unit.



Model	Cap. Tons	Matched Units	
HAGV24-00-1A	1.5, 2.0	RSG13/14 -18,-24	HRG1318 & 1324
HAGV36-00-1A	2.5, 3.0	RSG13/14 -30,-36	HRG1330 & 1336
HAGV48-00-1A	3.5, 4.0	RSG13/14 -42,-48	HRG1342 & 1348
HAGV60-00-1A	5.0	RSG1360/1460	HRG1360
HAG24-00-1A	1.5, 2.0	RSG13/14 -18,-24	HRG1318 & 1324
HAG36-00-1A	2.5, 3.0	RSG13/14 -30,-36	HRG1330 & 1336
HAG48-00-1A	3.5, 4.0	RSG13/14 -42,-48	HRG1342 & 1348
HAG60-00-1A	5.0	RSG1360 & 1460	—
HAG61-00-1A	5.0	—	HRG1360

1½ to 5 Tons

208/230V-1-60

Model	Cap. Tons	Matched Units	SEER	Matched Units	SEER
AHGV24-0A	1.5, 2.0	RSG1318 & 1324	14	RSG1418 & 1324	15
AHGV36-0A	2.5, 3.0	RSG1330 & 1336	14	RSG1430 & 1336	14.5
AHGV48-0A	3.5, 4.0	RSG1342 & 1348	14	RSG1442 & 1348	15
AHGV60-0A	5.0	RSG1360	13.5	RSG1460	14.5
AHG24-0A	1.5, 2.0	RSG1318 & 1324	13	RSG1418 & 1324	14
AHG30-0A	2.5	RSG1330	13	RSG1430	14
AHG36-0A	3.0	RSG1336	13	RSG1436	14
AHG48-0A	3.5, 4.0	RSG1342 & 1348	13	RSG1442 & 48	14
AHG60-0A	5.0	RSG1360	13	—	14

115V-1-60

1½ to 5 Tons

Hydronic Air Handlers

AHGV Series

Super efficient variable speed with ECM blower motor. Multi-position, freeze protection in both cooling and heating.

AHG Series

Multi-position: vertical, horizontal left or right. Freeze protection in both heating and cooling.



Full range of coils for split system A/C installations—all with TXV

Uncased Coils

Upflow/counterflow, 1½ to 5 ton capacities.
CSG Series



Cased Coils

Upflow/counterflow, 1½ to 5 ton capacities. Durable cabinet. **VHG Series**



Cased Coils

Multi-position, 1½ to 5 ton capacities. Durable cabinet. **MHG Series**



Minimum 13 SEER with RSG13 units, 14 SEER with RSG14 units; 13 SEER with HRG13 heat pumps



95% Two Stage Gas Furnace

ECM variable speed blower motor provides even temperatures and improved indoor air quality. Two stage design operates at low speed most of the time to save energy, automatically ramps up to second stage when there's demand. Upflow only. **115V-1-60**

All models except -120 are Energy Star® rated.

Model	Hi Fire Input	Lo Fire Input	AFUE*
GTUV45-E3B	45,000	31,500	95.0%
GTUV60-E3B	60,000	42,000	95.0%
GTUV75-E3B	75,000	52,500	95.0%
GTUV75-E4B	75,000	52,500	95.0%
GTUV90-E5B	90,000	63,000	95.0%
GTUV105-E5B	105,000	73,500	95.0%
GTUV120-E5A	120,000	84,000	93.3%

Upflow	Down/Horiz	Input BTUH	AFUE*
GLUB45-E3A	GLDB45-E3A	45,000	95.0%
GLUB60-E3A	GLDB60-E3A	60,000	95.0%
GLUB75-E3A	—	75,000	95.0%
GLUB75-E4A	GLDB75-E4A	75,000	95.0%
GLUB90-E5A	GLDB90-E5A	90,000	95.0%
GLUB105-E5A	GLDB105-E5A	105,000	95.0%

95% Single Stage Gas Furnace

Two heat exchangers for efficiency, electronic ignition, integrated furnace control with on-board diagnostics, and easy-change filter. Low profile cabinet is ideal for replacements.

115V-1-60



Down/Horiz. = Downflow/Horizontal Configuration

Upflow	AFUE*	Input BTUH	Down/Horiz	AFUE*
GLUA45-E3B	93.5%	45,000	GLDH45-E3B	92.0%
GLUA60-E3B	92.5%	60,000	GLDH60-E3B	92.4%
GLUA75-E3C	92.8%	75,000	GLDH75-E3B	92.0%
GLUA75-E4C	92.0%	75,000	GLDH75-E4B	92.3%
GLUA90-E4B	93.5%	90,000	GLDH90-E4B	92.4%
GLUA105-E5B	92.0%	105,000	GLDH105-E5B	92.0%
GLUA120-E5B	93.5%	120,000	GLDH120-E5B	92.1%

92% Single Stage Gas Furnace

Two heat exchangers, direct spark ignition for reliability, integrated furnace control with on-board diagnostics, and easy-change filter. Low profile cabinet is ideal for replacements. **115V-1-60**



80% Gas Furnace

Non-condensing 80% gas furnace features direct spark ignition, in-shot burner and tubular heat exchanger. Low profile cabinet fits virtually any space. LP conversion kits are available. **115V-1-60**



Upflow/Horiz.	AFUE GMUH	Input BTUH	Downflow	AFUE GMDA
GMUH50-E3A	81.4%	50,000	GMDA50-E3A	82.2%
GMUH75-E3A	80.6%	75,000	GMDA75-E3A	80.5%
GMUH75-E4A	80.5%	75,000	GMDA75-E4A	81.1%
GMUH100-E3A	80.0%	100,000	GMDA100-E3A	80.2%
GMUH100-E5A	80.0%	100,000	GMDA100-E5A	80.0%
GMUH125-E5A	80.0%	125,000	GMDA125-E5A	80.0%
GMUH150-E5A	80.0%	150,000	GMDA150-E5A	80.0%

*AFUE=Annual Fuel Utilization Efficiency

Highboy	Output BTUH	AFUE	Lowboy	Output BTUH	AFUE
OUFA75-D3	58-74,000	83.0%	OLFA95-D4	85-97,000	81.0%
OUFA95-D4	85-97,000	81.0%	OLRA95-D4	85-97,000	81.0%
OUFA125-D5	113-125,000	81.0%	OLFA125-D5	113-125,000	81.0%
Horizontal	Output	AFUE	OLRA125-D5	113-125,000	81.0%
ODHA95-D3	85-97,000	81.0%	OLRA170-D5	140-168,000	80.0%
ODHA125-D5	113-125,000	81.0%	OLRA200-BH	196,000	80.0%
OHHA95-D3	85-97,000	81.0%	—	—	—

Oil Furnaces

Highboy and lowboy models with Beckett AFG oil burner and solid state ignition. With multi-speed direct drive blower, foil-faced insulation.



115V-1-60

		Blower Speed/	Blower
MGD60-E3B	60,000	3 Speed, 1200	1/3
MGD70-E3B	70,000	3 Speed, 1200	1/3
MGD77-E3B	77,000	3 Speed, 1200	1/3
MGD90-E3B	90,000	3 Speed, 1200	1/3
MGD60-E5B	60,000	4 Speed, 1600	3/4
MGD70-E5B	70,000	4 Speed, 1600	3/4
MGD77-E5B	77,000	4 Speed, 1600	3/4
MGD90-E5B	90,000	4 Speed, 1600	3/4



Gas Furnaces for Manufactured Homes 80% AFUE*

Specifically designed for installation in manufactured housing: sealed combustion system is safe and efficient. Cabinet is fully insulated for quiet operation.

115V-1-60

Complete line of accessories available.

A/C ready, matches with MSG coils for our condensers and heat pumps.

Air Conditioners and Heat Pumps for Manufactured Homes



208/230V-1-60

Efficient, compact units are ideal for rooftop installations or any place a self-contained unit is needed. Optional factory-installed electric heat.

Cooling Model	Cooling Cap. BTUH	Heat Pumps	Cooling Cap. BTUH	Heating Cap. BTUH
MAHG24A	23,800	MPHG24A	24,000	24,000
MAHG30A	28,800	MPHG30A	29,000	28,800
MAHG36A	35,800	MPHG36A	35,600	36,000
MAHG42A	41,500	MPHG42A	42,000	40,500
MAHG48A	46,000	MPHG48A	47,000	47,000
MAHG60A	60,000	MPHG60A	59,000	57,500

All models 13 SEER; heat pumps 7.7 HSPF

Model	Cooling BTUH	Heating BTUH
TGRG24C-1K-40	23,600	40,000
TGRG24C-1K-60	23,600	60,000
TGRG24C-1K-80	23,600	80,000
TGRG30C-1K-60	28,600	60,000
TGRG30C-1K-80	28,600	80,000
TGRG36C-1K-80	35,600	80,000
TGRG36C-1K-100	35,600	100,000
TGRG42C-1K-100	42,000	100,000
TGRG48C-1K-100	48,000	100,000
TGRG60C-1K-100	59,500	100,000

Package Gas Heat/ Electric Cooling

Self-contained units require only ductwork and a thermostat, making them suitable for a wide range of residential/commercial installations. Can be rooftop- or slab-mounted; built with superior water management features. Rated at 13 SEER.



208/230V-1-60

All products in this catalog are charged with or compatible with environmentally friendly R-410A except as noted.



**NEW for
2011**



Small Duct High Velocity Air Handling Systems

Air handling system with flexible ducts that fit behind walls, ceilings, floors to deliver conditioned air where needed. Small outlet ducts are just 2" to 2 1/2" in diameter. System is ultra-quiet and maintains the integrity of the home's interior appearance. Full range of accessories is available including outlet covers in many finishes or ready-to-finish.

Model	Cooling BTUH	Tons
SDAH18C-A1	Air Handler, Chilled Water Coil	1 - 1.5
SDAH18E-A1	Air Handler, Heat Pump Coil	1 - 1.5
SDHW-18	Hot Water Coil Module	1 - 1.5
SDAH24B-A1	Air Handler, Heat Pump Coil	1.5 - 2
SDAH24C-A1	Air Handler, Chilled Water Coil	1.5 - 2
SDCM24H-A	Coil Module/Hot Water Coil	1.5 - 2
SDHM24-A	Horizontal Return Air Module	1.5 - 2
SDAH36B-A1	Air Handler, HP Coil	2.5 - 3
SDAH36C-A1	Air Handler, Chilled Water Coil	2.5 - 3
SDCM36H-A	Hot Water Coil Module	2.5 - 3
SDHM36-A	Horizontal Return Air Module	2.5 - 3

208/230V-1-60

Model	Cooling BTUH	Tons
SDAH48B-A1	Air Handler, HP Coil	3.5 - 4
SDAH48C-A1	Air Handler, Chilled Water Coil	3.5 - 4
SDCM48H-A	Hot Water Coil Module	3.5 - 4
SDHM48-A	Horizontal Return Air Module	3.5 - 4
SDBM60-A1	Blower Module	5
SDCM60E-A	HP Coil Module	5
SDMC60C-A	Chilled Water Coil Module	5
SDCM60H-A	Hot Water Coil Module	5
SDVM60-A	Vertical Plenum Module	5
SDHM60-A	Horiz. Return Air Module	5

ROOM AIR PRODUCTS

Model	Nom. Cooling BTUH	Energy Star®	Wireless Remote	Power
RG-51	5,000	No	No	115V
RADS-51	5,200	Yes	Yes	115V
RADS-61	6,000	Yes	Yes	115V
RADS-81	8,000	Yes	Yes	115V
RADS-101	10,000	Yes	Yes	115V
RADS-121	12,000	Yes	Yes	115V
RAD-123	12,000	No	Yes	208/230V
RADS-151	15,000	Yes	Yes	115V
RADS-183	18,500	Yes	Yes	208/230V
RADS-253	25,000	Yes	Yes	208/230V
RAD-303A	28,500/29,200	No	Yes	208/230V

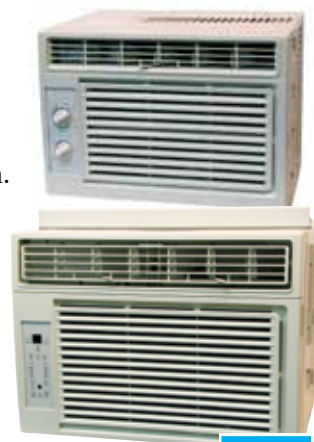
Appearance may vary from images shown.

Air Conditioners

5,000 to 30,000 BTUH

All units come with a window mounting system. Galvanized steel, painted cabinets are lightweight and finished in attractive stone white color. All have electronic controls and wireless remote, timer and energy saver mode except RG-51.

Easily accessed slide-out filter is washable, air direction is adjustable.



Air Conditioning with Electric Heat

Features 3-speed fan, 24-hour on/off timer, auto restart. For supplemental electric heat only.

Model	Cooling BTUH	Heating BTUH	Power
REG-81	8,000	3,500	115V
REG-123	11,600/12,000	8,500/11,000	208/230V
REG-183	18,200/18,500	13,000/16,000	208/230V
REG-253	24,700/25,000	13,000/16,000	208/230V



Casement/Slide Air Conditioner

Solves the problem of mounting a window A/C unit in a horizontal sliding or casement window. Features three fan speeds, four way adjustable air deflection, easy-access filter and wireless remote.

Model	Cooling BTUH	Air Delivery	Power
CD-101	10,000	306 CFM	115V
CD-121	11,500	290 CFM	115V

For windows 20 5/16" to 39 7/16" high and starting at 15 1/2" wide. Includes adjustable window mounting kit.



For supplemental heat. Includes window mounting kit and support brackets.

Room Air Heat Pumps

Perfect for any room needing heating and cooling. Units change over to supplemental electric heat automatically at 40° F outside temperature. Features electronic controls and wireless remote.

Model	Cooling BTUH	HP BTUH	Air Delivery
RAH-123	11,200/11,600	8,500/10,700	253 CFM
RAH-183	17,400/17,800	9,000/11,000	570 CFM



208/230V-1-60



* Indicates model is Energy Star® compliant

Thru-the-Wall Series

Sized to fit standard wall sleeve, includes an interior trim kit. Four way air deflection and multiple fan speeds for comfort, plus 12-hour on-off timer and energy saver mode. All model feature electronic controls and wireless remote.

Model	Cooling BTUH	Heating BTUH	Power
BG-81*	8,000	—	115V
BG-101*	10,000	—	115V
BG-103*	9,800/10,000	—	208/230V
BG-123*	11,700/12,000	—	208/230V
BG-143	13,600/14,000	—	208/230V
BGE-103	9,800/10,000	8,600/10,600	208/230V
BGE-123	11,700/12,000	8,600/10,600	208/230V

Model	Cooling BTUH	Design Type	Refrig. Type
PS-71B	7,000	Single Hose	R-22
PS-91B	9,000	Single Hose	R-410A
PD-121B	12,000	Dual Hose	R-410A

115V-1-60

PS Series has single hose for fast, easy installation. PD Series has dual hose system, using outside air to carry away heat from the room without exhausting cooled air, for maximum efficiency and comfort.

Portable A/C

Ideal for any room where temporary cooling is needed. Heavy duty casters and built-in handles make it easy to move unit. Built-in condensate management, electronic controls, 24 hour timer, and sliding adapters for windows.



Cooling Models	Nom. Cooling BTUH	Heat Pumps	Nom. Cooling BTUH	Heating Capacity BTUH
EKTC07-1G	7,700	EKTH07-1G	7,700	6,300
EKTC09-1G	9,000	EKTH09-1G	9,000	8,100
EKTC12-1G	12,000	EKTH12-1G	12,000	10,700
EKTC15-1G	15,000	EKTH15-1G	15,000	13,800

208/230V-1-60

PTACs & PTHPs

Electronic digital controls and temperature limiting for guest comfort and efficiency. All models include electric heat as standard. With built-in condensate and freeze protection.



Portable Dehumidifiers

Controls are easy to use; unit automatically shuts off when bucket is full. Features auto defrost and auto restart. All models are Energy Star® rated with low temp operation and easy-to-use top-mounted electronic controls.

Model	Capacity per Day	Bucket Capacity	Shipping Weight
BHD-301-G	30 pints	10.5 pints	32 lbs.
BHD-501-G	50 pints	21 pints	44 lbs.
BHD-651-G	65 pints	21 pints	46.5 lbs.



Condensate bucket is accessed from the front, has handy handholds on each side and an interior handle; unit can be adapted to direct drain.



Ductless Mini-Splits with Inverter Technology

208/230V-1-60



*VMH09, -12, and -18 models are Energy Star® compliant



Model	Specifications
VMH09SC-1*	9,000 cool/10,000 heat BTUH, heat pump
VMH12SC-1*	12,000 cool/12,500 heat BTUH, heat pump
VMH18SC-1*	17,500 cool/18,000 heat BTUH, heat pump
VMH24SC-1	23,000 cool/24,000 heat BTUH, heat pump

Super efficient heat pump mini-splits with variable speed compressors save up to 40% in energy consumption over standard models. Rated up to 20 SEER, with built-in low ambient operation. Includes remote.



Ductless Mini-Splits Single Zone

Efficient, economical comfort with cooling, fan only, dehumidify and sleep modes. Built with 24-hour timer and auto temperature compensation. Includes handy remote.



Model	Specifications (Nom. BTUH)
SMA09SC-0	9,000 BTUH; cooling only, 115V
SMA12SC-0	12,000 BTUH; cooling only, 115V
SMA18SC-1	18,000 BTUH; cooling only, 208/230V
SMA24SC-1	23,000 BTUH; , cooling only, 208/230V
SMH09SC-0	9,000 cool/10,000 heat BTUH; heat pump, 115V
SMH12SC-0	12,000 cool/12,500 heat BTUH, heat pump, 115V
SMH18SC-1	18,000 cool/18,000 heat BTUH, heat pump, 208/230V
SMH24SC-1	23,000 cool/23,000 heat BTUH, heat pump, 208/230V

Multi-Zone Mini-Split Heat Pumps with Inverter Technology

Cool and heat two, three or four separate rooms or areas. Each zone has an independently controlled air handler with remote. With triple filtration, multiple modes, and low temp operation. Indoor units can be mixed to best meet individual room load requirements (combined BTUH cannot exceed system maximum).

Outdoor	Zones	Indoor Units	Total BTUH
A-VMH18DC	Dual	9K + 9K	18,000
A-VMH27TC	Dual	9K + 12K	21,000
	Tri	12K + 12K	24,000
A-VMH36QC	Tri	9K + 9K + 9K	27,000
	Tri	9K + 9K + 12K	30,000
	Tri	9K + 12K + 12K	33,000
	Tri	12K + 12K + 12K	36,000
	Quad	9K + 9K + 9K + 9K	36,000



208/230V-1-60

Outdoor Unit	System Capacity
A-VMH18DC-1	18,000 BTUH cooling, 19,000 BTUH heating
A-VMH27TC-1	27,000 BTUH cooling, 28,000 BTUH heating
A-VMH36QC-1	36,000 BTUH cooling, 38,000 BTUH heating
Indoor Unit	Unit Capacity (per Zone)
B-VMH09FC-1	9,000 BTUH cooling, 10,000 BTUH heating
B-VMH12FC-1	12,000 BTUH cooling, 12,000 BTUH heating



Swirl Mode effectively reduces temperature stratification.

Includes a fully featured remote and wired thermostat. The remote display shows the actual room temperature.

Ceiling Cassettes

208/230V-1-60

For commercial applications. Packed with features, including plasma air purifying filter. Uses multi-stage compressor system for efficiency.

Model	Specifications
DMC24CA-1	23,500/24,000 BTUH, cooling only
DMC36CA-1	33,500/34,000 BTUH, cooling only

COMFORT-AIRE GEOTHERMAL/WATER SOURCE EQUIPMENT

Model	Capacity Modulation	Specs for Ground Water Installation	EER/COP
HTV/HTD/HTH024	Full Part	BTUH: 28,900 cooling/25,700 heating BTUH: 22,200 cooling/18,600 heating	24.5/4.8 30.8/5.1
HTV/HTD/HTH036	Full Part	BTUH: 41,200 cooling/36,700 heating BTUH: 30,200 cooling/24,800 heating	23.0/4.7 31.5/5.1
HTV/HTD/HTH048	Full Part	BTUH: 54,600 cooling/48,300 heating BTUH: 40,700 cooling/35,400 heating	22.5/4.7 28.7/5.1
HTV/HTD/HTH060	Full Part	BTUH: 68,600 cooling, 59,600 heating BTUH: 51,900 cooling, 41,800 heating	22.0/4.4 29.7/4.7
HTV/HTD/HTH070	Full Part	BTUH: 77,100 cooling, 70,200 heating BTUH: 59,800 cooling, 51,700 heating	19.9/4.3 24.5/4.3

BTUH Ratings: Cooling at 59°F entering water temp; heating at 50°F entering water temperature.

208/230-1-60



GeoMax2® Two Stage Geothermal Heat Pump (Package)

Exceptional efficiency with variable speed ECM blower motor and two-stage scroll compressor. Features microprocessor controls and performance monitoring system.



HTV upflow above; HTD downflow left; HTH horizontal far left.

Model	Capacity Modulation	Specs for Ground Water Installation	EER/COP
HTS024	Full Part	BTUH: 28,600 cooling/25,600 heating BTUH: 22,000 cooling/19,200 heating	23.2/4.7 29.4/4.6
HTS036	Full Part	BTUH: 40,100 cooling/35,900 heating BTUH: 28,000 cooling/24,400 heating	21.4/4.5 27.1/4.6
HTS048	Full Part	BTUH: 53,900 cooling/47,700 heating BTUH: 38,700 cooling/33,800 heating	20.9/4.6 26.8/4.7
HTS060	Full Part	BTUH: 63,800 cooling, 58,800 heating BTUH: 46,000 cooling, 42,300 heating	19.2/4.3 25.7/4.4

BTUH Ratings: Cooling at 59°F entering water temperature; heating at 50°F entering water temperature.

208/230-1-60

GeoMax2® Two Stage Geothermal Heat Pump (Split)

Exceptional efficiency with full/part load shifting and two-stage scroll compressor. Features, microprocessor controls, quiet operation and performance monitoring system.



Model	Specs for Ground Water Installation	EER/COP
HPV018	BTUH: 20,600 cooling/17,200 heating	24.2/4.4
HPV024	BTUH: 26,700 cooling/24,000 heating	20.9/4.1
HPV030	BTUH: 31,700 cooling/29,600 heating	20.1/4.1
HPV036	BTUH: 38,700 cooling/37,500 heating	20.7/4.0
HPV042	BTUH: 45,900 cooling/44,000 heating	19.6/3.8
HPV048	BTUH: 54,300 cooling/46,500 heating	20.5/4.1
HPV060	BTUH: 66,600 cooling/60,000 heating	19.9/3.9

BTUH Ratings: Cooling at 59°F entering water temperature; heating at 50°F entering water temperature.

208/230-1-60

HPV Geothermal Heat Pump

Efficient, single stage heat pump 1½ to 5 tons. With performance monitoring system and microprocessor controls. Large filter improves indoor air quality. Vertical cabinet, top air discharge, left or right return.



HWW Series Water-to-Water Systems

For a wide range of residential and industrial applications including radiant floors, ice melting, potable hot water, etc. Capable of ground water, ground loop and water loop applications, with microprocessor controls, scroll compressor, performance monitoring system.



Model	Specs for Water Loop Installation	EER/COP
HWW036A	BTUH: 33,000 cooling/44,000 heating	14.6/5.0
HWW060B	BTUH: 52,800 cooling/72,700 heating	14.3/4.7
HWW120B	BTUH: 105,600 cooling/145,400 heating	14.1/4.6

BTUH Ratings: cooling at 86°F entering water temperature; heating at 68°F entering water temperature.



LoopLogix™ Geothermal Design Software—Everything the contractor/installer needs to design loop fields, compare different types of heating/cooling systems, and prepare presentations for homeowners. Even helps contractors compile a bill of materials once the system is selected.

Go to www.arbboroaks/HeatController/LoopLogixInstall.exe to try it for yourself!

LoopLogix™ software can be downloaded FREE!



Commercial Water Source Heat Pumps



Compact units are both energy and space efficient. Ideal for replacements. Features performance monitoring system, quiet operation. For boiler/cooling tower applications; multiple units are connected by a water loop with independent control of each zone.

208/230V-1, 208/230V-3, 460V, 575V, 265V offered, but all voltages are not available in all models.



Model	Specs for Water Loop Installation	EER/COP
HBH/HBV006	BTUH: 5,800 cooling/7,500 heating	13.2/4.7
HBH/HBV009	BTUH: 8,800 cooling/11,600 heating	13.4/4.2
HBH/HBV012	BTUH: 11,700 cooling/15,200 heating	13.5/4.3
HBH/HBV015	BTUH: 14,500 cooling, 17,300 heating	15.4/5.0
HBH/HBV018	BTUH: 17,300 cooling, 21,500 heating	14.3/5.0
HBH/HBV024	BTUH: 23,700 cooling, 28,500 heating	13.4/4.7
HBH/HBV030	BTUH: 28,100 cooling, 35,100 heating	13.4/4.6
HBH/HBV036	BTUH: 34,500 cooling, 45,200 heating	13.5/4.4
HBH/HBV042	BTUH: 40,100 cooling, 52,700 heating	13.1/4.3
HBH/HBV048	BTUH: 47,700 cooling, 55,900 heating	13.3/4.7
HBH/HBV060	BTUH: 59,400 cooling, 77,000 heating	13.4/4.3

Water Loop installation: Cooling at 86° F entering water temperature, heating at 68° F entering water temperature.

Model	Specs for Water Loop Installation	EER/COP
HKV084A	BTUH: 82,000 cooling/101,000 heating	15.2/4.8
HKV096A	BTUH: 94,000 cooling/118,000 heating	15.0/4.7
HKV120A	BTUH: 118,000 cooling/144,000 heating	15.0/5.0
HKV150A	BTUH: 150,000 cooling, 186,000 heating	14.0/4.7
HKV168A	BTUH: 166,000 cooling, 204,000 heating	15.5/4.9
HKV192A	BTUH: 190,000 cooling, 238,360 heating	15.3/4.8
HKV240A	BTUH: 238,500 cooling, 291,000 heating	15.3/5.1
HKV300A	BTUH: 300,000 cooling, 372,000 heating	14.0/4.7

Specifications for HKV and HBH Large Capacity:
Water Loop installation: Cooling at 86° F entering water temperature, heating at 68° F entering water temperature.
208/230V-3-60, 460V-3-60, 575V-3-60 available.

Model	Specs for Water Loop Installation	EER/COP
HBH072A	BTUH: 69,000 cooling/92,500 heating	13.3/5.0
HBH096A	BTUH: 95,000 cooling/123,000 heating	13.7/5.0
HBH120A	BTUH: 119,000 cooling/160,000 heating	13.3/4.6

Large Capacity Commercial Water Source Heat Pumps

Ideal for large spaces such as gyms, cafeterias, commons areas. HKV units feature microprocessor controls, performance monitoring system and dual circuits in the four largest models. Available in front or back return, and a variety of discharge locations and voltages.

Large capacity horizontal units feature dual scroll compressors. Available in left or right return, and a variety of discharge locations—can be field converted.



Geothermal Accessories—See brochure HCI-GTA-B for all accessories.

Comfort-Aire offers a full range of accessories for geothermal and water source installations including pressurized and non-pressurized

loop pumps, flow meters, flush cart, fusion kit, neoprene and stainless steel hoses with and without shut-off valves.

COMFORT-AIRE COMMERCIAL EQUIPMENT



Industrial Oil Furnace 225,000 to 450,000 BTUH

Large capacity makes these ideal for churches, schools and commercial buildings. Can be installed either vertically or horizontally. Twin blowers are mounted on rails to be serviced from either side. 81% steady state efficiency.

Model	Firing Rate GPH	BTUH Output	Nozzle Size
LG14-225/275B40	2.0	225,000	2.0 70°B
	2.5	275,000	2.5 60°B
LG14-350/450B60	3.0	350,000	3.0 70°B
	4.0	450,000	4.0 60°B

Model	Oil Burner
LG14-225/275B40	A501-1
LG14-350/450B60	A502-1

Oil burners must be ordered separately.

All models 230V-1-60

Models	Gross Cooling Cap. BTUH	EER/SEER	Heating Input CFM
TGCG036A	36,800	11.4/13.0	120,000
TGCG042A	42,500	11.2/13.0	120,000
TGCG048A	50,000	11.45/13.0	135,000
TGCG060A	61,000	11.1/13.0	135,000

*All models 208/230V-1-60, 208/230-3-60, or 460V-3-60.
A full range of accessories is available.*

Gas/Electric Combination Heat/Cool 3 to 5 Tons

Can be rooftop- or slab-mounted. Direct spark ignition for heating; scroll compressor for cooling efficiency. Field convertible horizontal and downflow airflow. AFUE 80%.



Gas/Electric Combination Heat/Cool

6 to 20 Tons



Can be rooftop- or slab-mounted. Direct spark ignition and on-board diagnostics for heating; scroll compressor for cooling efficiency. Two compressors on all models except 6 and 7.5 ton. Field convertible horizontal and downflow airflow. Superior water management features. Steady state efficiency 81%.

Models	Gross Cooling Cap. BTUH	EER/SEER	Heating Input 1 Stage/2 Stage
TGCG072A	76,000	11.5	75,000/150,000
TGCG085A	88,000	11.2	75,000/150,000
TGCG090A	93,000	11.2	112,000/225,000
TGCG102A	101,000	11.2	112,000/225,000
TGCG120A	123,000	11.2	112,000/225,000
TGCG150A	156,000	11.0	126,000/252,000
TGCG180A	188,000	11.1	175,000/350,000
TGCG240A	244,000	11.1	200,000/400,000

All models in 208/230-3-60 or 460V-3-60.

A full range of accessories is available and unit is pre-wired to accept plug-in economizer.

Models	Net Cooling Cap. BTUH	EER	Net Cooling CFM	No. of Comp.
SW036	36,900	13.2	1200	1
SW060	61,000	12.5	2000	1
SW096	98,000	13.2	3200	2
SW240	246,000	11.6	8000	2

Package Water-Cooled A/C

The SW Series can handle harsh climates with a coated steel cabinet that offers superior corrosion resistance. Three and 5 ton models have single circuit; 8 and 20 ton models have two circuits. Hermetic scroll compressors are efficient, while rubber isolator mountings reduce vibration. R-22.



Comfort-Aire®

3 to 20 Tons
208/230V-1-60



Rooftop Package A/C 6 to 25 Tons

Self-contained units feature durable cabinets, easily accessed controls and components, and convertible horizontal and vertical airflow design. With Copeland scroll compressors for efficiency; 7.5 through 25 tons models have two stage compressors.

All models in 208/230-3-60 or 460V-3-60. A full range of accessories is available.

Models	Net Cooling Cap. BTUH	EER	Indoor CFM
PCG072A	73,000	11.5	2375
PCG085A	85,000	11.2	3000
PCG090A	90,000	11.2	2775
PCG102A	97,000	11.2	3200
PCG120A	118,000	11.2	3750
PCG150A	148,000	11.0	4400
PCG180A	182,000	11.1	5900
PCG240A	234,000	11.1	7725
PCG300A	294,000	10.0	9475



Commercial Split System A/C

3 to 5 tons, with all the same great features of the single phase models: full louvered jacket, scroll compressor, top air discharge. Can be matched with coils shown on page 3.

Models	Cooling Cap. BTUH	EER	Power
RSG1336-3B	33,800	11.15	208/230-3-60
RSG1348-3B	46,000	11.2	208/230-3-60
RSG1360-3B	56,500	11.0	208/230-3-60
RSG1360-4B	56,500	11.0	460-3-60

	Cooling		Air Handler
RSG078A3	77,000/77,000	11.2/11.2	AHCG090A
RSG078A4	77,000	11.2	AHCG090A
RSG090A3	90,000/90,000	11.2/11.2	AHCG090A
RSG090A4	90,000	11.2	AHCG090A
RSG090A4	92,000	11.4	AHCG120A
RSG120A3	117,000/117,000	11.2/11.2	AHCG120A
RSG120A4	117,000	11.2	AHCG120A
RSG125A3	116,000/116,000	11.2/11.2	AHCG120A
RSG125A4	116,000	11.2	AHCG120A
RSG150A3	146,000/146,000	11.1/11.1	AHCG180A
RSG150A4	146,000	11.1	AHCG180A
RSG180A3	178,000/178,000	11.0/11.0	AHCG180A
RSG180A4	178,000	11.0	AHCG180A
RSG240A3	244,000/244,000	10.0/10.0	AHCG240A
RSG240A4	244,000	10.0	AHCG240A

Commercial Split System Air Conditioning

6 1/2 to 20 Tons

Built with scroll compressors for efficiency and long life, -125 through -240 models have tandem compressors; compressors mounted on rubber grommets to minimize vibration. Features crankcase heater, condenser fan motor (direct drive PSC) and filter-drier. A wide variety of accessories, including low ambient kit, is available.

All sizes available in 208/230V-3-60 or 460V-3-60.



Air Handler for Split Systems 7 1/2 to 20 Tons

For use with commercial split system A/C units; low profile unit can be installed either vertically or horizontally without adaptation.

Built with dual circuit manifold for dual condensing units applications; shipped with fittings for single unit. AHRI matched to RSG commercial condensers.

All units dual voltage: 208/230V-3-60 and 460V-3-60. A full range of accessories is available.

Models	Nominal Tons	Motor H.P.	CFM at Rated ESP
AHCG090A-ZK	7.5	1.0	3000 @ .25"
AHCG090A-ZL	7.5	1.5, 2.0	3000 @ .25"
AHCG120A-ZK	10.0	1.5	4000 @ .30"
AHCG120A-ZL	10.0	2.0, 3.0	4000 @ .30"
AHCG180A-ZK	15.0	2.0	6000 @ .35"
AHCG180A-ZL	15.0	3.0, 5.0	6000 @ .35"
AHCG240A-ZK	20.0	5.0	8000 @ .40"
AHCG240A-ZL	20.0	7.5	8000 @ .40"

Packaged Thru-the-Wall Heat Pump

PTAC-type heat pump combines sleek design with cooling, heating, air circulation. Two built-in electric heaters integrate with heat pump for 10,000 BTUH heating. Easy installation with plug-in power. Single unit mounts on interior wall with exterior outlets for air intake/exhaust and condensate drain.

Cooling Capacity	Total Heating Capacity	Electric Heat Capacity	EER	Dimensions (in inches)
9,890 BTUH	10,060 BTUH	6,800 BTUH	10.73	43H x 23W x 9.7W

208/230V-1-60



RPHE-103G

There are many reasons Comfort-Aire has become known throughout the industry as THE SOURCE for heating and cooling equipment. First, we're a one-stop shop for nearly every application—our line runs the gamut from window-mount room air conditioners...to residential split and packaged systems...to commercial equipment with capacities up to 25 tons. Among our fastest growing product groups are geothermal and water source heat pumps. Their extraordinary efficiency combined with available tax credits make them popular for both home installations and commercial/industrial applications.

Secondly, we make it easy for you to do business with us. No minimum order quantities are required and we ship freight prepaid on orders of 30 units or more (drop ship charges may apply). Twice a year we offer stocking programs with great discounts and dating terms, allowing you to plan ahead for the equipment and parts needed for the upcoming heating or cooling season. And to help customers purchase new systems, you can offer our consumer financing programs with attractive rates; another value-added component is AssurancePlus®, our extended service agreement program.

We're also known for in-season availability. That means if, in the heat of the summer, you run out of condensers or mini-splits, there's a good chance we'll have what you need in our warehouse and in many instances we'll be able to ship the next day. All of which makes it easy for you to control your inventory while meeting customer needs.

Additionally, we back our products with outstanding warranties and after-sales support. Experienced technicians can help diagnose and solve installation, operation and service issues over the phone, and they're backed up by sales representatives throughout the country who are knowledgeable about our products and their applications. Our web site is another resource with owners' manuals and other technical documentation available for download at any time of the day or night.

Most importantly, the entire Comfort-Aire team is dedicated to being THE SOURCE by exceeding the expectations of our distributors, dealers and consumers.

DUE TO ONGOING PRODUCT IMPROVEMENT, DESIGN, MATERIALS, SPECIFICATIONS
AND APPEARANCE ARE SUBJECT TO CHANGE WITHOUT NOTICE.

Comfort-Aire®
by HEAT CONTROLLER, INC.

1900 WELLWORTH AVE., JACKSON MICHIGAN 49203 • www.comfort-aire.com