



AIR-TO-AIR HEAT PUMP SYSTEM

Ductless multi zone heat pump solution

VITOCAL 200-S



Flexible high-performing HVAC solutions for multi zone comfort



Reasons to love ductless

Bring Comfort To Multiple Spaces In Any Condition

With extreme temperature performance, Viessmann ductless units provide 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 multiple rooms or an entire home. Multi zone units allow up to six ductless and/or ducted indoor units to each outdoor unit for ultimate application flexibility.

Save On Energy And Operational Costs

Increase comfort with lower energy use. Our multi zone ductless units deliver up to 25.0 SEER2 and 11.3 HSPF2 ratings. Reduce costs with ENERGY STAR® certified units.

Enjoy Ultimate System Flexibility

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

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.

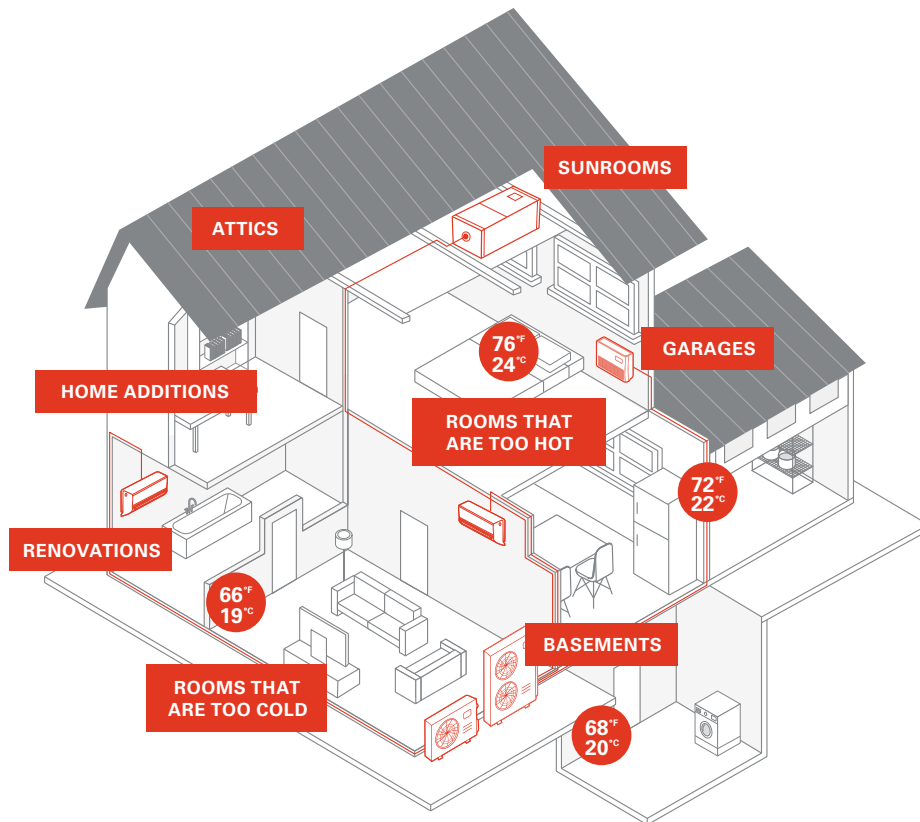
Rapid Cooling and Heating

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 multiple rooms, or an entire home



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
						
<ul style="list-style-type: none"> + Wall-mounted + Whisper-quiet + Eco mode 	<ul style="list-style-type: none"> + Mounted near floor or under ceiling + Slim profile + Outside air intake to keep air fresh and clean 	<ul style="list-style-type: none"> + Recessed into wall or ceiling + Maximum installation flexibility + Improved ventilation 	<ul style="list-style-type: none"> + Recessed into ceiling or under floor + Discrete or hidden installation + 360-degree airflow 	<ul style="list-style-type: none"> + Connects to existing ductwork + Replaces existing furnace + Hidden from view 	<ul style="list-style-type: none"> + Recessed into ceiling + Slim and compact + Follow Me temperature sensor 	<ul style="list-style-type: none"> + Wall-mounted + 7-day programmable + Customizable schedules

▲ The Vitocal 200-S multi zone ductless systems can cut 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 facility without the need for ductwork. Often called "mini-splits," multi zone systems work by connecting a single outdoor unit to up to 6 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.

* Outdoor unit operating ranges may vary by model

And the indoor unit(s) simply connects to the outdoor unit with a hidden conduit. Vitocal 200-S multi zone systems also offer ducted indoor units for hybrid applications where ducting is preferred.

Ductless and Ducted solutions deliver on benefits

To help you stay competitive and successful, Viessmann offers a family of flexible ductless and ducted 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). Up to 116% heating capacity at 5° F (-15° C).

Simple installation and maintenance

Multi Zone Versatility

Select from a mix of up to 6 indoor units that have been engineered to match perfectly with a single Vitocal 200-S outdoor unit to deliver maximum performance and comfort to multiple zones with the flexibility of ductless or ducted indoor units.

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.

Flexible Installation

Piping flexibility up to a total piping length of 328 ft. (100 m).

Air Handling Unit (AHU)

The AHU leverages existing ductwork - the perfect replacement for aging or failing furnaces without a complete system overhaul.



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
- + Multi-family developments, assisted living facilities, hotels, and more
- + New construction and renovations

BENEFITS AT A GLANCE

- + Energy savings - Up to 25.0 SEER2 and 11.3 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
- + 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. Up to Six Zones
- + Flexible options - Compatible with third-party thermostats with optional 24V interface kit
- + ENERGY STAR certification

PERFORMANCE

Vitocal 200-S / D5CMHAH Series
Outdoor Unit - Ductless

Outdoor model		18K	24K	30K	36K	48K	55K
Number of IDU		3	4	5	5	6	6
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	19000	24000	30000	36000	47000	51000
Cooling Capacity Range	Btu/h	5400-28000	7200-37000	9000-43000	9000-43000	12000-57000	19000-59000
SEER	Btu/h.W	25	24	24	23.1	23	22.3
EER (DOE A2 - 95°F)	Btu/h.W	15	13	13.2	13.1	12	12
Heating Rated Capacity (DOE H12 - 47°F)	Btu/h	20000	25000	31000	36000	49000	55000
Heating Capacity Range	Btu/h	5700-27000	8400-36000	10000-44000	10000-44000	13000-57000	20000-59000
COP (DOE H12 - 47°F)	W/W	4	4	4	3.85	3.66	3.37
HSPF IV	Btu/h.W	10.5	10	10.7	10.7	11.3	10.5
HSPF V	Btu/h.W	8.5	8	8.5	8.5	9.1	8.5
Cooling Rated Capacity (DOE B2 - 82°F)	Btu/h	20000	27000	34000	38000	52000	54000
EER (DOE B2 - 82°F)	Btu/h.W	20	16.5	20	17	15	14.0
Heating Rated Capacity (DOE H32 - 17°F)	Btu/h	17600	23600	30000	30000	44000	44000
COP (DOE H32 - 17°F)	W/W	2.7	2.58	2.4	2.4	2.6	2.6
Heating Maximum Capacity (17°F)	Btu/h	19000	28000	42000	42000	45000	47000
Heating Rated Capacity (DOE H42 - 5°F)	Btu/h	19000	25000	36000	36000	47000	47000
COP (DOE H42 - 5°F)	W/W	2	2	2	2	2	2
Heating Maximum Capacity (5°F)	Btu/h	19000	25000	36000	36000	47000	47000

Vitocal 200-S / D5CMHAH Series
Outdoor Unit - Ducted

Outdoor model		18K	24K	30K	36K	48K	55K
Number of Indoor Unit		3	4	5	5	6	6
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	19000	24000	30000	36000	47000	53000
Cooling Capacity Range	Btu/h	5400-27600	7200-38000	9000-42000	9000-42000	12000-57000	19000-60000
SEER	Btu/h.W	20	20	19.5	19.5	20.5	20.2
EER (DOE A2 - 95°F)	Btu/h.W	13	13	12.5	12	11.7	11.7
Heating Rated Capacity (DOE H12 - 47°F)	Btu/h	20000	25000	31000	36000	48000	55000
Heating Capacity Range	Btu/h	5700-27600	8400-41000	10000-45000	10000-45000	13000-60000	20000-61000
COP (DOE H12 - 47°F)	W/W	4	3.6	3.9	3.8	3.52	3.66
HSPF IV	Btu/h.W	10	9.5	10.5	10.5	11	10.7
HSPF V	Btu/h.W	8	8	8.8	8.8	9	8.8
Cooling Rated Capacity (DOE B2 - 82°F)	Btu/h	21000	27800	34000	39000	49000	55000
EER (DOE B2 - 82°F)	Btu/h.W	18	17	18	15	14	14
Heating Rated Capacity (DOE H32 - 17°F)	Btu/h	17000	23000	33000	33000	44500	45000
COP (DOE H32 - 17°F)	W/W	2.6	2.4	2.4	2.4	2.6	2.7
Heating Maximum Capacity (17°F)	Btu/h	22000	27000	34000	34000	46000	52000
Heating Rated Capacity (DOE H42 - 5°F)	Btu/h	18000	25000	36000	38000	48000	48000
COP (DOE H42 - 5°F)	W/W	2	1.9	1.95	2	2	2.1
Heating Maximum Capacity (5°F)	Btu/h	18000	25000	36000	38000	48000	48000

Vitocal 200-S / D5CMHAH Series

Outdoor model			18K	24K	30K	36K	48K	55K	
PIPING AND REFRIGERANT INFORMATION	Refrigerant Type	Type	R454B	R454B	R454B	R454B	R454B	R454B	
	Charge Amount	lb. (kg)	4.89(2.22)	7.54(3.42)	8.38(3.8)	8.38(3.8)	9.48(4.3)	9.48(4.3)	
	Liquid Pipe (size - connection type)	In (mm)	3x1/4in(3x6.35mm)	4x1/4in(4x6.35mm)	5x1/4in(5x6.35mm)	5x1/4in(5x6.35mm)	6x1/4in(5x6.35mm)	6x1/4in(5x6.35mm)	
	Suction Pipe (size - connection type)	In (mm)	3x3/8in (3x9.52mm)	3x3/8in+1x1/2in (3x9.52mm+1x12.7mm)	3x3/8in+2x1/2in (3x9.52mm+2x12.7mm)	3x3/8in+2x1/2in (3x9.52mm+2x12.7mm)	4x3/8in+2x1/2in (4x9.52mm+2x12.7mm)	4x3/8in+2x1/2in (4x9.52mm+2x12.7mm)	
	Min. Piping Length per each indoor unit	ft. (m)	10 (3)	10 (3)	10 (3)	10 (3)	10 (3)	10 (3)	
	Standard Piping Length per each indoor unit	ft. (m)	24.6 (7.5)	24.6 (7.5)	24.6 (7.5)	24.6 (7.5)	24.6 (7.5)	24.6 (7.5)	
	Number of IDU	ft. (m)	3	4	5	5	6	6	
ELECTRICAL DATA - OUTDOOR UNIT									
Minimum Circuit Ampacity (MCA)		A	17.5	30	37	37	43.0	43.0	
Maximum Overcurrent Protection Ampacity (MOPA)		A	20	35	40	40	45.0	45.0	
AIRFLOW SPECIFICATIONS		Outdoor (CFM)	CFM	2130.7	2148.3	3037.1	3037.1	4502.6	4502.6
SOUND DATA	Outdoor Sound Pressure Level		dB(A)	61.5	61	65	65	65	65
ENVIRONMENTAL SPECIFICATIONS	Cooling Operating Range	Indoor Min - Max DB	°F	60-90	60-90	60-90	60-90	60-90	60-90
			(°C)	(16-32)	(16-32)	(16-32)	(16-32)	(16-32)	(16-32)
	Cooling Operating Range	Indoor Min - Max WB	°F	59-84	59-84	59-84	59-84	59-84	59-84
			(°C)	(15-29)	(15-29)	(15-29)	(15-29)	(15-29)	(15-29)
	Heating Operating Range	Outdoor Min - Max DB	°F	-22-122	-22-122	-22-122	-22-122	-22-122	-22-122
			(°C)	(-30-50)	(-30-50)	(-30-50)	(-30-50)	(-30-50)	(-30-50)
	Heating Operating Range	Indoor Min - Max DB	°F	32-86	32-86	32-86	32-86	32-86	32-86
			(°C)	(0-30)	(0-30)	(0-30)	(0-30)	(0-30)	(0-30)
	Non-operating environment Storage	Outdoor Min - Max DB	°F	-22-75	-22-75	-22-75	-22-75	-22-75	-22-75
			(°C)	(-30-24)	(-30-24)	(-30-24)	(-30-24)	(-30-24)	(-30-24)
Non-operating environment Storage	Temperature range (DB)	°F	-49-140	-49-140	-49-140	-49-140	-49-140	-49-140	
		(°C)	(-45-60)	(-45-60)	(-45-60)	(-45-60)	(-45-60)	(-45-60)	
Operation Humidity %			0-80 %	0-80 %	0-80 %	0-80 %	0-80 %	0-80 %	
Ambient Humidity %			0-80 %	0-80 %	0-80 %	0-80 %	0-80 %	0-80 %	
DIMENSIONS AND WEIGHTS	Height (H)	inch	31.89	31.89	38.39	38.39	52.48	52.48	
		mm	810	810	975	975	1334	1334	
	Width (W)	inch	37.24	37.24	38.625	38.625	37.25	37.25	
		mm	946	946	980	980	946	946	
	Depth (D)	inch	16.14	16.14	17.38	17.38	17.63	17.63	
		mm	410	410	440	440	448	448	
	Weight -Net	lbs.	137.35	168.43	211.86	211.86	246.48	246.48	
		kg	62.3	76.4	96.1	96.1	111.8	111.8	



Viessmann Manufacturing
Company (US) Inc.
Warwick, RI
(800) 288-0667
viessmann-us.com
A Carrier Company