



VIESSMANN

AIR-TO-AIR HEAT PUMP SYSTEM

Ductless single zone heat pump solution

VITOCAL 100-S



**Reliable comfort in
extreme climates**
Powerful low ambient
air-to-air heat pump
system.



R454B

▀ Innovative high-performing HVAC solutions for single zone comfort ▀



Reasons to love ductless

Bring Comfort To Any Space In Any Condition

With extreme temperature performance, Viessmann ductless units provide reliable heating and cooling even in extreme weather, from -22°F to 122°F (-30°C to 50°C). With indoor unit choices for every space and style, you can easily deliver and maintain individualised comfort to a single room or an entire home. Single zone units allow the simple pairing of one indoor unit per outdoor unit.

Save On Energy And Operational Costs

Increase comfort with lower energy use. Our single zone ductless units deliver up to 27.5 SEER2 and 14.8 HSPF2 ratings. Reduce costs with ENERGY STAR® certified units.

Enjoy Ultimate System Flexibility and ease of use

Products feature an intelligent Eye Sensor. This unique occupancy sensor detects activity in a room and adjusts the angle of airflow for optimum comfort. Flexible modes allow for maximum comfort such as Eco Mode for extra efficiency, or Turbo Mode to quickly cool or heat a space.

Sustainable Solution

High Efficiency R454B refrigerant achieves a 75% reduction in global warming potential and is non-ozone depleting for a lower climate impact.

Improve Air Quality

Breathe easier with enhanced indoor air quality. Our built-in reusable filters (available in all indoor units) effectively remove odors, allergens and pollutants for cleaner, fresher air and lower maintenance costs. Just pull them out, rinse them off and re-install.

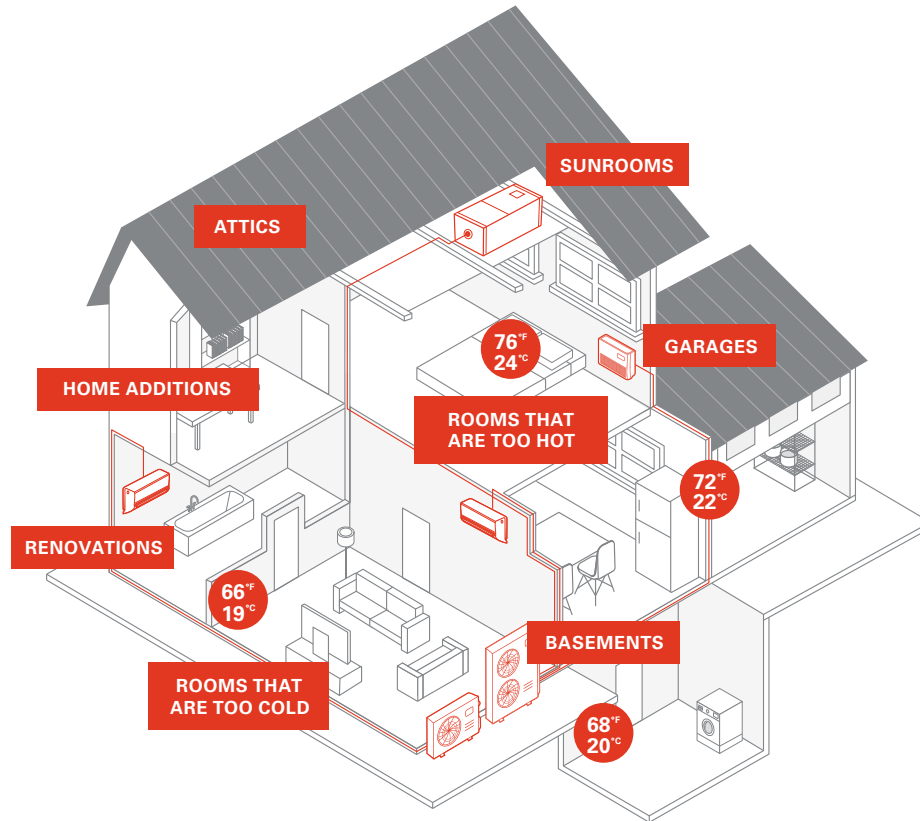
Rapid Cooling and Heating

After startup, the compressor quickly gets up to maximum speed, cooling or heating the room in minutes.

Whisper Quiet Operation

Ultra-quiet operation reduces noise pollution both indoors and out for more peaceful, comfortable spaces.

Deliver personalized comfort to any room



Options for every space & style

Select the system that's right for you or find the perfect combination for whole-home comfort.

HIGH WALL	FLOOR CONSOLE OR UNDER CEILING	DUCTED	CEILING CASSETTE	MULTI-POSITION AIR HANDLER	ONE-WAY CASSETTE	OPTIONAL WIRED CONTROLLER
						
+ Wall-mounted + Whisper-quiet + Eco mode	+ Mounted near floor or under ceiling + Slim profile + Outside air intake to keep air fresh and clean	+ Recessed into wall or ceiling + Maximum installation flexibility + Improved ventilation	+ Recessed into ceiling or under floor + Discrete or hidden installation + 360-degree airflow	+ Connects to existing ductwork + Replaces existing furnace + Hidden from view	+ Recessed into ceiling + Slim and compact + Follow Me temperature sensor	+ Wall-mounted + 7-day programmable + Customizable schedules

▶ The Vitocal 100-S ductless system cuts energy costs up to 60% while offering dependable performance in temperatures from -22°F to 122°F (-30°C to 50°C) ▶



A temperature sensing, wireless remote controller included with most indoor units helps adjust and maintain ideal temperatures at your exact location in the room.

Ductless systems are becoming an increasingly popular HVAC choice in homes and businesses across North America. Why? They use the same process as traditional HVAC systems to heat and cool your home or business just without the need for ductwork. Often called "mini-splits," these systems work by connecting a single outdoor unit to one or more indoor units through flexible refrigerant tubing. So they are simple to install just about anywhere. And because ductless units are placed directly in the room, they offer precise temperature control, better energy efficiency and cost-effective comfort year-round.

Versatile HVAC Systems For Endless Comfort Possibilities

Ductless systems are unique, generating climate-controlled air without the use of traditional ductwork. Compact and sleek, they can be used in single or multiple zones to create endless possibilities for personalized HVAC systems. Ductless indoor units integrate neatly into a space. They are installed in the least obtrusive but most effective

area to quietly direct air to every corner of the room. And the indoor unit(s) simply connects to the outdoor unit with a hidden conduit.

Ductless Solutions Deliver On Benefits

To help you stay competitive and successful, Viessmann offers a family of flexible ductless solutions that fit a range of needs. Extremely efficient and high-performing, these systems help solve your customers' biggest heating and cooling challenges

Inverter Technology That Adapts To Your Climate

Viessmann ductless systems use inverter technology which continually adjusts the compressor speed as conditions change for consistent comfort with lower energy usage. Plus, enjoy year-round comfort with powerful low ambient heating and cooling down to -22°F (-30°C). 100% Heating capacity at 5F (-15C)*.

* Outdoor unit operating ranges may vary by model

Simple installation and maintenance

Flexible Application

Piping flexibility up to a total piping length of 164 ft. (50 m.).

Minimal Installation

Because there are no ducts, installation is a breeze - no tearing open walls, patching, or repainting required!

Low Ambient Cooling Kit

With a built-in Low Ambient Cooling Kit or specially designed PCB, outdoor fan speeds can be changed automatically based on the temperature. The unit can run cooling operation even in low ambient temperatures.

One-Person Installation & Cleaning

Easy-install mounting brackets firmly support the high wall unit, while tabs prop open the cover for hassle-free cleaning and filter changes.

Future Ready Refrigerant

Sustainable and Highly efficient, R454B provides 75% less GWP and Zero ODP while maintaining high performance even in harsh climates.

Third-Party Thermostat Compatibility

With the optional 24V interface kit, Viessmann ductless systems work with any third-party or smart thermostat.

Factory Matched

Pick from a selection of indoor units that have been engineered to match perfectly with our Vitocal 100-S outdoor unit to deliver maximum performance and comfort.

Larger Capacity Options

The Viessmann single zone line of ductless heat pumps is offered in capacities large enough to accommodate light commercial applications while delivering the same quiet optimized performance of our residential capacities.



CHALLENGES DUCTLESS CAN SOLVE

- + Older buildings with baseboard heating or no ductwork
- + Rooms that are difficult to heat or cool
- + Attic or garage buildings
- + Tight quarters

BENEFITS AT A GLANCE

- + Energy savings - Up to 27.5 SEER2 and 14.8 HSPF2
- + Comfort in any climate - Operate in temperatures as low as -22°F (-30°C) and as high as 122°F (50°C). Can serve as the primary heat source, eliminating the need for a backup
- + Environmentally Sustainable R454B Refrigerant
- + Easy maintenance and Installation - Reusable filters enable higher efficiency and lower costs. No major renovations, patching or painting required
- + Personalized comfort matched indoor units for every space and style
- + Flexible options - Compatible with third-party thermostats with built-in 24V interface kit
- + ENERGY STAR certified models

PERFORMANCE DATA

High Wall Indoor Unit
Vitocal IND-H / D5FSHAH Series

Indoor model		D5FSHAH06XAK	D5FSHAH09XAK	D5FSHAH12XAK	D5FSHAH18XAK	D5FSHAH24XAK	D5FSHAH30XAK	D5FSHAH33XAK
Power supply	V;Ph;Hz	208/230V;1Ph;60HZ	208/230V;1Ph;60HZ	208/230V;1Ph;60HZ	208/230V;1Ph;60HZ	208/230V;1Ph;60HZ	208/230V;1Ph;60HZ	208/230V;1Ph;60HZ
Cooling Rated Capacity (DOE A2 - 95°F)	Btu/h	6000	9000	12000	18000	24000	30000	33000
Cooling Capacity Range	Btu/h	2300~12600	3800~13500	3800~14600	8800~19400	12600~27900	6500~32800	15000~37000
SEER2	Btu/h.W	25.7	27.5	25.5	21.5	21.2	20.5	19.6
EER2 (DOE A2 - 95°F)	Btu/h.W	18	15.5	13.5	12.5	13	12	12
Heating Rated Capacity (DOE H12 - 47°F)	Btu/h	7000	12000	12000	18000	29000	30000	36000
Heating Capacity Range	Btu/h	3000~11000	3800~16000	3800~16000	11200~19500	11800~29700	12600~31400	19700~37800
COP (DOE H12 - 47°F)	W/W	4.2	3.76	3.76	3.26	3.42	3.08	3.37
HSPF2 IV	Btu/h.W	14.8	12.5	10.5	11	13.5	9.5	10.5
HSPF2 V	Btu/h.W	11.5	9.5	8	8.5	9.8	7.2	8.6
Cooling Rated Capacity (DOE B2 - 82°F)	Btu/h	6700	9500	12700	18500	26600	32600	37000
EER2 (DOE B2 - 82°F)	Btu/h.W	23.8	20.5	16.5	15.5	16.3	14.9	15.4
Heating Rated Capacity (DOE H32 - 17°F)	Btu/h	7900	9800	9800	15000	21000	20400	30000
COP (DOE H32 - 17°F)	W/W	2.78	2.7	2.7	2.55	2.88	2.52	2.69
Heating Maximum Capacity (17°F)	Btu/h	9200	12800	12800	19200	25000	21500	30200
Heating Rated Capacity (DOE H42 - 5°F)	Btu/h	7700	11500	11500	18000	24200	20000	35000
COP (DOE H42 - 5°F)	W/W	2.39	1.8	1.8	1.92	2.34	2.03	1.98
Heating Maximum Capacity (5°F)	Btu/h	7700	11500	11500	18000	24200	20000	35000

Cassette Indoor Unit
Vitocal IND-C / D5FSCAH, D5FLCAH Series

Indoor model		D5FSCAH09XAK	D5FSCAH12XAK	D5FSCAH18XAK	D5FSCAH24XAK	D5FLCAH36XAK	D5FLCAH48XAK
Power supply	V;Ph;Hz	208/230V;1Ph;60HZ	208/230V;1Ph;60HZ	208/230V;1Ph;60HZ	208/230V;1Ph;60HZ	208/230V;1Ph;60HZ	208/230V;1Ph;60HZ
Cooling Rated Capacity (DOE A2 - 95°F)	Btu/h	9000	12000	16000	23400	36600	48000
Cooling Capacity Range	Btu/h	3700~13600	3800~15100	7000~18500	12800~26200	4900~38000	4900~52700
SEER2	Btu/h.W	22.7	22.3	20	20.8	21.3	18.2
EER2 (DOE A2 - 95°F)	Btu/h.W	14	12.7	12.5	12	12	10
Heating Rated Capacity (DOE H12 - 47°F)	Btu/h	10000	12000	19000	25000	37000	53000
Heating Capacity Range	Btu/h	5100~15700	5300~16200	8700~20000	11500~30700	11400~44600	19000~57400
COP (DOE H12 - 47°F)	W/W	4	3.7	3.18	3.54	3.43	3.09
HSPF2 IV	Btu/h.W	12.2	11.6	12.4	11.6	10.6	11
HSPF2 V	Btu/h.W	9.3	8.9	9.5	9.2	8.8	8.8
Cooling Rated Capacity (DOE B2 - 82°F)	Btu/h	10600	14800	17500	24400	37800	51000
EER2 (DOE B2 - 82°F)	Btu/h.W	18.0	17.0	16.0	14.7	14.4	12.2
Heating Rated Capacity (DOE H32 - 17°F)	Btu/h	9700	10000	14900	20400	30600	44000
COP (DOE H32 - 17°F)	W/W	2.63	2.74	2.7	2.78	2.56	2.44
Heating Maximum Capacity (17°F)	Btu/h	12600	12900	18000	23900	46200	48000
Heating Rated Capacity (DOE H42 - 5°F)	Btu/h	11000	11500	17000	23800	37000	47500
COP (DOE H42 - 5°F)	W/W	1.84	2	1.9	2.23	1.95	1.96
Heating Maximum Capacity (5°F)	Btu/h	11000	11500	17000	23800	37000	47500

Ducted Indoor Unit

Vitocal IND-D / D5FSDAH Series

Indoor model		D5FSDAH06XAK	D5FSDAH09XAK	D5FSDAH12XAK	D5FSDAH18XAK
Power supply	V;Ph;Hz	208/230V;1Ph;60HZ	208/230V;1Ph;60HZ	208/230V;1Ph;60HZ	208/230V;1Ph;60HZ
Cooling Rated Capacity (DOE A2 - 95°F)	Btu/h	6500	9000	12000	17000
Cooling Capacity Range	Btu/h	3300~11800	3400~13500	3400~13500	6500~18800
SEER2	Btu/h.W	21.5	21.5	20	18
EER2 (DOE A2 - 95°F)	Btu/h.W	14.5	13.5	12	12
Heating Rated Capacity (DOE H12 - 47°F)	Btu/h	8000	10000	12500	19000
Heating Capacity Range	Btu/h	3700~13100	3800~16200	3800~16200	8900~22000
COP (DOE H12 - 47°F)	W/W	4.01	3.53	3.39	3.37
HSPF2 IV	Btu/h.W	13.8	12.5	10.2	10.8
HSPF2 V	Btu/h.W	10.8	9.7	8.2	9
Cooling Rated Capacity (DOE B2 - 82°F)	Btu/h	7500	10100	12700	18000
EER2 (DOE B2 - 82°F)	Btu/h.W	20	18	14.5	15
Heating Rated Capacity (DOE H32 - 17°F)	Btu/h	8000	9600	9600	15000
COP (DOE H32 - 17°F)	W/W	2.7	2.5	2.5	2.7
Heating Maximum Capacity (17°F)	Btu/h	9100	12600	13100	19000
Heating Rated Capacity (DOE H42 - 5°F)	Btu/h	7800	11200	11800	18000
COP (DOE H42 - 5°F)	W/W	2.4	1.89	1.9	2
Heating Maximum Capacity (5°F)	Btu/h	7800	11200	11800	18000

Console Indoor Unit

Vitocal IND-F / D5FSFAH, D5FCFAH Series

Indoor model		D5FSFAH09XAK	D5FSFAH12XAK	D5FSFAH18XAK	D5FCFAH18XAK	D5FCFAH24XAK	D5FSCAH36XAK	D5FSCAH58XAK
Power supply	V;Ph;Hz	208/230V;1Ph;60HZ	208/230V;1Ph;60HZ	208/230V;1Ph;60HZ	208/230V;1Ph;60HZ	208/230V;1Ph;60HZ	208/230V;1Ph;60HZ	208/230V;1Ph;60HZ
Cooling Rated Capacity (DOE A2 - 95°F)	Btu/h	9000	12000	16000	17000	22000	36600	54000
Cooling Capacity Range	Btu/h	3700~13700	3700~14000	6500~17200	7400~19200	12700~25600	4900~38000	20000~54500
SEER2	Btu/h.W	27.3	25	20.2	20.5	20.5	21.3	18.1
EER2 (DOE A2 - 95°F)	Btu/h.W	15.2	12.7	12.5	12.6	12	12	9
Heating Rated Capacity (DOE H12 - 47°F)	Btu/h	9000	12000	17000	19000	26000	37000	60000
Heating Capacity Range	Btu/h	4400~16100	4400~16100	6500~20000	8300~20700	11300~29500	11400~44600	21700~65500
COP (DOE H12 - 47°F)	W/W	4.43	3.88	2.85	3.07	3.34	3.43	3.02
HSPF2 IV	Btu/h.W	10.9	10.6	10.3	10.3	12.1	10.6	10.7
HSPF2 V	Btu/h.W	8.9	8.3	8.7	8.2	9.8	8.8	8.5
Cooling Rated Capacity (DOE B2 - 82°F)	Btu/h	9600	12500	17000	18300	24600	37800	57500
EER2 (DOE B2 - 82°F)	Btu/h.W	18.6	15.4	15	15.7	15.7	14.4	11.1
Heating Rated Capacity (DOE H32 - 17°F)	Btu/h	9800	9800	14200	14400	20200	30600	41000
COP (DOE H32 - 17°F)	W/W	2.71	2.71	2.6	2.54	2.74	2.56	2.33
Heating Maximum Capacity (17°F)	Btu/h	12200	12300	18800	20200	23300	46200	58000
Heating Rated Capacity (DOE H42 - 5°F)	Btu/h	11300	11300	17500	17000	24200	37000	54000
COP (DOE H42 - 5°F)	W/W	1.84	1.88	1.95	1.86	2.16	1.95	1.91
Heating Maximum Capacity (5°F)	Btu/h	11300	11300	17500	17000	24200	37000	54000

High Static Ducted Indoor Unit Vitocal IND-D / D5FSDAH Series

Indoor model		D5FSDAH09XHK	D5FSDAH12XHK	D5FSDAH18XHK	D5FSDAH24XHK
Power supply	V;Ph;Hz	208/230V;1Ph;60HZ	208/230V;1Ph;60HZ	208/230V;1Ph;60HZ	208/230V;1Ph;60HZ
Cooling Rated Capacity (DOE A2 - 95°F)	Btu/h	9000	12000	17500	24000
Cooling Capacity Range	Btu/h	3000~13100	3000~13300	4000~20600	5000~28000
SEER2	Btu/h.W	20.6	20.2	18.5	19.2
EER2 (DOE A2 - 95°F)	Btu/h.W	14	12	12.1	12
Heating Rated Capacity (DOE H12 - 47°F)	Btu/h	9900	12000	19500	26000
Heating Capacity Range	Btu/h	3900~16500	3900~16500	5400~23000	7300~31400
COP (DOE H12 - 47°F)	W/W	3.88	3.63	3.6	3.81
HSPF2 IV	Btu/h.W	13.8	10.6	11.1	11.7
HSPF2 V	Btu/h.W	10.8	8.5	9	9.3
Cooling Rated Capacity (DOE B2 - 82°F)	Btu/h	9800	13100	18700	25000
EER2 (DOE B2 - 82°F)	Btu/h.W	17.9	15.6	16.2	14.7
Heating Rated Capacity (DOE H32 - 17°F)	Btu/h	10200	10200	15000	21600
COP (DOE H32 - 17°F)	W/W	2.45	2.59	2.89	2.7
Heating Maximum Capacity (17°F)	Btu/h	12600	13900	20000	23500
Heating Rated Capacity (DOE H42 - 5°F)	Btu/h	11900	12000	18000	24000
COP (DOE H42 - 5°F)	W/W	1.85	1.95	2.1	2.18
Heating Maximum Capacity (5°F)	Btu/h	11900	12000	18000	24000

One Way Cassette Indoor Unit Vitocal IND-O / D5FSOAH Series

Indoor model		D5FSOAH06XAK	D5FSOAH09XAK	D5FSOAH12XAK	D5FSOAH18XAK
Power supply	V;Ph;Hz	208/230V;1Ph;60HZ	208/230V;1Ph;60HZ	208/230V;1Ph;60HZ	208/230V;1Ph;60HZ
Cooling Rated Capacity (DOE A2 - 95°F)	Btu/h	6500	9000	12000	16700
Cooling Capacity Range	Btu/h	3600~11200	4000~12900	4000~13900	5700~19000
SEER2	Btu/h.W	22	24	23	20.7
EER2 (DOE A2 - 95°F)	Btu/h.W	15.2	14.7	13	12.5
Heating Rated Capacity (DOE H12 - 47°F)	Btu/h	7400	10900	12500	20000
Heating Capacity Range	Btu/h	3700~11500	3800~13900	4600~15200	8900~22000
COP (DOE H12 - 47°F)	W/W	3.75	3.71	3.56	3.01
HSPF2 IV	Btu/h.W	12	12.2	10.2	12.2
HSPF2 V	Btu/h.W	10.3	9.5	8.2	9.2
Cooling Rated Capacity (DOE B2 - 82°F)	Btu/h	6800	10000	13500	17500
EER2 (DOE B2 - 82°F)	Btu/h.W	19.2	20	16.1	15
Heating Rated Capacity (DOE H32 - 17°F)	Btu/h	7000	9000	9600	14500
COP (DOE H32 - 17°F)	W/W	2.65	2.45	2.66	2.5
Heating Maximum Capacity (17°F)	Btu/h	9500	11900	11900	18800
Heating Rated Capacity (DOE H42 - 5°F)	Btu/h	8100	10600	11500	17500
COP (DOE H42 - 5°F)	W/W	2.4	1.83	2	1.89
Heating Maximum Capacity (5°F)	Btu/h	8100	10600	11500	17500

Air Handler Indoor Unit

Vitocal IND-A / D5FSAAH , D5FLAAH Series

Indoor model		D5FSAAH18XBK	D5FSAAH24XBK	D5FSAAH36XBK	D5FLAAH36XAK	D5FLAAH48XAK	D5FLAAH60XAK
Power supply	V;Ph;Hz	208/230V;1Ph;60HZ	208/230V;1Ph;60HZ	208/230V;1Ph;60HZ	208/230V;1Ph;60HZ	208/230V;1Ph;60HZ	208/230V;1Ph;60HZ
Cooling Rated Capacity (DOE A2 - 95°F)	Btu/h	18000	23000	33000	36000	48000	54000
Cooling Capacity Range	Btu/h	6000~20400	7500~27000	15000~39000	5700~36400	7300~55500	13700~58000
SEER2	Btu/h.W	18.2	18.8	16.7	17.3	17	15.4
EER2 (DOE A2 - 95°F)	Btu/h.W	12	12	11.7	11.7	10.1	10
Heating Rated Capacity (DOE H12 - 47°F)	Btu/h	19500	26000	35000	38000	50000	59000
Heating Capacity Range	Btu/h	5000~21600	8800~29000	15000~41500	9500~44000	9500~65000	10000~66100
COP (DOE H12 - 47°F)	W/W	3.64	3.5	3.66	3.39	3.5	3.36
HSPF2 IV	Btu/h.W	10.1	10	10	9.5	10.2	9.2
HSPF2 V	Btu/h.W	8.3	8	8.4	8	8.1	7.7
Cooling Rated Capacity (DOE B2 - 82°F)	Btu/h	21000	25800	34200	36200	52000	56000
EER2 (DOE B2 - 82°F)	Btu/h.W	15.4	15.6	14	13.5	12	11.5
Heating Rated Capacity (DOE H32 - 17°F)	Btu/h	14000	16900	27400	28000	40000	41000
COP (DOE H32 - 17°F)	W/W	2.6	2.4	2.58	2.2	2.5	2.6
Heating Maximum Capacity (17°F)	Btu/h	19800	23800	33400	38000	42000	54000
Heating Rated Capacity (DOE H42 - 5°F)	Btu/h	18000	23600	34000	38000	46000	53000
COP (DOE H42 - 5°F)	W/W	2.2	2.1	2	2.06	2	2
Heating Maximum Capacity (5°F)	Btu/h	18000	23600	34000	38000	46000	53000

Single Zone Outdoor Units

Vitocal 100-S / D5CSHAH, D5CSRAH and D5CLHAH Series

Outdoor Model Size			06	09	12	18	24	30	33	36	48	58
ELECTRICAL	Voltage-Phase-Frequency	V/Ph/Hz	208-230/1/60	208-230/1/60	208-230/1/60	208-230/1/60	208-230/1/60	208-230/1/60	208-230/1/60	208-230/1/60	208-230/1/60	208-230/1/60
	Max - Min Voltage Range		253-187	253-187	253-187	253-187	253-187	253-187	253-187	253-187	253-187	253-187
	MCA (Minimum Circuit Ampacity)	A.	12	15	15	19	24.9	28	34	38	44	44
	MOPA (Maximum Overcurrent Protection Ampacity)	A.	15	15	15	20	25	30	35	40	45	45
PIPING AND REFRIGERANT INFORMATION	Refrigerant Type	Type	R454B	R454B	R454B	R454B	R454B	R454B	R454B	R454B	R454B	R454B
	Charge Amount	lb. (kg)	2.03(0.92)	2.2(1.00)	2.2(1.00)	3.46(1.57)	3.97(1.80)	5.29(2.4)	5.45(2.47)	7.94 (3.6)	7.94 (3.6)	9.48 (4.3)
	Additional refrigerant charge	Oz/ft (g/m)	0.16(15)	0.16(15)	0.16(15)	0.16(15)	0.32(30)	0.32(30)	0.32(30)	0.32 (30)	0.32 (30)	0.32 (30)
	Liquid Pipe (size - connection type)	In (mm)	1/4in (6.35mm)	1/4in (6.35mm)	1/4in (6.35mm)	1/4in (6.35mm)	3/8in (9.52mm)	3/8in (9.52mm)	3/8in (9.52mm)	3/8" (9.52)	3/8" (9.52)	3/8" (9.52)
	Suction Pipe (size - connection type)	In (mm)	3/8in (9.52mm)	3/8in (9.52mm)	3/8in (9.52mm)	1/2in (12.7mm)	5/8in (15.9mm)	5/8in (15.9mm)	3/4in (19mm)	3/4" (19)	3/4" (19)	3/4" (19)
AIRFLOW SPECIFICATIONS	Outdoor (CFM)	CFM	1235.29	1470.59	1470.59	1764.71	2235.29	2237.90	2235.29	3003.5	4240.3	4235.3
SOUND DATA	Outdoor Sound Pressure Level	dB(A)	53	56	56	59	61.5	61	63	64.5	62.5	64.5

				06	09	12	18	24	30	33	36	48	58
ENVIRONMENTAL SPECIFICATIONS	Cooling Operating Range	Indoor	°F	60~90	60~90	60~90	60~90	60~90	60~90	60~90	60~90	60~90	60~90
		Min - Max DB	(°C)	(16~32)	(16~32)	(16~32)	(16~32)	(16~32)	(16~32)	(16~32)	(16~32)	(16~32)	(16~32)
		Indoor	°F	59-84	59-84	59-84	59-84	59-84	59-84	59-84	59-84	59-84	59-84
		Min - Max WB	(°C)	(15-29)	(15-29)	(15-29)	(15-29)	(15-29)	(15-29)	(15-29)	(15-29)	(15-29)	(15-29)
	Heating Operating Range	Outdoor	°F	-22~122	-22~122	-22~122	-22~122	-22~122	-13~122	-22~122	-22~122	-22~122	-22~122
		Min - Max DB	(°C)	(-30~50)	(-30~50)	(-30~50)	(-30~50)	(-30~50)	(-25~50)	(-30~50)	(-30~50)	(-30~50)	(-30~50)
		Indoor	°F	32~86	32~86	32~86	32~86	32~86	32~86	32~86	32~86	32~86	32~86
		Min - Max DB	(°C)	(0~30)	(0~30)	(0~30)	(0~30)	(0~30)	(0~30)	(0~30)	(0~30)	(0~30)	(0~30)
		Outdoor	°F	-22~75	-22~75	-22~75	-22~75	-22~75	-13~75	-22~75	-22~75	-22~75	
		Min - Max DB	(°C)	(-30~24)	(-30~24)	(-30~24)	(-30~24)	(-30~24)	(-25~24)	(-30~24)	(-30~24)	(-30~24)	

			6K	9K	12K	18K	24K	30K	33K	36K	48K	58K
SYSTEM SIZE	SYSTEM SIZE		(208/230V)	(208/230V)	(208/230V)	(208/230V)	(208/230V)	(208/230V)	(208/230V)	(208/230V)	(208/230V)	(208/230V)
	Height (H)	in (mm)	21.85 (555)	21.81 (554)	21.81 (554)	26.50 (673)	31.89 (810)	31.89(810)	31.89(810)	38.39 (975)	52.48 (1333)	52.48 (1333)
	Width (W)	in (mm)	30.12 (765)	31.69 (805)	31.69 (805)	35.04 (890)	37.24 (946)	37.24(946)	37.24(946)	38.58(980)	37.48 (952)	37.48 (952)
	Depth (D)	in (mm)	11.93 (303)	12.99 (330)	12.99 (330)	13.46 (342)	16.14 (410)	16.14(410)	16.14(410)	16.34 (415)	16.34 (415)	16.34 (415)
	Weight - Net	lbs. (kg)	62.17 (28.2)	72.75 (33.0)	72.75 (33.0)	99.87 (45.3)	130.29 (59.1)	142.86(64.8)	156.97 (71.2)	206.57 (93.7)	208.78 (94.7)	230.38 (104.5)



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