



2nd Generation VRF DC INDOOR UNITS

Wide Application Range

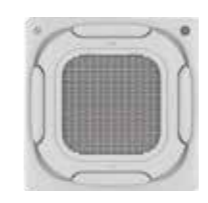
Wide Range of Indoor Units

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)



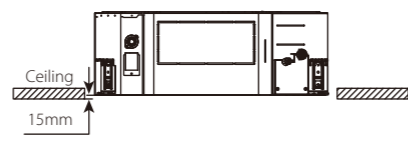
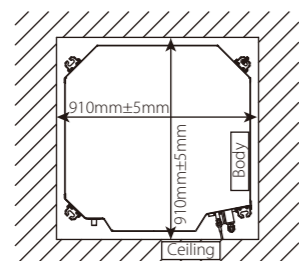
F5 (underside air intake)

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 ¹	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 ²	Capacity	kW	2.5	2.5	3.1	3.1	4.6
		kBtu/h	10.9	13.6	17.1	21.5	27.3
Air flow rate ³	m ³ /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 ⁴	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 ⁵ (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 ¹	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 ²	Capacity	kW	9.0	10.0	11.0	12.5	16.0		
		kBtu/h	30.7	34.1	37.5	42.7	54.6		
Air flow rate ³	m ³ /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 ⁴	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 ⁵ (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).
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 ¹	Capacity	kW	2.2	2.8	3.6
		kBtu/h	7.5	9.6	12.3
Heating ²	Capacity	kW	2.6	3.2	4.0
		kBtu/h	8.2	10.9	13.6
Air flow rate ³	m ³ /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 ⁴	dB(A)	32/31/29/28/26/25/23		33/32/31/30/28/27/25	
Unit	Net dimensions ⁵ (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 ¹	Capacity	kW	4.5	5.6	7.1
		kBtu/h	15.4	19.1	24.2
Heating ²	Capacity	kW	5.0	6.3	8.0
		kBtu/h	17.1	21.5	27.3
Air flow rate ³	m ³ /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 ⁴	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 ⁵ (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 ¹	Capacity	kW	8.0	9.0	11.2	14.0
		kBtu/h	27.3	30.7	38.2	47.8
Heating ²	Capacity	kW	9.0	10.0	12.5	15.5
		kBtu/h	30.7	34.1	42.7	52.9
Air flow rate ³	m ³ /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 ⁴	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 ⁵ (WxHxD)	mm	1230x270x775			
	Packed dimensions (WxHxD)	mm	1355x350x795			
	Net/Gross weight	kg	36.5/44.5		37/45	46.5/55.5
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).
 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.