



# 2<sup>nd</sup> Generation VRF DC INDOOR UNITS

## Wide Application Range

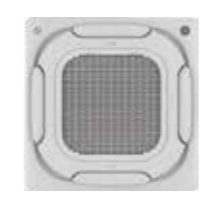
### Wide Range of Indoor Units

With 11 types and more than 100 models, Carrier VRF indoor units meet varied customer requirements in a wide range of locations including shopping malls, hospitals, office buildings, hotels and airports.



### Multiple Appearance Options

For Four-way Cassette and Compact Four-way Cassette Units, interchangeable 360° airflow and four-way airflow panels are available.



360° airflow



Four-way airflow

For Floor Standing Units, the F3B (concealed) unit is designed to be concealed in walls while the F4 (front air intake) and F5 (underside air intake) offer a choice of air intake options.



F3B (concealed)



F4 (front air intake)



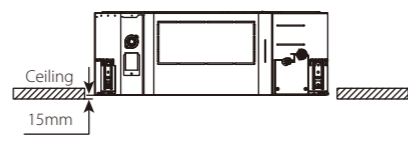
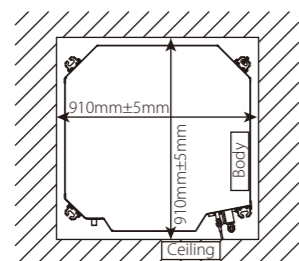
F5 (underside air intake)

# Four-way Cassette

- Fresh air intake
- Four-way airflow, allows wide-angle, equal distribution of cooling and heating
- Drain pump with 750mm pump head fitted as standard
- Brand-new, elegant panel with four independently controlled louvers



Brand new



New panel appearance

New panel installation dimensions

Model	40VK009H11500016	40VK012H11500016	40VK016H11500016	40VK020H11500016	40VK024H11500016		
Power supply	1 phase, 220-240V, 50/60Hz						
Cooling <sup>1</sup>	Capacity	kW	2.8	3.6	4.5	5.6	7.1
		kBtu/h	9.6	12.3	15.4	19.1	24.2
Heating <sup>2</sup>	Capacity	kW	2.5	3.1	3.1	4.6	4.6
		kBtu/h	10.9	13.6	17.1	21.5	27.3
Air flow rate <sup>3</sup>	m <sup>3</sup> /h	801/751/711/658/637/611/542		893/866/804/744/714/698/635		977/937/864/800/778/738/671	
Sound pressure level <sup>4</sup>	dB(A)	32/31/30/28/26/23		35/34/31/31/30/28/26		35/35/34/31/30/28/27	
Main body	Net dimensions <sup>5</sup> (WxHxD)	mm	840x230x840				
	Packed dimensions (WxHxD)	mm	955x260x955				
	Net/Gross weight	kg	21.3/25.8		23.2/27.6		
Panel	Net dimensions (WxHxD)	mm	950x54.5x950				
	Packed dimensions (WxHxD)	mm	1035x90x1035				
Pipe connections	Liquid/Gas pipe	mm	Φ6.35/Φ12.7		Φ9.53/Φ15.9		
	Drain pipe	mm	OD Φ32				

Model	40VK028H11500016	40VK030H11500016	40VK034H11500016	40VK036H11500016	40VK048H11500016				
Power supply	1 phase, 220-240V, 50/60Hz								
Cooling <sup>1</sup>	Capacity	kW	8.0	9.0	10.0	11.2	14.0		
		kBtu/h	27.3	30.7	34.1	38.2	47.8		
Heating <sup>2</sup>	Capacity	kW	4.8	7.5	7.5	7.5	9.4		
		kBtu/h	30.7	34.1	37.5	42.7	54.6		
Air flow rate <sup>3</sup>	m <sup>3</sup> /h	1203/1131/1064/977/912/840/774		1349/1294/1230/1201/1111/1029/970		1641/1544/1431/1309/1225/1198/1143		1662/1574/1448/1348/1253/1219/1170	
Sound pressure level <sup>4</sup>	dB(A)	36/35/34/31/31/29/28		37/35/34/31/31/30/28		38/36/35/34/31/31/30		39/37/36/35/34/31/31	
Main body	Net dimensions <sup>5</sup> (WxHxD)	mm	904x230x840		840x230x840				
	Packed dimensions (WxHxD)	mm	955x260x955		955x330x955				
	Net/Gross weight	kg	23.2/27.6		28.4/33.8		30.7/35.8		
Panel	Net dimensions (WxHxD)	mm	950x54.5x950						
	Packed dimensions (WxHxD)	mm	1035x90x1035						
Pipe connections	Liquid/Gas pipe	mm	Φ9.53/Φ15.9		Φ9.53/Φ15.9				
	Drain pipe	mm	OD Φ32						

**Notes:**

1. Indoor temperature 27°C DB, 19°C WB; outdoor temperature 35°C DB; equivalent refrigerant piping length 7.5m with zero level difference.
2. Indoor temperature 20°C DB; outdoor temperature 7°C DB, 6°C WB; equivalent refrigerant piping length 7.5m with zero level difference.
3. Each model's 7 airflow rate options are listed in order, from highest to lowest.
4. Each model's 7 sound pressure levels are listed in order from highest to lowest and correspond to the model's 7 airflow rate options (see Note 3). Sound pressure level is measured 1.4m below the unit in a semi-anechoic chamber.
5. Unit body dimensions given are the largest external dimensions of the unit, including hanger attachments.

# Medium Static Pressure Duct

- Fresh air intake
- 6-step static pressure control on 2.2kW to 7.1kW models and 10-step static pressure control on 8kW to 14kW units (requires latest generation wired controllers)
- Drain pump with 750mm pump head fitted as standard
- Flexible installation for the air inlet may be positioned either on the underside or the rear of the unit



Model	42VD007H115003016	42VD009H115003016	42VD012H115003016		
Power supply	1 phase, 220-240V, 50/60Hz				
Cooling <sup>1</sup>	Capacity	kW	2.2	2.8	3.6
		kBtu/h	7.5	9.6	12.3
Heating <sup>2</sup>	Capacity	kW	4.0	4.0	4.5
		kBtu/h	10.9	10.9	13.6
Air flow rate <sup>3</sup>	m <sup>3</sup> /h	520/480/440/400/360/330/300		580/540/500/460/430/400/370	
External static pressure	Pa	10 (0~50)			
Sound pressure level <sup>4</sup>	dB(A)	32/31/29/28/26/25/23		33/32/31/30/28/27/25	
Unit	Net dimensions <sup>5</sup> (WxHxD)	mm	780x210x500		
	Packed dimensions (WxHxD)	mm	870x285x525		
	Net/Gross weight	kg	18/21		
Pipe connections	Liquid/Gas pipe	mm	Φ6.35/ Φ12.7		
	Drain pipe	mm	OD Φ25		

Model	42VD016H115003016	42VD020H115003016	42VD024H115003016		
Power supply	1 phase, 220-240V, 50/60Hz				
Cooling <sup>1</sup>	Capacity	kW	4.5	5.6	7.1
		kBtu/h	15.4	19.1	24.2
Heating <sup>2</sup>	Capacity	kW	9.2	9.2	9.8
		kBtu/h	17.1	21.5	27.3
Air flow rate <sup>3</sup>	m <sup>3</sup> /h	800/740/680/620/540/480/400	830/760/720/680/640/600/560	1000/960/900/840/780/720/680	
External static pressure	Pa	10 (0~50)			
Sound pressure level <sup>4</sup>	dB(A)	36/34/32/31/29/27/25	36/34/33/32/30/29/28	37/35/33/32/30/29/28	
Unit	Net dimensions <sup>5</sup> (WxHxD)	mm	1000x210x500		
	Packed dimensions (WxHxD)	mm	1115x285x525		
	Net/Gross weight	kg	21.5/25		
Pipe connections	Liquid/Gas pipe	mm	Φ6.35/ Φ12.7	Φ9.53/Φ15.9	
	Drain pipe	mm	OD Φ25		

Model	42VD028H115003016	42VD030H115003016	42VD036H115003016	42VD048H115003016			
Power supply	1 phase, 220-240V, 50/60Hz						
Cooling <sup>1</sup>	Capacity	kW	8.0	9.0	11.2	14.0	
		kBtu/h	27.3	30.7	38.2	47.8	
Heating <sup>2</sup>	Capacity	kW	110	120	200	250	
		kBtu/h	30.7	34.1	42.7	52.9	
Air flow rate <sup>3</sup>	m <sup>3</sup> /h	1260/1180/1100/1020/940/860/780	1500/1430/1360/1290/1210/1140/1080	1960/1860/1760/1660/1560/1460/1360			
External static pressure	Pa	20 (10~100)					
Sound pressure level <sup>4</sup>	dB(A)	37/35/34/33/31/29/28		39/38/38/37/35/34/33		41/39/38/37/36/35/33	
Unit	Net dimensions <sup>5</sup> (WxHxD)	mm	1230x270x775				
	Packed dimensions (WxHxD)	mm	1355x350x795				
	Net/Gross weight	kg	36.5/44.5		37/45		
Pipe connections	Liquid/Gas pipe	mm	Φ9.53/Φ15.9				
	Drain pipe	mm	OD Φ25				

**Notes:**

1. Indoor temperature 27°C DB, 19°C WB; outdoor temperature 35°C DB; equivalent refrigerant piping length 7.5m with zero level difference.
2. Indoor temperature 20°C DB; outdoor temperature 7°C DB, 6°C WB; equivalent refrigerant piping length 7.5m with zero level difference.
3. Each model's 7 airflow rate options are listed in order, from highest to lowest.
4. Each model's 7 sound pressure levels are listed in order from highest to lowest and correspond to the model's 7 airflow rate options (see Note 3). Sound pressure level is measured 1.4m below the unit in a semi-anechoic chamber.
5. Unit body dimensions given are the largest external dimensions of the unit, including hanger attachments. All specifications are measured at standard external static pressure.