Carrier

SINGLE-PHASE VRF CATALOG

2024 EDITION

DISCOVER CUTTING-EDGE CLIMATE CONTROL WITH SINGLE-PHASE VRF

Fully Electric. Exceptionally Efficient. Endlessly Versatile.

What if an HVAC system could fit seamlessly into any space—without compromising on comfort? VRF makes it possible. With limitless installation options and the ability to connect up to nine indoor units to a single outdoor unit, VRF systems deliver individualized temperature control for every room. How? They circulate refrigerant—not air—to efficiently heat or cool any space.

Carrier single-phase VRF heat pumps, specifically, offer all the benefits of standard VRF systems in a compact package. Available in 3- to 5-ton sizes, they're great for spaces that are too large for a ductless system but do not require a full three-phase VRF solution—an ideal choice for residential and light commercial applications.

Single-Phase VRF Use Cases

Residential

- New construction
- Remodels
- Additions

Light Commercial

- 1- to 2-story buildings
- Building conversions
- Subdividing spaces

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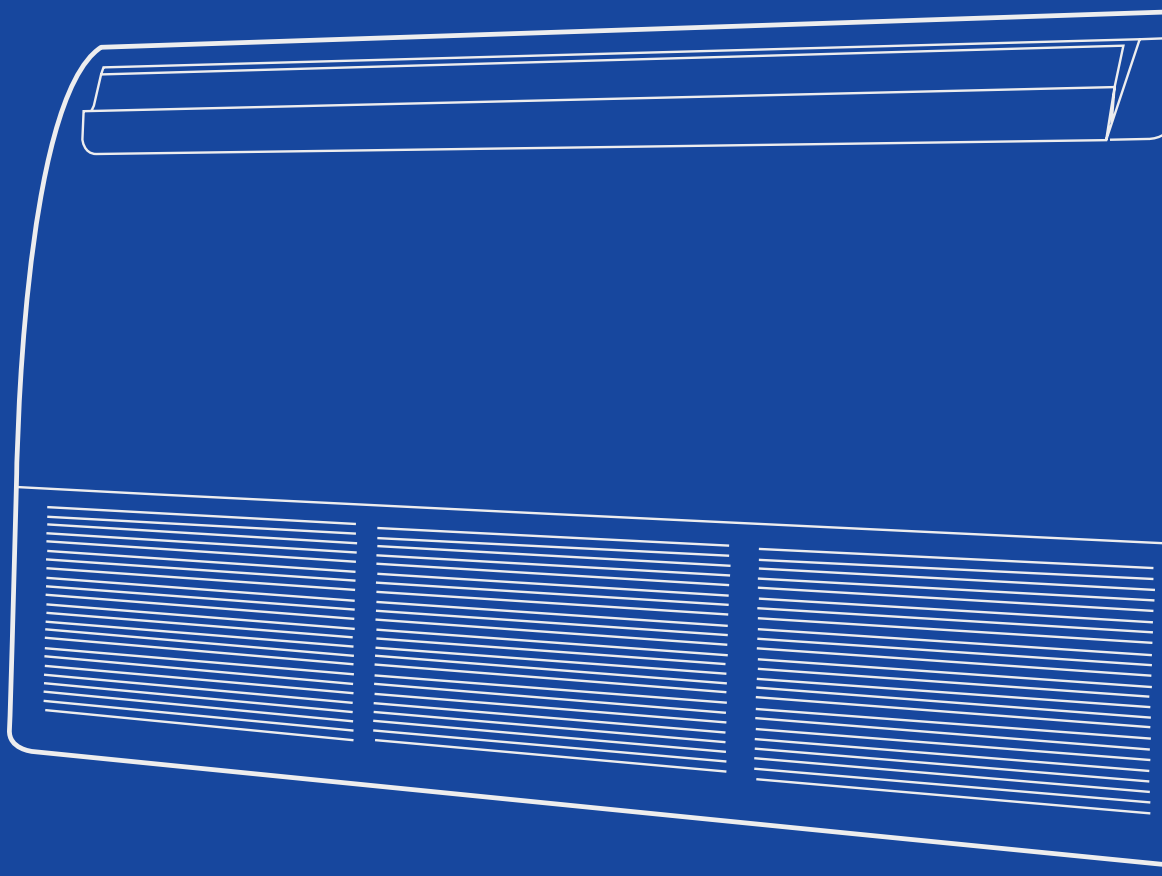


SEE THE VALUE OF SINGLE-PHASE VRF

As the most advanced climate-control technology available, every part of our single-phase VRF systems is designed to deliver superior performance.

Maximum Efficiency

Refrigerant is only circulated to the areas that need it—for a more efficient, sustainable, cost-effective system.

- Fully electric to reduce carbon emissions
- Inverter-driven technology eliminates hard shutoffs and wasted energy
- Efficiency certifications future-proof projects

Improved Indoor Air Quality

Air filters in every indoor unit remove airborne pollutants in the room for a cleaner, healthier environment.

- Multiple indoor units create more filter points
- Continuous cycling increases filtering frequency and ventilation

Complete Flexibility

A zoned, modular design and small footprint allows for versatile options and customized comfort.

- Choose from multiple outdoor unit sizes
- Mix and match indoor unit styles to meet your design needs
- Easily integrate into any space without compromising architectural integrity
- Control zone temperatures from any room or moderate settings from a central controller

INTENTIONALLY DESIGNED—DOWN TO THE LAST DETAIL

Simplified Installation & Maintenance

Closed-Loop System
Single-phase systems come as a complete package—not just components—for quick installation.

2-Pipe Design
Fewer connections decrease installation costs and complexity.

Quick-Connect System
Easily access wiring without the need to individually unscrew each terminal.

Comprehensive Warranty
All applications are eligible for 10 years parts and compressor if registered within 90 days of installation/start-up. See warranty card for full details.

Premium Performance

Built for All Climates
Single-phase systems operate at peak performance in temperatures from -13° F to 118° F.

Whisper Quiet
Outdoor units operate at 58.7 dBA—like the faint humming of a refrigerator.

Find the Right System for Your Project*:

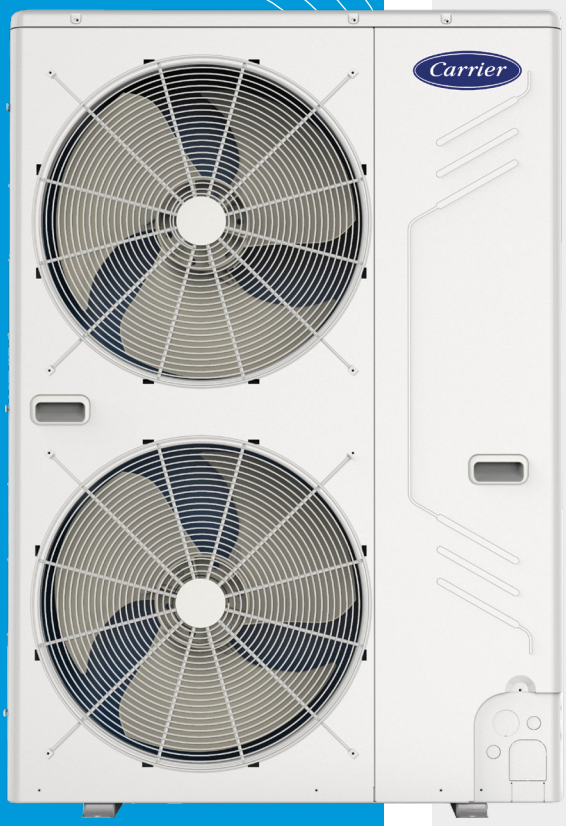
1,500 sq ft 3-ton

2,000 sq ft 4-ton

2,500 sq ft+ 5-ton

*Sizing needs may vary based on climate

CARRIER VRF SYSTEMS: OUTDOOR UNIT



The powerhouse of the system, the Carrier single-phase VRF outdoor unit is reliable and quiet—a fit for virtually every application. A single modular unit system can connect up to 9 indoor units for simple and flexible installation.

Heat Pump Single-Phase

Tonnage	1 Module
3	3
4	4
5	5

OUTDOOR UNIT: HEAT PUMP TECHNICAL SPECIFICATIONS

38VMB–1PH Single-Phase Heat Pump Outdoor Unit
208/230V–1–60

Outdoor Unit Model Name				38VMB036HDS3-1	38VMB048HDS3-1	38VMB060HDS3-1
Nominal Tons				3	4	5
Cooling Capacity[1] (With Non-Ducted Indoor Units / Ducted)		Nominal	kBtu/h	36.0	48.0	60.0
		Rated	kBtu/h	36.0	48.0	60.0
Heating Capacity[1] (With Non-Ducted Indoor Units / Ducted)		Nominal	kBtu/h	40.0	52.5	66.0
		Rated	kBtu/h	40.0	52.5	66.0
With Non-Ducted Indoor Units Electrical Characteristics (Nominal)[1]	Power Supply[2]			208/230V, 1-Phase, 60Hz	208/230V, 1-Phase, 60Hz	208/230V, 1-Phase, 60Hz
	Cooling	Power Consumption	kW	3.1	4.6	6.1
		SEER2[3]	Btu/W*hr	19.2	19.0	18.6
	Heating	Power Consumption	kW	3.1	4.3	5.8
		HSPF2[4]	Btu/W*hr	9.2	8.9	8.7
With Ducted Indoor Units Electrical Characteristics (Nominal)[1]	Power Supply[2]			208/230V, 1-Phase, 60Hz	208/230V, 1-Phase, 60Hz	208/230V, 1-Phase, 60Hz
	Cooling	Power Consumption	kW	2.9	4.7	6.1
		SEER2[3]	Btu/W*hr	17.3	16.0	15.9
	Heating	Power Consumption	kW	3.0	4.2	5.7
		HSPF2[4]	Btu/W*hr	9.1	8.5	8.0
External Dimensions		Height	in	52-1/4	52-1/4	52-1/4
		Width	in	35-1/2	35-1/2	35-1/2
		Depth	in	15-3/4	15-3/4	15-3/4
Total Weight	Unit		lb	220	220	220
Compressor Fan Unit	Type / Quantity			INVERTER-driven Hermetic Rotary / 1	INVERTER-driven Hermetic Rotary / 1	INVERTER-driven Hermetic Rotary / 1
	Air Volume		cfm	4,100	4,100	4,100
Refrigerant[6] (Charged Refrigerant Amount)			lb	8.6	8.6	8.6
Electrical Specifications	Unit	MCA[6]	A	36	38	40
		Recommended Fuse Size	A	40	40	45
Refrigerant Piping	Connecting Port Diameter	Gas Side (Main Pipe) (Brazing)	in	5/8	5/8	3/4
		Liquid Side (Main Pipe) (Brazing)	in	3/8	3/8	3/8
Operation Temperature Range		Cooling	° F DB	5~118	5~118	5~118
		Heating	° F WB	-13~64	-13~64	-13~64
Maximum Number of Connected Indoor Units				5	7	9
Maximum Capacity of Combined Indoor Units				50%~130%	50%~130%	50%~130%
Sound Pressure Level Cooling / Heating[7]			dB(A)	58.7	60.1	60.7

[1] Rated conditions: Cooling: Indoor air temperature 80° F dry bulb / 67° F wet bulb, outdoor air temperature 95° F dry bulb. Heating: Indoor air temperature 70° F dry bulb, outdoor air temperature 47° F dry bulb / 43° F wet bulb.

[2] The source voltage must not fluctuate more than ± 10%.

[3] Seasonal Energy Efficiency Ratio

[4] Heating Seasonal Performance Factor

[5] The amount does not consider extra piping length. Refrigerant must be added on site in accordance with the actual piping length.

[6] Select wire size based on larger value of MCA: Minimum Circuit Amps (Minimum Circuit Amps required for power supply design).

[7] These values, measured in anechoic chamber, at a point 3.3 ft (1 m) in front of the unit at a height of 4.6 ft (1.4m).

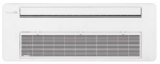
CARRIER VRF SYSTEMS: INDOOR UNITS

Carrier offers a variety of unique indoor units to meet a range of needs, spaces and designs. Plus, they're inherently efficient, quiet and easy to install and service.

INDOOR UNITS

NON-DUCTED MODELS



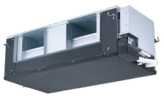



	4-Way Cassette	Compact 4-Way Cassette	One-Way Cassette	High Wall	Underceiling / Floor Console (Exposed)	Floor Console (Recessed)
	40VMF	40VMC	40VMI	40VMW	40VMU	40VMR
Cooling Capacity kBtu/h (Ton)						
5,000 (0.4)		■	■	■		
7,000 (0.6)		■	■	■		■
9,000 (0.75)	■	■	■	■		■
12,000 (1.0)	■	■	■	■	■	■
15,000 (1.25)	■	■	■	■	■	■
18,000 (1.5)	■		■	■	■	■
24,000 (2.0)	■		■	■	■	■
30,000 (2.5)	■			■	■	
36,000 (3.0)	■				■	
48,000 (4.0)	■				■	

DUCTED MODELS







	Low Static Ducted (Slim Profile)	Medium Static Ducted	High Static Ducted	Vertical Air Handling Unit (AHU)	Outside Air Ducted
	40VML	40VMM	40VMH	40VMV	40VMA
Cooling Capacity kBtu/h (Ton)					
7,000 (0.6)	■	■			
9,000 (0.75)	■	■			
12,000 (1.0)	■	■		■	
15,000 (1.25)	■	■			
18,000 (1.5)	■	■		■	
24,000 (2.0)	■	■	■	■	
30,000 (2.5)		■	■	■	
36,000 (3.0)		■	■	■	■
48,000 (4.0)		■	■	■	■
53,500 (4.4)			■	■	■
72,000 (6.0)			■		■
96,000 (8.0)			■		■

40VMF
4-Way Cassette

The Carrier VRF 4-way cassette provides supreme comfort by delivering conditioned airflow in four directions to customize the airflow control based on user comfort preferences.

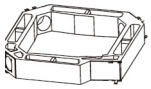
- Integrated condensate lift to 29.5"
- Panel accessory required, model number 40VMF001----
- 2-3/4" knockout for outside air opening

Options

2" Filter Rack
40VMF002----

The filter rack accessory allows for a 2" filter to be installed without increasing the height of the unit.

Outside Air Kit
40VMF003----



The outside air accessory has three inlets which allow this unit to handle more volume of ventilation air.

Indoor Unit Model Name			40VMF009A--3	40VMF012A--3	40VMF015A--3	40VMF018A--3	40VMF024A--3	40VMF030A--3	40VMF036A--3	40VMF048A--3
Power Supply			208/230V, 1-Phase, 60Hz	208/230V, 1-Phase, 60Hz	208/230V, 1-Phase, 60Hz	208/230V, 1-Phase, 60Hz	208/230V, 1-Phase, 60Hz	208/230V, 1-Phase, 60Hz	208/230V, 1-Phase, 60Hz	208/230V, 1-Phase, 60Hz
Total Cooling Capacity		Btu/H	9,000	12,000	15,000	18,000	24,000	30,000	36,000	48,000
Sensible Cooling Capacity		Btu/H	8,620	10,880	13,370	18,220	18,350	22,330	26,240	32,390
Heating Capacity		Btu/H	10,000	13,500	17,000	21,000	27,000	34,000	40,000	54,000
Indoor Fan Motor	Type		DC	DC	DC	DC	DC	DC	DC	DC
	Input	W	40.0	54.0	67.0	153.5	85.4	131.7	182.7	202.3
Indoor Airflow	Low	cfm	330	390	460	610	610	680	800	950
	Medium	cfm	390	460	560	700	700	800	950	1,100
	High	cfm	460	560	680	1,000	800	950	1,100	1,200
Indoor Unit Sound Level	Low	dB(A)	32.1	33.0	37.0	40.2	40.2	42.1	47.3	50.5
	Medium	dB(A)	34.0	37.3	41.5	43.1	42.5	45.1	50.4	54.0
	High	dB(A)	36.7	41.4	45.6	52.5	44.7	49.5	53.9	55.4
Unit	Dimensions, W x H x D	in	33-1/8 x 9 x 33-1/8	33-1/8 x 9 x 33-1/8	33-1/8 x 9 x 33-1/8	33-1/8 x 11-3/4 x 33-1/8	33-1/8 x 11-3/4 x 33-1/8	33-1/8 x 11-3/4 x 33-1/8	33-1/8 x 11-3/4 x 33-1/8	33-1/8 x 11-3/4 x 33-1/8
	Net / Gross Weight	lb	54/71	54/71	54/71	69/86	69/86	69/86	69/86	69/86
Panel / Grille	Dimensions, W x H x D	in	37-3/8 x 1-3/4 x 37-3/8	37-3/8 x 1-3/4 x 37-3/8	37-3/8 x 1-3/4 x 37-3/8	37-3/8 x 1-3/4 x 37-3/8	37-3/8 x 1-3/4 x 37-3/8	37-3/8 x 1-3/4 x 37-3/8	37-3/8 x 1-3/4 x 37-3/8	37-3/8 x 1-3/4 x 37-3/8
	Net / Gross Weight	lb	13.2/20.0	13.2/20.0	13.2/20.0	13.2/20.0	13.2/20.0	13.2/20.0	13.2/20.0	13.2/20.0
Refrigerant Type			R410a	R410a	R410a	R410a	R410a	R410a	R410a	R410a
Expansion Device			Electronic Expansion Valve	Electronic Expansion Valve	Electronic Expansion Valve	Electronic Expansion Valve	Electronic Expansion Valve	Electronic Expansion Valve	Electronic Expansion Valve	Electronic Expansion Valve
Design Pressure, High / Low		psig	580/320	580/320	580/320	580/320	580/320	580/320	580/320	580/320
Refrigerant Piping	Liquid Side, OD (Flare)	in	1/4	1/4	1/4	3/8	3/8	3/8	3/8	3/8
	Suction Side, OD (Flare)	in	1/2	1/2	1/2	5/8	5/8	5/8	5/8	5/8
Connecting Wiring	Power Wiring		Sized Per NEC and Local Codes Based on Nameplate Electrical Data	Sized Per NEC and Local Codes Based on Nameplate Electrical Data	Sized Per NEC and Local Codes Based on Nameplate Electrical Data	Sized Per NEC and Local Codes Based on Nameplate Electrical Data	Sized Per NEC and Local Codes Based on Nameplate Electrical Data	Sized Per NEC and Local Codes Based on Nameplate Electrical Data	Sized Per NEC and Local Codes Based on Nameplate Electrical Data	Sized Per NEC and Local Codes Based on Nameplate Electrical Data
	Signal Wiring		2-Core Stranded Shielded Cable 18AWG	2-Core Stranded Shielded Cable 18AWG	2-Core Stranded Shielded Cable 18AWG	2-Core Stranded Shielded Cable 18AWG	2-Core Stranded Shielded Cable 18AWG	2-Core Stranded Shielded Cable 18AWG	2-Core Stranded Shielded Cable 18AWG	2-Core Stranded Shielded Cable 18AWG
Condensate Pipe Diameter, OD		in	1-1/4	1-1/4	1-1/4	1-1/4	1-1/4	1-1/4	1-1/4	1-1/4
Condensate Pump			Included	Included	Included	Included	Included	Included	Included	Included
Electrical Data	MCA	A	0.73	0.91	1.10	2.00	1.30	1.70	2.30	2.40
	MOPD	A	15	15	15	15	15	15	15	15

Note: Testing Condition AHRI rated conditions: Cooling: Indoor air temperature 80° F dry bulb / 67° F wet bulb, outdoor air temperature 95° F dry bulb.
Heating: Indoor air temperature 70° F dry bulb, outdoor air temperature 47° F dry bulb / 43° F wet bulb.

40VMC
Compact 4-Way Cassette

The Carrier VRF compact 4-way cassette provides supreme comfort by delivering conditioned airflow in four directions while fitting in a standard T-grid ceiling.

- Integrated condensate lift to 23.5"
- Panel accessory required, model number 40VMC001----

Indoor Unit Model Name			40VMC005A--3	40VMC007A--3	40VMC009A--3	40VMC012A--3	40VMC015A--3
Power Supply			208/230V, 1-Phase, 60Hz	208/230V, 1-Phase, 60Hz	208/230V, 1-Phase, 60Hz	208/230V, 1-Phase, 60Hz	208/230V, 1-Phase, 60Hz
Total Cooling Capacity		Btu/H	5,070	7,100	9,130	12,170	15,210
Sensible Cooling Capacity		Btu/H	4,450	5,470	6,330	8,050	9,490
Heating Capacity		Btu/H	5,000	8,000	10,000	13,000	17,000
Indoor Fan Motor	Type		DC	DC	DC	DC	DC
	Input	W	16	16	16	24	24
Indoor Airflow	Low	cfm	241	229	229	253	253
	Medium	cfm	241	282	282	306	306
	High	cfm	300	306	306	359	359
Indoor Unit Sound Level	Low	dB(A)	32.9	34.7	34.7	38.1	38.1
	Medium		32.9	38.5	38.5	42.3	42.3
	High		38.5	40.4	40.4	45.5	45.5
Unit	Dimensions, W x H x D	in	24-3/4 x 10-1/4 x 22-7/16	24-3/4 x 10-1/4 x 22-7/16	24-3/4 x 10-1/4 x 22-7/16	24-3/4 x 10-1/4 x 22-7/16	24-3/4 x 10-1/4 x 22-7/16
	Net / Gross Weight	lb	40/51	40/51	40/51	43/53	43/53
Panel / Grille	Dimensions, W x H x D	in	25-1/2 x 2 x 25-1/2	25-1/2 x 2 x 25-1/2	25-1/2 x 2 x 25-1/2	25-1/2 x 2 x 25-1/2	25-1/2 x 2 x 25-1/2
	Net / Gross Weight	lb	5.5/9.9	5.5/9.9	5.5/9.9	5.5/9.9	5.5/9.9
Refrigerant Type			R410A	R410A	R410A	R410A	R410A
Expansion Device			EEV	EEV	EEV	EEV	EEV
Design Pressure, High / Low		psig	580/320	580/320	580/320	580/320	580/320
Refrigerant Piping	Liquid Side, OD (Flare)	in	1/4	1/4	1/4	1/4	1/4
	Suction Side, OD (Flare)	in	1/2	1/2	1/2	1/2	1/2
Connecting Wiring	Power Wiring		Sized Per NEC and Local Codes Based on Nameplate Electrical Data	Sized Per NEC and Local Codes Based on Nameplate Electrical Data	Sized Per NEC and Local Codes Based on Nameplate Electrical Data	Sized Per NEC and Local Codes Based on Nameplate Electrical Data	Sized Per NEC and Local Codes Based on Nameplate Electrical Data
	Signal Wiring		2-Core Stranded Shielded Cable 18AWG	2-Core Stranded Shielded Cable 18AWG	2-Core Stranded Shielded Cable18AWG	2-Core Stranded Shielded Cable18AWG	2-Core Stranded Shielded Cable 18AWG
Condensate Pipe Diameter, OD		in	1	1	1	1	1
Condensate Pump			Included	Included	Included	Included	Included
Electrical Data	MCA	A	0.38	0.38	0.38	0.53	0.53
	MOPD	A	15	15	15	15	15

Note: Testing Condition AHRI rated conditions: Cooling: Indoor air temperature 80° F dry bulb / 67° F wet bulb, outdoor air temperature 95° F dry bulb.
Heating: Indoor air temperature 70° F dry bulb, outdoor air temperature 47° F dry bulb / 43° F wet bulb.

40VMW
High Wall Unit

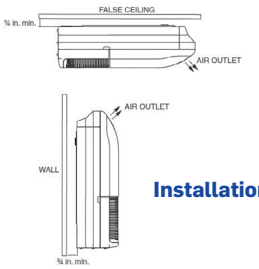
The Carrier VRF high wall unit mounts on the wall providing conditioned air to fit any space.

- Filter is washable
- Flared refrigerant pipe connections

Indoor Unit Model Name			40VMW005---3	40VMW007---3	40VMW009---3	40VMW012---3	40VMW015---3	40VMW018---3	40VMW024---3	40VMW030---3
Power Supply			208/230V, 1-Phase, 60Hz	208/230V, 1-Phase, 60Hz	208/230V, 1-Phase, 60Hz	208/230V, 1-Phase, 60Hz	208/230V, 1-Phase, 60Hz	208/230V, 1-Phase, 60Hz	208/230V, 1-Phase, 60Hz	208/230V, 1-Phase, 60Hz
Total Cooling Capacity		Btu/H	5,000	7,500	9,500	12,000	15,000	18,000	24,000	30,000
Sensible Cooling Capacity		Btu/H	4,060	5,640	6,520	7,930	10,140	12,040	15,330	18,950
Heating Capacity		Btu/H	6,000	8,500	10,900	13,500	17,000	21,000	27,000	34,000
Indoor Fan Motor	Type		DC	DC	DC	DC	DC	DC	DC	DC
	Input	W	11	25	25	30	35	45	75	85
Indoor Airflow	Low	cfm	245	245	245	250	380	440	460	480
	Medium	cfm	245	270	270	280	420	470	530	600
	High	cfm	245	320	320	360	480	560	650	770
Indoor Unit Sound Level	Low	dB(A)	31.7	31.2	31.8	32.8	38.4	38.9	36.8	38.1
	Medium	dB(A)	31.7	32.2	32.6	34.6	39.6	40.2	42.0	43.6
	High	dB(A)	31.7	34.0	34.5	36.4	41.7	41.8	43.2	48.3
Unit	Dimensions, W x H x D	in	36 x 11-3/8 x 9	36 x 11-3/8 x 9	36 x 11-3/8 x 9	36 x 11-3/8 x 9	42-1/4 x 12-3/8 x 9	42-1/4 x 12-3/8 x 9	47 x 13-1/2 x 10-1/8	47 x 13-1/2 x 10-1/8
	Net / Gross Weight	lb	28.0/35.0	28.0/35.0	28.0/35.0	28.0/35.0	32.0/40.5	32.0/40.5	38.0/50.5	38.0/50.5
Refrigerant Type			R410a	R410a	R410a	R410a	R410a	R410a	R410a	R410a
Expansion Device			Electronic Expansion Valve	Electronic Expansion Valve	Electronic Expansion Valve	Electronic Expansion Valve	Electronic Expansion Valve	Electronic Expansion Valve	Electronic Expansion Valve	Electronic Expansion Valve
Design Pressure, High / Low		psig	580/320	580/320	580/320	580/320	580/320	580/320	580/320	580/320
Refrigerant Piping	Liquid Side, OD (Flare)	in	1/4	1/4	1/4	1/4	1/4	3/8	3/8	3/8
	Suction Side, OD (Flare)	in	1/2	1/2	1/2	1/2	1/2	5/8	5/8	5/8
Connecting Wiring	Power Wiring		Sized Per NEC and Local Codes Based on Nameplate Electrical Data	Sized Per NEC and Local Codes Based on Nameplate Electrical Data	Sized Per NEC and Local Codes Based on Nameplate Electrical Data	Sized Per NEC and Local Codes Based on Nameplate Electrical Data	Sized Per NEC and Local Codes Based on Nameplate Electrical Data	Sized Per NEC and Local Codes Based on Nameplate Electrical Data	Sized Per NEC and Local Codes Based on Nameplate Electrical Data	Sized Per NEC and Local Codes Based on Nameplate Electrical Data
	Signal Wiring		2-Core Stranded Shielded Cable 18AWG	2-Core Stranded Shielded Cable 18AWG	2-Core Stranded Shielded Cable 18AWG	2-Core Stranded Shielded Cable 18AWG	2-Core Stranded Shielded Cable 18AWG	2-Core Stranded Shielded Cable 18AWG	2-Core Stranded Shielded Cable 18AWG	2-Core Stranded Shielded Cable 18AWG
Condensate Pipe Diameter, OD		in	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
Electrical Data	MCA	A	0.29	0.45	0.45	0.45	0.45	0.45	0.86	0.86
	MOPD	A	15	15	15	15	15	15	15	15

Note: Testing Condition AHRI rated conditions: Cooling: Indoor air temperature 80° F dry bulb / 67° F wet bulb, outdoor air temperature 95° F dry bulb.
Heating: Indoor air temperature 70° F dry bulb, outdoor air temperature 47° F dry bulb / 43° F wet bulb.

40VMU Underceiling Unit Floor Console (Exposed)



Installation

The Carrier VRF underceiling unit can be installed exposed below the ceiling or mounted to the floor standing as an exposed Floor Console Unit.

- Condensate pump is an accessory
- Filter is washable
- Knock-out for outside air on sizes 36 and 38

Indoor Unit Model Name			40VMU012---3	40VMU015---3	40VMU018---3	40VMU024---3	40VMU030---3	40VMU036---3	40VMU048---3
Power Supply			208/230V, 1-Phase, 60Hz	208/230V, 1-Phase, 60Hz	208/230V, 1-Phase, 60Hz	208/230V, 1-Phase, 60Hz	208/230V, 1-Phase, 60Hz	208/230V, 1-Phase, 60Hz	208/230V, 1-Phase, 60Hz
Total Cooling Capacity		Btu/H	12,000	15,000	18,000	24,000	30,000	36,000	48,000
Sensible Cooling Capacity		Btu/H	8,540	10,820	12,420	15,980	20,080	26,230	33,660
Heating Capacity		Btu/H	13,500	17,000	21,000	27,000	34,000	40,000	54,000
Indoor Fan Motor	Type		DC Motor	DC Motor	DC Motor	DC Motor	DC Motor	DC Motor	DC Motor
	Input	W	24	47	53	80	107	67 x 2	115 x 2
Indoor Airflow	Low	cfm	259	359	394	494	624	906	929
	Medium	cfm	294	412	424	529	676	976	1,000
	High	cfm	335	441	471	571	729	1,094	1,353
Indoor Unit Sound Level	Low	dB(A)	35.8	41.7	44.1	50.2	50.4	48.4	50.6
	Medium	dB(A)	37.7	45.4	46.5	52.0	52.1	50.3	52.3
	High	dB(A)	40.5	47.2	48.5	53.8	53.9	53.0	59.8
Unit	Dimensions, W x H x D	in	39 x 26 x 8	39 x 26 x 8	39 x 26 x 8	39 x 26 x 8	50-1/2 x 26 x 8	66 x 27 x 10	66 x 27 x 10
	Net / Gross Weight	lb	57/71	62/75	62/75	62/75	77/90	106/128	106/128
Refrigerant Type			R410a	R410a	R410a	R410a	R410a	R410a	R410a
Expansion Device			Electronic Expansion Valve	Electronic Expansion Valve	Electronic Expansion Valve	Electronic Expansion Valve	Electronic Expansion Valve	Electronic Expansion Valve	Electronic Expansion Valve
Design Pressure, High / Low		psig	580/320	580/320	580/320	580/320	580/320	580/320	580/320
Refrigerant Piping	Liquid Side, OD (Flare)	in	1/4	1/4	3/8	3/8	3/8	3/8	3/8
	Suction Side, OD (Flare)	in	1/2	1/2	5/8	5/8	5/8	5/8	5/8
Connecting Wiring	Power Wiring		Sized Per NEC and Local Codes Based on Nameplate Electrical Data	Sized Per NEC and Local Codes Based on Nameplate Electrical Data	Sized Per NEC and Local Codes Based on Nameplate Electrical Data	Sized Per NEC and Local Codes Based on Nameplate Electrical Data	Sized Per NEC and Local Codes Based on Nameplate Electrical Data	Sized Per NEC and Local Codes Based on Nameplate Electrical Data	Sized Per NEC and Local Codes Based on Nameplate Electrical Data
	Signal Wiring		2-Core Stranded Shielded Cable 18AWG	2-Core Stranded Shielded Cable 18AWG	2-Core Stranded Shielded Cable 18AWG	2-Core Stranded Shielded Cable 18AWG	2-Core Stranded Shielded Cable 18AWG	2-Core Stranded Shielded Cable 18AWG	2-Core Stranded Shielded Cable 18AWG
Condensate Pipe Diameter, OD		in	5/8	5/8	5/8	5/8	5/8	5/8	5/8
Electrical Data	MCA	A	0.44	0.73	0.87	1.20	1.40	1.80	2.80
	MOPD	A	15	15	15	15	15	15	15

Note: Testing Condition AHRI rated conditions: Cooling: Indoor air temperature 80° F dry bulb / 67° F wet bulb, outdoor air temperature 95° F dry bulb.
Heating: Indoor air temperature 70° F dry bulb, outdoor air temperature 47° F dry bulb / 43° F wet bulb.

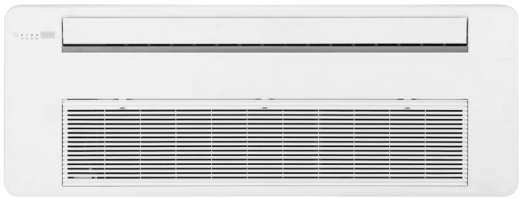
40VMR
Floor Console (Recessed)

The Carrier VRF floor console (recessed) units can be installed inside a wall or custom-built cabinet to match the interior space design.

- Washable filter in an adjustable (1"-2") filter rack
- External static pressure up to 0.15

Indoor Unit Model Name			40VMR007---3	40VMR009---3	40VMR012---3	40VMR015---3	40VMR018---3	40VMR024---3
Power Supply			208/230V, 1-Phase, 60Hz	208/230V, 1-Phase, 60Hz	208/230V, 1-Phase, 60Hz	208/230V, 1-Phase, 60Hz	208/230V, 1-Phase, 60Hz	208/230V, 1-Phase, 60Hz
Cooling Capacity		Btu/H	7,000	9,000	12,000	15,000	18,000	24,000
Sensible Cooling Capacity		Btu/H	6,000	6,830	9,140	11,390	12,610	17,880
Heating Capacity		Btu/H	8,000	10,000	13,000	17,000	20,000	27,000
Indoor Fan Motor	Type		DC Motor	DC Motor	DC Motor	DC Motor	DC Motor	DC Motor
	Input	W	19	19	25	41	27	79
Indoor Airflow	Low	cfm	253	253	271	347	365	553
	Medium	cfm	276	276	335	424	418	635
	High	cfm	300	300	400	500	488	776
Indoor External Static Pressure		in WG	0.12	0.12	0.12	0.12	0.12	0.12
Indoor Unit Sound Level	Low	dB(A)	35.7	35.8	32.5	36.8	32.8	42.5
	Medium	dB(A)	38.2	37.9	36.3	41.7	35.5	45.2
	High	dB(A)	39.9	39.8	40.3	45.3	39.0	49.9
Unit	Dimensions, W x H x D	in	35-1/4 x 24 x 8-3/8	35-1/4 x 24 x 8-3/8	43-1/8 x 24 x 8-3/8	43-1/8 x 24 x 8-3/8	54-15/16 x 24 x 8-3/8	54-15/16 x 24 x 8-3/8
	Net / Gross Weight	lb	48.9/80.0	48.9/80.0	59.1/91.5	59.1/91.5	69.2/102.1	69.2/102.1
Refrigerant Type			R410a	R410a	R410a	R410a	R410a	R410a
Expansion Device			Electronic Expansion Valve	Electronic Expansion Valve	Electronic Expansion Valve	Electronic Expansion Valve	Electronic Expansion Valve	Electronic Expansion Valve
Design Pressure, High / Low		psig	580/320	580/320	580/320	580/320	580/320	580/320
Refrigerant Piping	Liquid Side, OD (Flare)	in	1/4	1/4	1/4	1/4	3/8	3/8
	Suction Side, OD (Flare)	in	1/2	1/2	1/2	1/2	5/8	5/8
Connecting Wiring	Power Wiring		Sized Per NEC and Local Codes Based on Nameplate Electrical Data	Sized Per NEC and Local Codes Based on Nameplate Electrical Data	Sized Per NEC and Local Codes Based on Nameplate Electrical Data	Sized Per NEC and Local Codes Based on Nameplate Electrical Data	Sized Per NEC and Local Codes Based on Nameplate Electrical Data	Sized Per NEC and Local Codes Based on Nameplate Electrical Data
	Signal Wiring		2-Core Stranded Shielded Cable 18AWG	2-Core Stranded Shielded Cable 18AWG	2-Core Stranded Shielded Cable 18AWG	2-Core Stranded Shielded Cable 18AWG	2-Core Stranded Shielded Cable 18AWG	2-Core Stranded Shielded Cable 18AWG
Condensate Pipe Diameter, OD		in	5/8	5/8	5/8	5/8	5/8	5/8
Electrical Data	MCA		0.55	0.55	0.63	0.83	0.72	1.38
	MOPD		15	15	15	15	15	15

Note: Testing Condition AHRI rated conditions: Cooling: Indoor air temperature 80° F dry bulb / 67° F wet bulb, outdoor air temperature 95° F dry bulb.
Heating: Indoor air temperature 70° F dry bulb, outdoor air temperature 47° F dry bulb / 43° F wet bulb.



40VMI
One-Way Cassette

The Carrier one-way cassette has a slim and compact design, ideal for any solution in which ceiling space is limited.

- One directional airflow with multiple fan speeds
- Knock-out for outside air on sizes 15K to 24K
- Quiet operation even at high fan speed settings

Indoor Unit Model Name			40VMI005---3	40VMI007---3	40VMI009---3	40VMI012---3	40VMI015---3	40VMI018---3	40VMI024---3
Power Supply			208/230V, 1-Phase, 60Hz	208/230V, 1-Phase, 60Hz	208/230V, 1-Phase, 60Hz	208/230V, 1-Phase, 60Hz	208/230V, 1-Phase, 60Hz	208/230V, 1-Phase, 60Hz	208/230V, 1-Phase, 60Hz
Total Cooling Capacity		Btu/H	5,070	7,100	9,130	12,170	15,210	18,250	24,340
Sensible Cooling Capacity		Btu/H	4,370	5,530	6,900	8,590	10,660	12,950	16,130
Heating Capacity		Btu/H	6,000	8,000	10,000	13,500	17,000	21,000	27,000
Indoor Fan Motor	Type		DC	DC	DC	DC	DC	DC	DC
	Input	W	10	10	10	15	20	30	31
Indoor Airflow	Low	cfm	143	143	180	213	309	387	408
	Medium	cfm	174	181	226	226	345	429	472
	High	cfm	198	227	273	310	379	472	517
Indoor Unit Sound Level	Low	dB(A)	28.5	29.4	32.5	36.1	36.3	40.8	42.2
	Medium	dB(A)	29.6	32.0	36.0	41.0	38.1	43.1	43.6
	High	dB(A)	31.7	35.4	41.5	45.0	40.7	45.5	46.2
Unit	Dimensions, W x H x D	in	42 x 6 x 16-3/4	42 x 6 x 16-3/4	42 x 6 x 16-3/4	42 x 6 x 16-3/4	51-1/2 x 7-1/2 x 18	51-1/2 x 7-1/2 x 18	51-1/2 x 7-1/2 x 18
	Net / Gross Weight	lb	27.1/36.8	28.0/37.5	29.1/37.9	29.1/37.9	38.8/51.6	38.8/51.6	41.0/54.7
Panel / Grille	Dimensions, W x H x D	in	46-1/2 x 1 x 18-1/4	46-1/2 x 1 x 18-1/4	46-1/2 x 1 x 18-1/4	46-1/2 x 1 x 18-1/4	53 x 1 x 19-3/4	53 x 1 x 19-3/4	53 x 1 x 19-3/4
	Net / Gross Weight	lb	7.75/11.50	7.75/11.50	7.75/11.50	7.75/11.50	8.82/12.00	8.82/12.00	8.82/12.00
Refrigerant Type			R410a	R410a	R410a	R410a	R410a	R410a	R410a
Expansion Device			Electronic Expansion Valve	Electronic Expansion Valve	Electronic Expansion Valve	Electronic Expansion Valve	Electronic Expansion Valve	Electronic Expansion Valve	Electronic Expansion Valve
Design Pressure, High / Low		psig	580/320	580/320	580/320	580/320	580/320	580/320	580/320
Refrigerant Piping	Liquid Side, OD (Flare)	in	1/4	1/4	1/4	1/4	1/4	3/8	3/8
	Suction Side, OD (Flare)	in	1/2	1/2	1/2	1/2	1/2	5/8	5/8
Connecting Wiring	Power Wiring		Sized Per NEC and Local Codes Based on Nameplate Electrical Data	Sized Per NEC and Local Codes Based on Nameplate Electrical Data	Sized Per NEC and Local Codes Based on Nameplate Electrical Data	Sized Per NEC and Local Codes Based on Nameplate Electrical Data	Sized Per NEC and Local Codes Based on Nameplate Electrical Data	Sized Per NEC and Local Codes Based on Nameplate Electrical Data	Sized Per NEC and Local Codes Based on Nameplate Electrical Data
	Signal Wiring		2-Core Stranded Shielded Cable 18AWG	2-Core Stranded Shielded Cable 18AWG	2-Core Stranded Shielded Cable 18AWG	2-Core Stranded Shielded Cable 18AWG	2-Core Stranded Shielded Cable 18AWG	2-Core Stranded Shielded Cable 18AWG	2-Core Stranded Shielded Cable 18AWG
Condensate Pipe Diameter, OD		in	1	1	1	1	1	1	1
Condensate Pump			Included	Included	Included	Included	Included	Included	Included
Electrical Data	MCA	A	0.29	0.29	0.29	0.37	0.44	0.58	0.58
	MOPD	A	15	15	15	15	15	15	15

Note: Limits connected capacity at 30%.

Note: Testing Condition AHRI rated conditions: Cooling: Indoor air temperature 80° F dry bulb / 67° F wet bulb, outdoor air temperature 95° F dry bulb.
Heating: Indoor air temperature 70° F dry bulb, outdoor air temperature 47° F dry bulb / 43° F wet bulb.

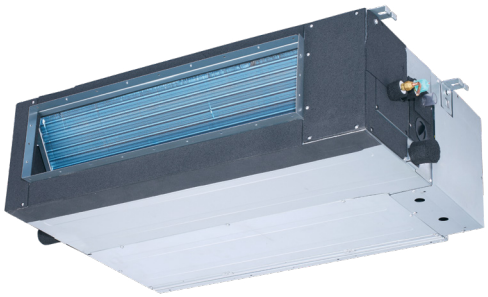
40VML
Low Static Ducted (Slim Profile)

The Carrier VRF low static ducted (slim profile) unit is only 8-1/4" in height, making it an ideal candidate for narrow soffit space applications. Air return can be rear or bottom, but rear is default.

- Integrated condensate lift up to 27.5"
- Filter is washable

Indoor Unit Model Name			40VML007---3	40VML009---3	40VML012---3	40VML015---3	40VML018---3	40VML024---3
Power Supply			208/230V, 1-Phase, 60Hz	208/230V, 1-Phase, 60Hz	208/230V, 1-Phase, 60Hz	208/230V, 1-Phase, 60Hz	208/230V, 1-Phase, 60Hz	208/230V, 1-Phase, 60Hz
Total Cooling Capacity		Btu/H	7,000	9,000	12,000	15,000	18,000	24,000
Sensible Cooling Capacity		Btu/H	5,740	6,580	8,290	10,560	12,520	16,690
Heating Capacity		Btu/H	8,000	10,000	13,500	17,000	21,000	27,000
Indoor Fan Motor	Type		DC	DC	DC	DC	DC	DC
	Input	W	25	25	32	43	56	68
Indoor Airflow	Low	cfm	224	224	236	306	353	471
	Medium	cfm	253	253	294	367	424	565
	High	cfm	283	283	353	459	530	701
Indoor External Static Pressure		in WG	0-0.20	0-0.20	0-0.20	0-0.20	0-0.20	0-0.20
Indoor Unit Sound Level	Low	dB(A)	31.4	31.0	33.0	33.2	36.0	37.0
	Medium	dB(A)	32.0	32.0	34.6	35.2	38.0	38.8
	High	dB(A)	34.0	34.5	37.0	36.7	40.2	41.3
Unit	Dimensions, W x H x D	in	30-3/4 x 8-1/4 x 19-3/4	30-3/4 x 8-1/4 x 19-3/4	30-3/4 x 8-1/4 x 19-3/4	39-1/4 x 8-1/4 x 19-3/4	39-1/4 x 8-1/4 x 19-3/4	48 x 8-1/4 x 19-3/4
	Net / Gross Weight	lb	41.0/48.5	41.0/48.5	41.0/48.5	48.5/57.5	48.5/57.5	59.5/71.5
Refrigerant Type			R410a	R410a	R410a	R410a	R410a	R410a
Expansion Device			Electronic Expansion Valve	Electronic Expansion Valve	Electronic Expansion Valve	Electronic Expansion Valve	Electronic Expansion Valve	Electronic Expansion Valve
Design Pressure, High / Low		psig	580/320	580/320	580/320	580/320	580/320	580/320
Refrigerant Piping (in)	Liquid Side, OD (Flare)	in	1/4	1/4	1/4	1/4	3/8	3/8
	Suction Side, OD (Flare)	in	1/2	1/2	1/2	1/2	5/8	5/8
Connecting Wiring	Power Wiring		Sized Per NEC and Local Codes Based on Nameplate Electrical Data	Sized Per NEC and Local Codes Based on Nameplate Electrical Data	Sized Per NEC and Local Codes Based on Nameplate Electrical Data	Sized Per NEC and Local Codes Based on Nameplate Electrical Data	Sized Per NEC and Local Codes Based on Nameplate Electrical Data	Sized Per NEC and Local Codes Based on Nameplate Electrical Data
	Signal Wiring		2-Core Stranded Shielded Cable 18AWG	2-Core Stranded Shielded Cable 18AWG	2-Core Stranded Shielded Cable 18AWG	2-Core Stranded Shielded Cable 18AWG	2-Core Stranded Shielded Cable 18AWG	2-Core Stranded Shielded Cable 18AWG
Condensate Pipe Diameter, OD		in	1	1	1	1	1	1
Condensate Pump			Included	Included	Included	Included	Included	Included
Electrical Data	MCA	A	0.50	0.50	0.60	0.80	0.95	1.18
	MOPD	A	15	15	15	15	15	15

Note: Testing Condition AHRI rated conditions: Cooling: Indoor air temperature 80° F dry bulb / 67° F wet bulb, outdoor air temperature 95° F dry bulb.
Heating: Indoor air temperature 70° F dry bulb, outdoor air temperature 47° F dry bulb / 43° F wet bulb.



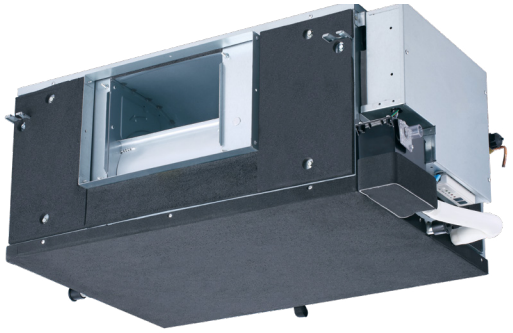
40VMM
Medium Static Ducted

The Carrier VRF medium static ducted unit is ideal for single-room, hideaway or ducted applications. Air return can be rear or bottom, but rear is default.

- Integrated condensate lift up to 27.5"
- Filter is washable

Indoor Unit Model Name			40VMM007A--3	40VMM009A--3	40VMM012A--3	40VMM015A--3	40VMM018A--3	40VMM024A--3	40VMM030A--3	40VMM036A--3	40VMM048A--3
Power Supply			208/230V, 1-Phase, 60Hz	208/230V, 1-Phase, 60Hz	208/230V, 1-Phase, 60Hz	208/230V, 1-Phase, 60Hz	208/230V, 1-Phase, 60Hz	208/230V, 1-Phase, 60Hz	208/230V, 1-Phase, 60Hz	208/230V, 1-Phase, 60Hz	208/230V, 1-Phase, 60Hz
Total Cooling Capacity		Btu/H	7,000	9,000	12,000	15,000	18,000	24,000	30,000	38,000	48,000
Sensible Cooling Capacity		Btu/H	5,490	7,080	9,310	11,630	14,000	17,730	23,140	27,460	32,860
Heating Capacity		Btu/H	8,000	10,000	13,600	17,000	21,000	27,000	34,000	42,000	54,000
Indoor Fan Motor	Type		DC	DC	DC	DC	DC	DC	DC	DC	DC
	Input	W	50	50	135	145	185	230	290	325	370
Indoor Airflow	Low	cfm	220	220	320	400	480	570	780	860	980
	Medium	cfm	220	260	360	450	540	640	900	980	1,100
	High	cfm	260	330	430	535	640	800	1,070	1,200	1,370
Indoor External Static Pressure		in WG	0.32	0.32	0.60	0.60	0.60	0.60	0.60	0.60	0.60
Indoor Unit Sound Level	Low	dB(A)	31.8	31.8	32.7	31.4	31.9	34.2	39.4	40.8	41.2
	Medium	dB(A)	32.1	32.4	33.7	32.7	33.6	36.3	42.3	43.8	43.8
	High	dB(A)	33.2	32.7	36.7	35.9	38.6	42.0	46.7	47.8	48.0
Unit	Dimensions, W x H x D	in	39-1/4 x 8-1/4 x 19-3/4	39-1/4 x 8-1/4 x 19-3/4	39-3/4 x 10-5/8 x 25	48-1/2 x 10-5/8 x 30-1/2	48-1/2 x 10-5/8 x 30-1/2	48-1/2 x 10-5/8 x 30-1/2	50-3/4 x 11-7/8 x 34-1/8	50-3/4 x 11-7/8 x 34-1/8	50-3/4 x 11-7/8 x 34-1/8
	Net / Gross Weight	lb	50.7/57.5	50.7/57.5	76.0/88.0	99.2/115.0	99.2/115.0	99.2/115.0	124.0/143.0	124.0/143.0	124.0/143.0
Refrigerant Type			R410a	R410a	R410a	R410a	R410a	R410a	R410a	R410a	R410a
Expansion Device			Electronic Expansion Valve	Electronic Expansion Valve	Electronic Expansion Valve	Electronic Expansion Valve	Electronic Expansion Valve	Electronic Expansion Valve	Electronic Expansion Valve	Electronic Expansion Valve	Electronic Expansion Valve
Design Pressure, High / Low		psig	580/320	580/320	580/320	580/320	580/320	580/320	580/320	580/320	580/320
Refrigerant Piping	Liquid Side, OD (Flare)	in	1/4	1/4	1/4	1/4	3/8	3/8	3/8	3/8	3/8
	Suction Side, OD (Flare)	in	1/2	1/2	1/2	1/2	5/8	5/8	5/8	5/8	5/8
Connecting Wiring	Power Wiring		Sized Per NEC and Local Codes Based on Nameplate Electrical Data	Sized Per NEC and Local Codes Based on Nameplate Electrical Data	Sized Per NEC and Local Codes Based on Nameplate Electrical Data	Sized Per NEC and Local Codes Based on Nameplate Electrical Data	Sized Per NEC and Local Codes Based on Nameplate Electrical Data	Sized Per NEC and Local Codes Based on Nameplate Electrical Data	Sized Per NEC and Local Codes Based on Nameplate Electrical Data	Sized Per NEC and Local Codes Based on Nameplate Electrical Data	Sized Per NEC and Local Codes Based on Nameplate Electrical Data
	Signal Wiring		2-Core Stranded Shielded Cable 18AWG	2-Core Stranded Shielded Cable 18AWG	2-Core Stranded Shielded Cable 18AWG	2-Core Stranded Shielded Cable 18AWG	2-Core Stranded Shielded Cable 18AWG	2-Core Stranded Shielded Cable 18AWG	2-Core Stranded Shielded Cable 18AWG	2-Core Stranded Shielded Cable 18AWG	2-Core Stranded Shielded Cable 18AWG
Condensate Pipe Diameter, OD		in	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
Condensate Pump			Included	Included	Included	Included	Included	Included	Included	Included	Included
Electrical Data	MCA	A	1.25	1.25	3.13	3.13	3.13	3.13	5.00	5.00	5.00
	MOPD	A	15	15	15	15	15	15	15	15	15

Note: Testing Condition AHRI rated conditions: Cooling: Indoor air temperature 80° F dry bulb / 67° F wet bulb, outdoor air temperature 95° F dry bulb.
Heating: Indoor air temperature 70° F dry bulb, outdoor air temperature 47° F dry bulb / 43° F wet bulb.



40VMH
High Static Ducted

The Carrier VRF high static ducted indoor units can handle higher static to support longer ductwork for a given space and are ideal for hideaway applications serving multiple zones.

- Integrated condensate lift up to 27.5", for sizes up to 54 kBtu/h
- For sizes 72 & 96, condensate pump is available as an accessory
- DC inverter fan motor and multiple fan speeds

Indoor Unit Model Name			40VMH024---3	40VMH030---3	40VMH036---3	40VMH048---3	40VMH054---3	40VMH072---3	40VMH096---3
Power Supply			208/230V, 1-Phase, 60Hz	208/230V, 1-Phase, 60Hz	208/230V, 1-Phase, 60Hz	208/230V, 1-Phase, 60Hz	208/230V, 1-Phase, 60Hz	208/230V, 1-Phase, 60Hz	208/230V, 1-Phase, 60Hz
Total Cooling Capacity		Btu/H	24,000	30,000	36,000	48,000	53,500	72,000	96,000
Sensible Cooling Capacity		Btu/H	16,520	20,500	24,420	32,600	38,790	50,920	64,570
Heating Capacity		Btu/H	27,000	34,000	40,000	54,000	60,000	81,000	108,000
Indoor Fan Motor	Type		DC	DC	DC	DC	DC	DC	DC
	Input	W	81	140	190	220	420	245*2	395*2
Indoor Airflow	Low	cfm	524	647	882	1,041	1,412	1,559	2,076
	Medium	cfm	600	753	1,029	1,200	1,618	1,794	2,400
	High	cfm	735	971	1,188	1,429	1,835	2,235	2,824
Indoor External Static Pressure		in WG	0.80	0.80	0.80	0.80	0.80	1.00	1.00
Indoor Unit Sound Level	Low	dB(A)	44.7	44.2	49.1	48.3	52.0	48.7	52.4
	Medium	dB(A)	47.8	48.1	52.8	51.8	55.8	52.2	54.7
	High	dB(A)	51.0	52.0	55.5	54.9	58.1	55.9	56.4
Unit	Dimensions, W x H x D	in	37-1/2 x 16-1/2 x 27-3/16	37-1/2 x 16-1/2 x 27-3/16	37-1/2 x 16-1/2 x 27-3/16	51-3/16 x 16-1/2 x 27-3/16	51-3/16 x 16-1/2 x 27-3/16	56-3/4 x 20 x 36-7/16	56-3/4 x 20 x 36-7/16
	Net / Gross Weight	lb	110.0/168.4	114.6/171.0	114.6/171.0	159.2/231.5	159.2/231.5	254.2/342.8	254.2/342.8
Refrigerant Type			R410a	R410a	R410a	R410a	R410a	R410a	R410a
Expansion Device			Electronic Expansion Valve	Electronic Expansion Valve	Electronic Expansion Valve	Electronic Expansion Valve	Electronic Expansion Valve	Electronic Expansion Valve	Electronic Expansion Valve
Design Pressure, High / Low		psig	580/320	580/320	580/320	580/320	580/320	580/320	580/320
Refrigerant Piping	Liquid Side, OD (Flare Braze)	in	3/8	3/8	3/8	3/8	3/8	3/8	3/8
	Suction Side, OD (Flare Braze)	in	5/8	5/8	5/8	5/8	5/8	7/8	7/8
Connecting Wiring	Power Wiring		Sized Per NEC and Local Codes Based on Nameplate Electrical Data	Sized Per NEC and Local Codes Based on Nameplate Electrical Data	Sized Per NEC and Local Codes Based on Nameplate Electrical Data	Sized Per NEC and Local Codes Based on Nameplate Electrical Data	Sized Per NEC and Local Codes Based on Nameplate Electrical Data	Sized Per NEC and Local Codes Based on Nameplate Electrical Data	Sized Per NEC and Local Codes Based on Nameplate Electrical Data
	Signal Wiring		2-Core Stranded Shielded Cable 18AWG	2-Core Stranded Shielded Cable 18AWG	2-Core Stranded Shielded Cable 18AWG	2-Core Stranded Shielded Cable 18AWG	2-Core Stranded Shielded Cable 18AWG	2-Core Stranded Shielded Cable 18AWG	2-Core Stranded Shielded Cable 18AWG
Condensate Pipe Diameter, OD		in	1	1	1	1	1	1-5/8	1-5/8
Condensate Pump			Included	Included	Included	Included	Included	Not included (field supplied, field installed)	Not included (field supplied, field installed)
Electrical Data	MCA	A	5.70	7.10	7.30	7.60	7.80	9.70	10.20
	MOPD	A	15	15	15	15	15	15	15

Note: Testing Condition AHRI rated conditions: Cooling: Indoor air temperature 80° F dry bulb / 67° F wet bulb, outdoor air temperature 95° F dry bulb.
Heating: Indoor air temperature 70° F dry bulb, outdoor air temperature 47° F dry bulb / 43° F wet bulb.

40VMV
Vertical AHU

The Carrier VRF vertical air handling unit is a multi-positional unit—vertical and horizontal—ideal for closet applications.

- Single point power connection for electrical heater (MCA and MOPD field calculated)
- Comes standard with a constant CFM ECM motor for consistent airflow

Indoor Unit Model Name			40VMV012A---3	40VMV018A---3	40VMV024A---3	40VMV030A---3	40VMV036A---3	40VMV048A---3	40VMV054A---3
Power Supply			208/230V, 1-Phase, 60Hz	208/230V, 1-Phase, 60Hz	208/230V, 1-Phase, 60Hz	208/230V, 1-Phase, 60Hz	208/230V, 1-Phase, 60Hz	208/230V, 1-Phase, 60Hz	208/230V, 1-Phase, 60Hz
Total Cooling Capacity		Btu/H	12,000	18,000	24,000	30,000	36,000	48,000	53,500
Sensible Cooling Capacity		Btu/H	9,400	14,000	18,600	22,600	28,300	37,100	41,300
Heating Capacity		Btu/H	13,500	21,000	27,000	34,000	40,000	54,000	60,000
Indoor Fan Motor	Type		DC	DC	DC	DC	DC	DC	DC
	Input	W	43	60	100	151	187	355	466
Indoor Airflow	Low	cfm	320	420	560	700	840	1,120	1,260
	Medium	cfm	320	510	680	850	1,020	1,360	1,530
	High	cfm	400	600	800	1,000	1,200	1,600	1,800
Indoor External Static Pressure		in WG	0.80	0.80	0.80	0.80	0.80	0.80	0.80
Indoor Unit Sound Level	Low	dB(A)	34.5	34.4	37.9	44.4	39.3	43.8	47.9
	Medium	dB(A)	34.5	37.1	42.3	48.4	44.1	48.5	52.6
	High	dB(A)	37.6	41.6	46.2	52.2	46.9	53.0	57.1
Unit	Dimensions, W x H x D	in	19-5/8 x 46-1/2 x 20-5/8	19-5/8 x 46-1/2 x 20-5/8	19-5/8 x 46-1/2 x 20-5/8	19-5/8 x 46-1/2 x 20-5/8	22 x 54-1/2 x 24	22 x 54-1/2 x 24	22 x 54-1/2 x 24
	Net / Gross Weight	lb	115/139	115/139	119/143	119/143	157/183	157/183	157/183
Refrigerant Type			R410a	R410a	R410a	R410a	R410a	R410a	R410a
Expansion Device			Electronic Expansion Valve	Electronic Expansion Valve	Electronic Expansion Valve	Electronic Expansion Valve	Electronic Expansion Valve	Electronic Expansion Valve	Electronic Expansion Valve
Design Pressure, High / Low		psig	580/320	580/320	580/320	580/320	580/320	580/320	580/320
Refrigerant Piping	Liquid Side, OD (Sweat)	in	1/4	3/8	3/8	3/8	3/8	3/8	3/8
	Suction Side, OD (Sweat)	in	1/2	5/8	5/8	5/8	5/8	5/8	5/8
Connecting Wiring	Power Wiring		Sized Per NEC and Local Codes Based on Nameplate Electrical Data	Sized Per NEC and Local Codes Based on Nameplate Electrical Data	Sized Per NEC and Local Codes Based on Nameplate Electrical Data	Sized Per NEC and Local Codes Based on Nameplate Electrical Data	Sized Per NEC and Local Codes Based on Nameplate Electrical Data	Sized Per NEC and Local Codes Based on Nameplate Electrical Data	Sized Per NEC and Local Codes Based on Nameplate Electrical Data
	Signal Wiring		2-Core Stranded Shielded Cable 18AW	2-Core Stranded Shielded Cable 18AWG	2-Core Stranded Shielded Cable 18AWG	2-Core Stranded Shielded Cable 18AWG	2-Core Stranded Shielded Cable 18AWG	2-Core Stranded Shielded Cable 18AWG	2-Core Stranded Shielded Cable 18AWG
Condensate Pipe Diameter, OD		in	3/4" NPT	3/4" NPT	3/4" NPT	3/4" NPT	3/4" NPT	3/4" NPT	3/4" NPT
Electrical data	MCA	A	1.50	3.80	3.80	3.80	5.30	5.30	7.20
	MOPD	A	15	15	15	15	15	15	15
Optional									
Electrical Heater (208V / 230V)	40VM910005 (5.0 kW)		•	•	•	•	•	•	•
	40VM910007 (7.5 kW)			•	•	•	•	•	•
	40VM910010 (10.0 kW)				•	•	•	•	•
	40VM910015 (15.0 kW)							•	•
	40VM910020 (20.0 kW)							•	•

Note: Testing Condition AHRI rated conditions: Cooling: Indoor air temperature 80° F dry bulb / 67° F wet bulb, outdoor air temperature 95° F dry bulb.
Heating: Indoor air temperature 70° F dry bulb, outdoor air temperature 47° F dry bulb / 43° F wet bulb.

40VMA
Outside Air Ducted

The Carrier outside air ducted unit draws ventilation air into the space to provide outside air. The units are installed in plenum and can be connected to heat recovery and heat pump systems along with other indoor units.

- Discharge temperature control
- Integrated condensate lift up to 27.5"

Indoor Unit Model Name			40VMA036---3	40VMA048---3	40VMA054---3	40VMA072---3	40VMA096---3
Power Supply			208/230V, 1-Phase, 60Hz	208/230V, 1-Phase, 60Hz	208/230V, 1-Phase, 60Hz	208/230V, 1-Phase, 60Hz	208/230V, 1-Phase, 60Hz
Total Cooling Capacity		Btu/H	36,000	48,000	53,500	72,000	96,000
Heating Capacity		Btu/H	24,000	30,000	36,000	47,000	59,000
Indoor Fan Motor	Type		DC	DC	DC	DC	DC
	Input	W	64	71	87	60*2	80*2
Indoor Airflow	Low	cfm	441	471	529	882	1,029
	Medium	cfm	529	559	647	971	1,176
	High	cfm	588	647	765	1,059	1,294
Indoor External Static Pressure		in WG	0.80	0.80	0.80	1.00	1.00
Indoor Unit Sound Level	Low	dB(A)	43.8	43.4	43.9	48.5	47.7
	Medium	dB(A)	47.8	47.8	47.8	50.0	50.8
	High	dB(A)	49.5	50.4	51.4	52.1	53.5
Unit	Dimensions, W x H x D	in	51-3/16 x 16-1/2 x 27-3/16	51-3/16 x 16-1/2 x 27-3/16	51-3/16 x 16-1/2 x 27-3/16	56-11/16 x 20 x 36 - 3/8	56-11/16 x 20 x 36 - 3/8
	Net / Gross Weight	lb	161.4/233.7	61.4/233.7	61.4/233.7	255.7/346.2	255.7/346.2
Refrigerant Type			R410a	R410a	R410a	R410a	R410a
Expansion Device			Electronic Expansion Valve	Electronic Expansion Valve	Electronic Expansion Valve	Electronic Expansion Valve	Electronic Expansion Valve
Design Pressure, High / Low		psig	580/320	580/320	580/320	580/320	580/320
Refrigerant Piping	Liquid Side, OD (Flare Braze)	in	3/8	3/8	3/8	3/8	3/8
	Suction Side, OD (Flare Braze)	in	5/8	5/8	5/8	7/8	7/8
Connecting Wiring	Power Wiring		Sized Per NEC and Local Codes Based on Nameplate Electrical Data	Sized Per NEC and Local Codes Based on Nameplate Electrical Data	Sized Per NEC and Local Codes Based on Nameplate Electrical Data	Sized Per NEC and Local Codes Based on Nameplate Electrical Data	Sized Per NEC and Local Codes Based on Nameplate Electrical Data
	Signal Wiring		2-Core Stranded Shielded Cable 18AWG	2-Core Stranded Shielded Cable 18AWG	2-Core Stranded Shielded Cable 18AWG	2-Core Stranded Shielded Cable 18AWG	2-Core Stranded Shielded Cable 18AWG
Condensate Pipe Diameter, OD		in	1	1	1	1-5/8	1-5/8
Condensate Pump			Included	Included	Included	Not included (field supplied, field installed)	Not included (field supplied, field installed)
Electrical Data	MCA	A	5.70	6.30	6.90	8.50	10.00
	MOPD	A	15	15	15	15	15

Note: Limits connected capacity at 30%.

Note: Testing Condition AHRI rated conditions: Cooling: Indoor air temperature 80° F dry bulb / 67° F wet bulb, outdoor air temperature 95° F dry bulb.
Heating: Indoor air temperature 70° F dry bulb, outdoor air temperature 47° F dry bulb / 43° F wet bulb.

CARRIER VRF SYSTEMS: CONTROLS

Carrier controls provide maximum flexibility and regulation. They easily integrate with all Carrier HVAC lines and VRF systems, and can communicate with existing and third-party building management systems for a complete view of your entire system.

Individual Zone Controls

Wireless Remote Controller – 40VM900001

The Carrier VRF wireless remote controller is a handheld thermostat that maintains room temperature by controlling indoor unit operation through a signal that is free of obstruction.

- Mode setting
- Fan speed setting
- Setpoint display
- Louver swing setting
- ON / OFF
- Clock and timer setting
- Lock function
- Addressing capability

Non-Programmable Wired Remote Controller – 40VM910002

The Carrier VRF wired remote controller (non-programmable) is a wall-mounted thermostat that maintains room temperature by controlling system operation.

- Easy to use
- Mode setting
- Fan speed setting
- Dual setpoint control
- Louver swing setting
- ON / OFF
- Touch button
- Backlight
- Group control (max 16 indoor units)
- Addressing capability
- Error display

Programmable Wired Remote Controller – 40VM910003

The Carrier VRF wired remote controller (programmable) is a wall-mounted thermostat that maintains room temperature by controlling system operation.

- Easy to use
- Mode setting
- Fan speed setting
- Dual setpoint control
- Weekly scheduling
- Louver swing setting
- Touch button
- Backlight
- Group control (max 16 indoor units)
- Addressing capability
- Error display
- ON / OFF

Touch Screen Wired Remote Controller – 40VM900005

The touch screen wired controller is a low voltage, wall-mounted controller that maintains room temperature by controlling the Carrier VRF system operation. The controller is capable of displaying temperatures from 54° F to 86° F for standard indoor units and 50° F to 86° F for outside air units.

- Group control (max 16 indoor units)
- Dual setpoint control
- Weekly scheduling
- Touchscreen
- Mode setting: fan speed, swing
- Room temperature display
- Controls up to 384 indoor units
- Addressing capability
- Error code display
- 1° F temperature indication

24V Interface – 40VM900008

The 24V interface for Carrier VRF systems is a device that enables the use of a conventional 24VAC thermostat with indoor units. The interface receives a 24VAC signal which translates to the system's communication protocol and sends the commands to the indoor units of the HA/HB communication bus.

- Cool / heat / fan inputs
- Indoor use only
- One interface per indoor unit

Low Profile "Button" Sensor – 40VM900009

The low profile "button" sensor is ideal for locations where aesthetics are as important as the temperature measurement. The wall sensor mounts easily by pushing through a small 7/16" hole and is secured with a peel off tape strip. The only visible portion is a flush 7/8" dot on the wall.

- Small flush sensor mounting
- Accurate direct air measurement
- Paintable with latex or oil base

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