



Variable Refrigerant Flow System



CARRIER VRF SYSTEM-INDOOR UNIT



Indoor Units >>

VX/VXi/VC PRO series VRF

One-way Cassette

Two-way Cassette

Four-way Cassette

Low/Medium Static Pressure Duct

Medium Static Pressure Duct

High Static Pressure Duct

Fresh Air Processing Unit

Wall-mounted

Ceiling & Floor

Floor Standing

Console

Cassette Units



One-way Cassette



Two-way Cassette



Compact Four-way Cassette



Four-way Cassette



- Auto Restart Function
- Auto Addressing
- Fresh Air
- Auto Defrosting
- Easy-cleaning Panel
- Follow* Me
- Anti-cold Air Function
- Built-in Drain Pump
- LED Display
- Built-in Filter
- Independent Dehumidification
- Timer
- Auto Swing
- Wired* Controller

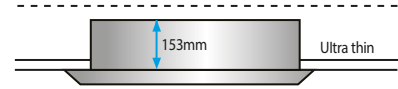
*Optional

One-way Cassette



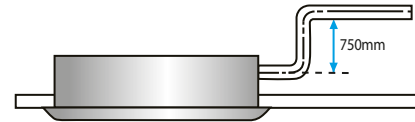
Only 153mm high >>

The slim, compact design make the One-way Cassette ideal for interiors with limited ceiling space. Capacities 1.8 to 3.6kw are just 153mm high whilst capacities 4.5 to 7.1kw are 189mm high.



High-lift Drain Pump >>

A drain pump with a 750mm pump head is fitted as standard.



Fresh Air Intake >>

A reserved outside air intake port allows outdoor air to be introduced directly into the unit, negating the need for a separate ventilation system.



Specifications

Model			40VZ005H11200011	40VZ006H11200011	40VZ009H11200011	40VZ012H11200011	40VZ018H11200011	40VZ024H11200011	40VZ028H11200011
Power supply			1-phase,220-240V,50Hz						
Capacity	Cooling	kW	1.8	2.2	2.8	3.6	4.5	5.6	7.1
	Heating	kW	2.2	2.6	3.2	4.0	5.0	6.3	8.0
Power input	Cooling	W	41	41	41	41	48	48	60
	Heating	W	41	41	41	41	43	44	55
Airflow rate(H/M/L)		m ³ /s(CFM)	0.15/0.11/0.08 (308/238/162)	0.15/0.11/0.08 (308/238/162)	0.16/0.13/0.09 (337/268/185)	0.16/0.13/0.09 (337/268/185)	0.19/0.17/0.13 (408/353/280)	0.22/0.19/0.15 (466/405/323)	0.26/0.21/0.16 (549/441/348)
Sound pressure level(H/M/L)		dB(A)	37/34/30	38/34/30	39/37/34	40/38/34	41/39/35	42/40/36	44/41/37
Main body	Net dim.(WxHxD)	cm (m)	105.4 x 15.3 x 42.5 (1.05 x 1.53 x 4.25)	105.4 x 15.3 x 42.5 (1.05 x 1.53 x 4.25)	105.4 x 15.3 x 42.5 (1.05 x 1.53 x 4.25)	105.4 x 15.3 x 42.5 (1.05 x 1.53 x 4.25)	127.5 x 18.9 x 45.0 (1.28 x 0.19 x 0.45)	127.5 x 18.9 x 45.0 (1.28 x 0.19 x 0.45)	127.5 x 18.9 x 45.0 (1.28 x 0.19 x 0.45)
	Packing dim.(WxHxD)	cm (m)	115.5 x 24.5 x 49.0 (1.16 x 2.45 x 4.90)	115.5 x 24.5 x 49.0 (1.16 x 2.45 x 4.90)	115.5 x 24.5 x 49.0 (1.16 x 2.45 x 4.90)	115.5 x 24.5 x 49.0 (1.16 x 2.45 x 4.90)	137 x 29.5 x 50.5 (1.37 x 2.95 x 5.1)	137 x 29.5 x 50.5 (1.37 x 2.95 x 5.1)	137 x 29.5 x 50.5 (1.37 x 2.95 x 5.1)
	Net/gross weight	kg	12.5/16	12.5/16	13/16.5	13/16.5	18.5/22.8	18.8/23.1	19.5/23.8
Panel	Net dim.(WxHxD)	cm (m)	118 x 2.5 x 46.5 (1.18 x 0.03 x 4.65)	118 x 2.5 x 46.5 (1.18 x 0.03 x 4.65)	118 x 2.5 x 46.5 (1.18 x 0.03 x 4.65)	118 x 2.5 x 46.5 (1.18 x 0.03 x 4.65)	135 x 2.5 x 50.5 (1.28 x 0.03 x 0.51)	135 x 2.5 x 50.5 (1.28 x 0.03 x 0.51)	135 x 2.5 x 50.5 (1.28 x 0.03 x 0.51)
	Packing dim.(WxHxD)	cm (m)	123.2 x 10.7 x 51.7 (1.123 x 0.11 x 0.52)	123.2 x 10.7 x 51.7 (1.123 x 0.11 x 0.52)	123.2 x 10.7 x 51.7 (1.123 x 0.11 x 0.52)	123.2 x 10.7 x 51.7 (1.123 x 0.11 x 0.52)	141 x 9.5 x 56.0 (1.41 x 0.095 x 0.56)	141 x 9.5 x 56.0 (1.41 x 0.095 x 0.56)	141 x 9.5 x 56.0 (1.41 x 0.095 x 0.56)
	Net/gross weight	kg	3.5/5.2	3.5/5.2	3.5/5.2	3.5/5.2	4/5.4	4/5.4	4/5.4
Piping connections	Liquid/gas pipe	cm	Ø 0.64 / Ø 1.27	Ø 0.64 / Ø 1.27	Ø 0.64 / Ø 1.27	Ø 0.64 / Ø 1.27	Ø 0.64 / Ø 1.27	Ø 0.95 / Ø 1.59	Ø 0.95 / Ø 1.59
	Drain pipe	cm	Ø 2.5	Ø 2.5	Ø 2.5	Ø 2.5	Ø 2.5	Ø 2.5	Ø 2.5
Standard controller			Wireless remote controller						

Notes:

1. Nominal capacities are based on the following conditions:

- Cooling: indoor temperature 27°C (80.6°F) DB, 19°C (66.2°F) WB; outdoor temperature 35°C (95.0°F) DB; equivalent refrigerant piping length 7.5m (24.6ft) with zero level difference.
- Heating: indoor temperature 20°C (68.0°F) DB; outdoor temperature 7°C (44.6°F) DB, 6°C (42.8°F) WB; equivalent refrigerant piping length 7.5m (24.6ft) with zero level difference.

2. Sound pressure level is measured 1.4m (4.59ft) below the unit in a semi-anechoic chamber.

Two-way Cassette

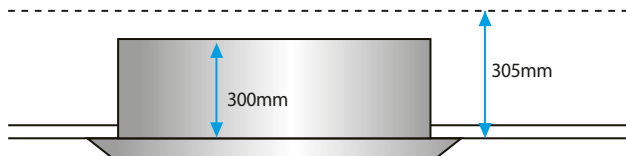


Low Sound Level >>

The Two-way Cassette's optimized, low resistance air outlets reduce noise levels to as low as 24dB(A).

Stylish Design and Slim Body >>

A stylish design and slim body make the Two-way Cassette suited to any room's decor and ambience. At only 300mm high, it can be installed in most ceiling spaces.



High-lift Drain Pump >>

A drain pump with a 750mm pump head is fitted as standard, simplifying installation of the drain piping. Higher pump heads are available as a customization option.

High Airflow >>

A high airflow rate ensures even airflow and temperature throughout the room, even in high ceiling installations.



Specifications

Model			40VT006H10200010	40VT009H10200010	40VT012H10200010	40VT018H10200010	40VT024H10200010	40VT028H10200010
Power supply			1-phase,220-240V,50Hz					
Capacity	Cooling	kW	2.2	2.8	3.6	4.5	5.6	7.1
	Heating	kW	2.6	3.2	4.0	5.0	6.3	8.0
Power input	Cooling	W	57	57	60	92	108	154
	Heating	W	57	57	60	92	108	154
Airflow rate(H/M/L)		m ³ /s (CFM)	0.18/0.15/0.11 (385/312/241)	0.18/0.15/0.11 (385/312/241)	0.2/0.16/0.13 (427/348/270)	0.24/0.19/0.15 (500/394/324)	0.27/0.22/0.19 (577/470/394)	0.33/0.28/0.21 (706/589/453)
Sound pressure level(H/M/L)		dB(A)	33/29/24	36/32/29	36/32/29	39/35/30	39/35/30	44/40/34
Main body	Net dim.(WxHxD)	cm (m)	117.2 x 29.9 x 59.1 (1.17 x 0.3 x 0.59)	117.2 x 29.9 x 59.1 (1.17 x 0.3 x 0.59)	117.2 x 29.9 x 59.1 (1.17 x 0.3 x 0.59)	117.2 x 29.9 x 59.1 (1.17 x 0.3 x 0.59)	117.2 x 29.9 x 59.1 (1.17 x 0.3 x 0.59)	117.2 x 29.9 x 59.1 (1.17 x 0.3 x 0.59)
	Packing dim.(WxHxD)	cm (m)	135.5 x 40.0 x 67.5 (1.36 x 0.40 x 0.68)	135.5 x 40.0 x 67.5 (1.36 x 0.40 x 0.68)	135.5 x 40.0 x 67.5 (1.36 x 0.40 x 0.68)	135.5 x 40.0 x 67.5 (1.36 x 0.40 x 0.68)	135.5 x 40.0 x 67.5 (1.36 x 0.40 x 0.68)	135.5 x 40.0 x 67.5 (1.36 x 0.40 x 0.68)
	Net/gross weight	kg	34/42.5	34/42.5	34/42.5	36/44.5	36/44.5	36/44.5
Panel	Net dim.(WxHxD)	cm (m)	143 x 5.3 x 68 (1.43 x 0.05 x 0.68)	143 x 5.3 x 68 (1.43 x 0.05 x 0.68)	143 x 5.3 x 68 (1.43 x 0.05 x 0.68)	143 x 5.3 x 68 (1.43 x 0.05 x 0.68)	143 x 5.3 x 68 (1.43 x 0.05 x 0.68)	143 x 5.3 x 68 (1.43 x 0.05 x 0.68)
	Packing dim.(WxHxD)	cm (m)	152.5 x 13.0 x 76.5 (1.53 x 0.13 x 0.77)	152.5 x 13.0 x 76.5 (1.53 x 0.13 x 0.77)	152.5 x 13.0 x 76.5 (1.53 x 0.13 x 0.77)	152.5 x 13.0 x 76.5 (1.53 x 0.13 x 0.77)	152.5 x 13.0 x 76.5 (1.53 x 0.13 x 0.77)	152.5 x 13.0 x 76.5 (1.53 x 0.13 x 0.77)
	Net/gross weight	kg	10.5/15	10.5/15	10.5/15	10.5/15	10.5/15	10.5/15
Piping connections	Liquid/gas pipe	cm	Ø 0.64 / Ø 1.27	Ø 0.64 / Ø 1.27	Ø 0.64 / Ø 1.27	Ø 0.64 / Ø 1.27	Ø 0.95 / Ø 1.59	Ø 0.95 / Ø 1.59
	Drain pipe	cm	Ø 3.2	Ø 3.2	Ø 3.2	Ø 3.2	Ø 3.2	Ø 3.2
Standard controller			Wireless remote controller					

Notes:

1. Nominal capacities are based on the following conditions:

- Cooling: indoor temperature 27°C (80.6°F) DB, 19°C (66.2°F) WB; outdoor temperature 35°C (95.0°F) DB; equivalent refrigerant piping length 7.5m (24.6ft.) with zero level difference.
- Heating: indoor temperature 20°C (68.0°F) DB; outdoor temperature 7°C (44.6°F) DB, 6°C (42.8°F) WB; equivalent refrigerant piping length 7.5m (24.6ft.) with zero level difference.

2. Sound pressure level is measured 1.4m (4.59ft) below the unit in a semi-anechoic chamber.

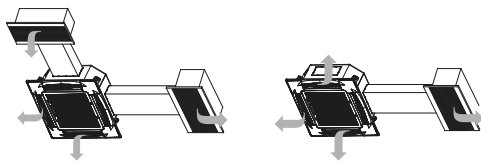
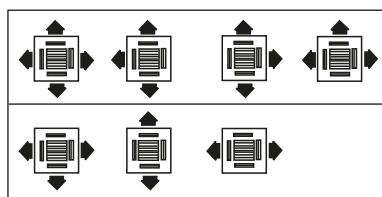
Four-way Cassette

Multiple Options >>

Three different versions of Four-way Cassette can be selected based on ceiling arrangements and user preference: Compact Four-way Cassette, Four-way Cassette and Silent Four-way Cassette

Multiple Airflow Patterns >>

Seven airflow patterns with up to four flow directions can be selected to suit the requirements of the installation site or the shape of the room. Sub-ducts may also be connected.

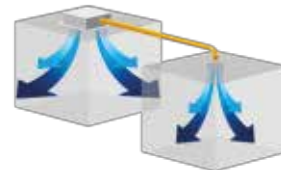


* Optional: four-way cassette and silent four-way cassette.



Sub Duct >>

Connecting a sub-duct enables an indoor unit to be used to also cool a smaller nearby space.



360° Airflow >>

The Compact Four-way Cassette's 360° air outlets provide strong airflow circulation to cool or heat every corner of a room and evenly control temperature.



* Optional

High-lift Drain Pump >>

A drain pump with a 500mm pump head is fitted as standard to the Compact Four-way Cassette. Higher pump heads (of up to 600mm) are available as a customization option. On the Four-way Cassette and Silent Four-way Cassette a drain pump with a 750mm pump head is fitted as standard, simplifying installation of the drain piping.

Specifications

Compact Four-way Cassette

Model			40VX006H11200010	40VX009H11200010	40VX012H11200010	40VX018H11200010
Power supply			1-phase, 220-240V, 50Hz			
Capacity	Cooling	kW	2.2	2.8	3.6	4.5
	Heating	kW	2.4	3.2	4.0	5.0
Power input	Cooling	W	50	50	56	56
	Heating	W	50	50	56	56
Airflow rate(H/M/L)		m ³ /s(CFM)	0.12/0.09/0.07 (244/184/140)	0.12/0.09/0.07 (244/184/140)	0.14/0.11/0.09 (307/240/185)	0.14/0.11/0.09 (307/240/185)
Sound pressure level(H/M/L)		dB(A)	35.8/33.4/23.4	35.8/33.4/23.4	41.5/35.6/28.8	41.5/35.6/28.8
Main body	Net dim.(WxHxD)	cm (m)	57 x 26 x 57 (0.57 x 0.26 x 0.57)	57 x 26 x 57 (0.57 x 0.26 x 0.57)	57 x 26 x 57 (0.57 x 0.26 x 0.57)	57 x 26 x 57 (0.57 x 0.26 x 0.57)
	Packing dim.(WxHxD)	cm (m)	67.5 x 28.5 x 67.5 (0.68 x 0.29 x 0.68)	67.5 x 28.5 x 67.5 (0.68 x 0.29 x 0.68)	67.5 x 28.5 x 67.5 (0.68 x 0.29 x 0.68)	67.5 x 28.5 x 67.5 (0.68 x 0.29 x 0.68)
	Net/gross weight	kg	16/20	16/20	18/22	18/22
Panel	Net dim.(WxHxD)	cm (m)	64.7 x 5 x 64.7 (0.65x 0.05x 0.65)	64.7 x 5 x 64.7 (0.65x 0.05x 0.65)	64.7 x 5 x 64.7 (0.65x 0.05x 0.65)	64.7 x 5 x 64.7 (0.65x 0.05x 0.65)
	Packing dim.(WxHxD)	cm (m)	71.5 x 12.3 x 71.5 (0.72x 0.12 x 0.72)	71.5 x 12.3 x 71.5 (0.72x 0.12 x 0.72)	71.5 x 12.3 x 71.5 (0.72x 0.12 x 0.72)	71.5 x 12.3 x 71.5 (0.72x 0.12 x 0.72)
	Net/gross weight	kg	2.5/4.5	2.5/4.5	2.5/4.5	2.5/4.5
Piping connections	Liquid/gas pipe	cm	Ø 0.64 / Ø 1.27	Ø 0.64 / Ø 1.27	Ø 0.64 / Ø 1.27	Ø 0.64 / Ø 1.27
	Drain pipe	cm	Ø 2.5	Ø 2.5	Ø 2.5	Ø 2.5
Standard controller			Wireless remote controller			

Standard Four-way Cassette

Model			40VK009H1 1200011	40VK012H1 1200011	40VK018H1 1200011	40VK024H1 1200011	40VK028H1 1200011
Power supply			1-phase,220-240V,50Hz				
Capacity	Cooling	kW	2.8	3.6	4.5	5.6	7.1
	Heating	kW	3.2	4.0	5.0	6.3	8.0
Power input	Cooling	W	80	80	88	88	88
	Heating	W	80	80	88	88	88
Airflow rate(H/M/L)		m ³ /s(CFM)	0.21/0.18/0.15 (450/376/326)	0.21/0.18/0.15 (450/376/326)	0.25/0.21/0.18 (533/436/383)	0.25/0.21/0.18 (533/436/383)	0.26/0.21/0.18 (559/451/390)
Sound pressure level(H/M/L)		dB(A)	32/31/30	32/31/30	36/34/33	36/34/33	38/36/35
Main body	Net dim.(WxHxD)	cm (m)	84 x 23 x 84 (0.84 x 0.23 x 0.84)	84 x 23 x 84 (0.84 x 0.23 x 0.84)	84 x 23 x 84 (0.84 x 0.23 x 0.84)	84 x 23 x 84 (0.84 x 0.23 x 0.84)	84 x 23 x 84 (0.84 x 0.23 x 0.84)
	Packing dim.(WxHxD)	cm (m)	95.5 x 26.0 x 95.5 (0.96 x 0.26 x 0.96)	95.5 x 26.0 x 95.5 (0.96 x 0.26 x 0.96)	95.5 x 26.0 x 95.5 (0.96 x 0.26 x 0.96)	95.5 x 26.0 x 95.5 (0.96 x 0.26 x 0.96)	95.5 x 26.0 x 95.5 (0.96 x 0.26 x 0.96)
	Net/gross weight	kg	21.5/26.7	21.5/26.7	23.7/28.9	23.7/28.9	23.7/28.9
Panel	Net dim.(WxHxD)	cm (m)	95 x 5.45 x 95 (0.95 x 0.06x 0.95)	95 x 5.45 x 95 (0.95 x 0.06x 0.95)	95 x 5.45 x 95 (0.95 x 0.06x 0.95)	95 x 5.45 x 95 (0.95 x 0.06x 0.95)	95 x 5.45 x 95 (0.95 x 0.06x 0.95)
	Packing dim.(WxHxD)	cm (m)	103.5 x 9.0 x 103.5 (1.04 x 0.09 x 1.04)	103.5 x 9.0 x 103.5 (1.04 x 0.09 x 1.04)	103.5 x 9.0 x 103.5 (1.04 x 0.09 x 1.04)	103.5 x 9.0 x 103.5 (1.04 x 0.09 x 1.04)	103.5 x 9.0 x 103.5 (1.04 x 0.09 x 1.04)
	Net/gross weight	kg	6/9	6/9	6/9	6/9	6/9
Piping connections	Liquid/gas pipe	cm	Ø 0.64 / Ø 1.27	Ø 0.64 / Ø 1.27	Ø 0.64 / Ø 1.27	Ø 0.95/Ø1.59	Ø 0.95/Ø1.59
	Drain pipe	cm	Ø 3.2	Ø 3.2	Ø 3.2	Ø 3.2	Ø 3.2
Standard controller			Wireless remote controller				



Model			40VK032H1 1200011	40VK036H1 1200011	40VK040H1 1200011	40VK048H1 1200011	40VK056H1 1200011
Power supply			1-phase,220-240V,50Hz				
Capacity	Cooling	kW	8.0	9.0	10.0	11.2	14.0
	Heating	kW	9.0	10.0	11.1	12.5	16.0
Power input	Cooling	W	110	140	165	165	176
	Heating	W	110	140	165	165	176
Airflow rate(H/M/L)		m ³ /s(CFM)	0.33/0.28/0.22 (706/600/464)	0.37/0.31/0.25 (784/665/534)	0.46/0.36/0.31 (972/768/663)	0.46/0.36/0.31 (972/768/663)	0.46/0.37/0.31 (979/786/665)
Sound pressure level(H/M/L)		dB(A)	42/39/37	43/39/38	45/42/40	45/42/40	46/41/39
Main body	Net dim.(WxHxD)	cm (m)	84 x 23 x 84 (0.84 x 0.23 x 0.84)	84 x 30 x 84 (0.84 x 0.30 x 0.84)	84 x 30 x 84 (0.84 x 0.30 x 0.84)	84 x 30 x 84 (0.84 x 0.30 x 0.84)	84 x 30 x 84 (0.84 x 0.30 x 0.84)
	Packing dim.(WxHxD)	cm (m)	95.5 x 26.0 x 95.5 (0.96 x 0.26 x 0.96)	95.5 x 33.0 x 95.5 (0.96 x 0.33 x 0.96)	95.5 x 33.0 x 95.5 (0.96 x 0.33 x 0.96)	95.5 x 33.0 x 95.5 (0.96 x 0.33 x 0.96)	95.5 x 33.0 x 95.5 (0.96 x 0.33 x 0.96)
	Net/gross weight	kg	23.7/28.9	28.7/34.1	28.7/34.1	28.7/34.1	30.9/36.3
Panel	Net dim.(WxHxD)	cm (m)	95 x 5.45 x 95 (0.95x 0.06x 0.95)	95 x 5.45 x 95 (0.95x 0.06x 0.95)	95 x 5.45 x 95 (0.95x 0.06x 0.95)	95 x 5.45 x 95 (0.95x 0.06x 0.95)	95 x 5.45 x 95 (0.95x 0.06x 0.95)
	Packing dim.(WxHxD)	cm (m)	103.5 x 9.0 x 103.5 (1.04x 0.09 x 1.04)	103.5 x 9.0 x 103.5 (1.04x 0.09 x 1.04)	103.5 x 9.0 x 103.5 (1.04x 0.09 x 1.04)	103.5 x 9.0 x 103.5 (1.04x 0.09 x 1.04)	103.5 x 9.0 x 103.5 (1.04x 0.09 x 1.04)
	Net/gross weight	kg	6/9	6/9	6/9	6/9	6/9
Piping connections	Liquid/gas pipe	cm	Ø 0.95 / Ø 1.59	Ø 0.95 / Ø 1.59	Ø 0.95 / Ø 1.59	Ø 0.95 / Ø 1.59	Ø 0.95 / Ø 1.59
	Drain pipe	cm	Ø 3.2	Ø 3.2	Ø 3.2	Ø 3.2	Ø 3.2
Standard controller			Wireless remote controller				

Notes:

1. Nominal capacities are based on the following conditions:

- Cooling: indoor temperature 27°C (80.6°F) DB, 19°C (66.2°F) WB; outdoor temperature 35°C (95.0°F) DB; equivalent refrigerant piping length 7.5m (24.6ft.) with zero level difference.
- Heating: indoor temperature 20°C (68.0°F) DB; outdoor temperature 7°C (44.6°F) DB, 6°C (42.8°F) WB; equivalent refrigerant piping length 7.5m (24.6ft.) with zero level difference.

2. Sound pressure level is measured 1.4m (4.59ft) below the unit in a semi-anechoic chamber.

Duct Units



Medium Static Pressure Duct



High Static Pressure Duct

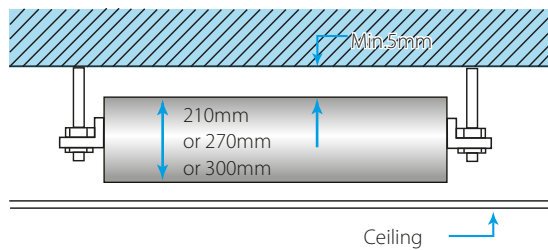
Fresh Air Processing Unit

Medium Static Pressure Duct (2.2 - 14kW)



Compact Design >>

Capacities 2.2 to 7.1kW are just 210mm high whilst Capacities 8 to 11.2kW are 270mm high and model 14kw is 300mm high.



High-lift Drain Pump >>

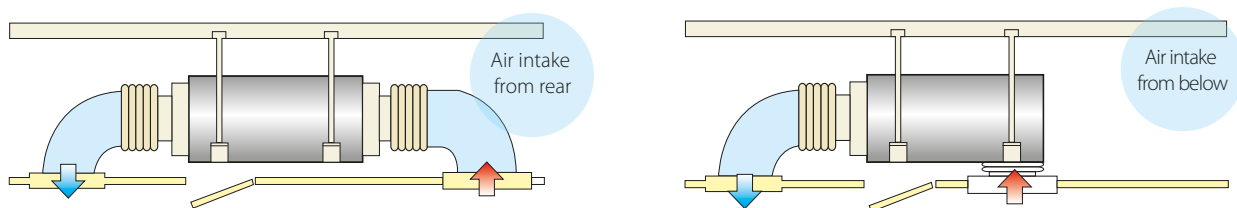
A drain pump with a 750mm pump head is fitted as standard, simplifying installation of the drain piping.




Easy Maintenance Access, Flexible Control >>

As a customization option, for ease of access the electric control box can be separated from the unit by up to 1m. Functional ports including remote on/off dry contact and 220V alarm signal output are included as standard, providing control flexibility.

Flexibility >>

To provide the flexibility to adapt to differing installation situations, the air inlet may be positioned either on the underside or the rear of the unit.



- 
Auto Restart Function
- 
Auto Addressing
- 
Fresh Air
- 
Auto Defrosting
- 
Built-in Filter
- 
Follow Me
- 
Anti-cold Air Function
- 
Built-in Drain Pump
- 
Timer
- 
Independent Dehumidification
- 
Wired Controller
- 
Super High Air Flow

Specifications

Model			42VD006H11201301A	42VD009H11201301A	42VD012H11201301A	42VD018H11201301A	42VD024H11201301A
Power supply			1-phase,220-240V,50Hz				
Capacity	Cooling	kW	2.2	2.8	3.6	4.5	5.6
	Heating	kW	2.6	3.2	4.0	5.0	6.3
Power input	Cooling	W	57	57	61	98	103
	Heating	W	57	57	61	98	103
Airflow rate(H/M/L)		(CFM)	324/234/182	324/234/182	356/260/206	471/337/282	471/337/282
External static pressure(Min/Std/Max)		Pa	0/10/30	0/10/30	0/10/30	0/10/30	0/10/30
Sound pressure level(H/M/L)		dB(A)	34/24/21	31/34/21	35/28/24	36/29/26	36/29/27
Net dimension(WxHxD)		cm (m)	78 x 21 x 50 (0.78 x 0.21 x 0.50)	78 x 21 x 50 (0.78 x 0.21 x 0.50)	78 x 21 x 50 (0.78 x 0.21 x 0.50)	100 x 21 x 50 (1.00 x 0.21 x 0.50)	100 x 21 x 50 (1.00 x 0.21 x 0.50)
Packing dimension(WxHxD)		cm (m)	87 x 28.5 x 52.5 (0.87 x 0.29 x 0.53)	87 x 28.5 x 52.5 (0.87 x 0.29 x 0.53)	87 x 28.5 x 52.5 (0.87 x 0.29 x 0.53)	111.5 x 28.5 x 52.5 (1.12 x 0.29 x 0.53)	111.5 x 28.5 x 52.5 (1.12 x 0.29 x 0.53)
Net/gross weight		kg	18.5/22.5	18.5/22.5	18.5/22.5	22.9/26.8	22.9/26.8
Piping connections	Liquid/gas pipe	cm	Ø 0.64 / Ø 1.27	Ø 0.64 / Ø 1.27	Ø 0.64 / Ø 1.27	Ø 0.64 / Ø 1.27	Ø 0.95 / Ø 1.59
	Drain pipe	cm	Ø 2.5	Ø 2.5	Ø 2.5	Ø 2.5	Ø 2.5
Standard controller			Wireless remote controller				



Model			42VD028H11201301A	42VD032H112003010	42VD036H112003010	42VD048H112003010	42VD054H112003010
Power supply			1-phase,220-240V,50Hz				
Capacity	Cooling	kW	7.1	8.0	9.0	11.2	14.0
	Heating	kW	8.0	9.0	10.0	12.5	15.5
Power input	Cooling	W	140	198	200	313	274
	Heating	W	140	198	200	313	274
Airflow rate(H/M/L)		(CFM)	580/434/371	0.37/0.32/0.28 (791/685/596)	0.37/0.32/0.28 (791/685/596)	0.5/0.43/0.39 (1059/915/824)	0.53/0.45/0.39 (1121/962/824)
External static pressure(Min/Std/Max)		Pa	0/10/30	10/20/50	10/20/50	10/40/80	10/40/100
Sound pressure level(H/M/L)		dB(A)	30/30/27	45.4/39.8/37	45.4/39.8/37	48.0/41.9/38	47.7/43.2/39.0
Net dimension(WxHxD)		cm(m)	122x21x50 (1.22x0.21x0.5)	123x27x77.5 (1.23x0.27x0.78)	123x27x77.5 (1.23x0.27x0.78)	123x27x77.5 (1.23x0.27x0.78)	129x30x86.5 (1.29x0.3x0.87)
Packing dimension(WxHxD)		cm(m)	133.5x28.5x52.5 (1.34x0.29x0.53)	135.5x35x79.5 (1.36x0.35x0.8)	135.5x35x79.5 (1.36x0.35x0.8)	135.5x35x79.5 (1.36x0.35x0.8)	140x37.5x92.5 (1.4x0.38x0.93)
Net/gross weight		kg	28/33	38/46.5	40/48	40/48	49/58
Piping connections	Liquid/gas pipe	cm	Ø 0.95 / Ø 1.59	Ø 0.95 / Ø 1.59	Ø 0.95 / Ø 1.59	Ø 0.95 / Ø 1.59	Ø 0.95 / Ø 1.59
	Drain pipe	cm	Ø 2.5	Ø 2.5	Ø 2.5	Ø 2.5	Ø 2.5
Standard controller			Wireless remote controller				

Notes:

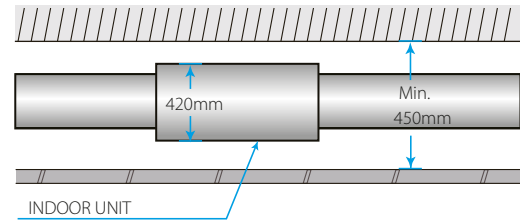
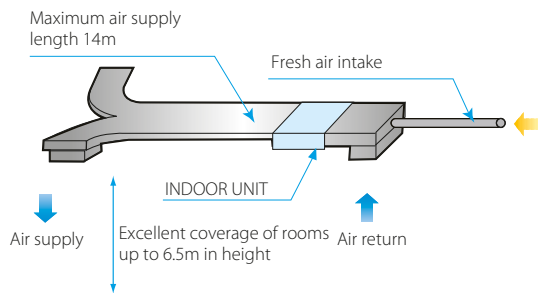
- Nominal capacities are based on the following conditions:
 - Cooling: indoor temperature 27°C (80.6°F) DB, 19°C (66.2°F) WB; outdoor temperature 35°C (95.0°F) DB; equivalent refrigerant piping length 7.5m (24.6ft.) with zero level difference.
 - Heating: indoor temperature 20°C (68.0°F) DB; outdoor temperature 7°C (44.6°F) DB, 6°C (42.8°F) WB; equivalent refrigerant piping length 7.5m (24.6ft.) with zero level difference.
- Sound pressure level is measured 1.4m (4.59ft) below the unit in a semi-anechoic chamber.
- External static pressure is based on high speed indoor airflow.

High Static Pressure Duct



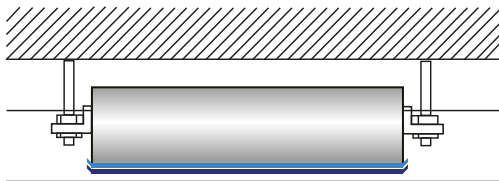
Flexible Duct Design >>

The High Static Pressure Duct indoor unit offers external static pressures of up to 196Pa (Capacities 7.1 to 16kW) or 280Pa (Capacities 20 to 56kW), allowing air supply duct lengths of up to 14m at a height of 6.5m. With a height of just 420mm (Capacities 7.1 to 16kW), only 450mm of ceiling space is required.



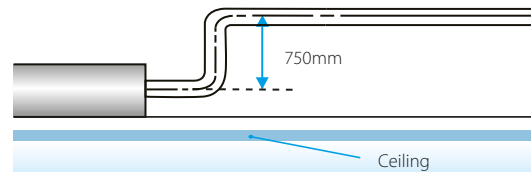
Double-skin Drainage Pan >>

A double-skin drainage pan provides double protection for ceilings (Capacities 7.1 to 16kW and 40 to 56kW).



Drain Pump >>

A drain pump with a 750mm pump head is available as a customization option.



Easy Installation >>

Flanges for air inlet/outlet ducts are fitted as standard on the High Static Pressure Duct. On Capacities 7 to 16kW, the expansion valve is fitted inside the unit, requiring no extra connection.

Easy Maintenance Access, Flexible Control >>

The wireless remote controller is provided as standard and the wired remote controller is available as a customization option. Functional ports including remote on/off dry contact are included as standard, providing additional control flexibility. For ease of installation, the electric control box's display board is factory-fitted and the filter can be accessed either from the rear of from below.

- 
Auto Restart Function
- 
Auto Addressing
- 
Independent Dehumidification
- 
Auto Defrosting
- 
Built-in Filter
- 
Follow Me
- 
Anti-cold Air Function
- 
Wired Controller
- 
Timer
- 
Drain Pump

*Filter is standard for 7.1 to 28kw models.

Specifications

Model			42VD028H112011010	42VD032H112011010	42VD036H112011010	42VD048H112011010	42VD054H112011010	42VD055H112011010
Power supply			1-phase,220-240V,50Hz					
Capacity	Cooling	kW	7.1	8.0	9.0	11.2	14.0	16.0
	Heating	kW	8.0	9.0	10.0	12.5	16.0	17.0
Power input	Cooling	W	263	263	423	524	724	940
	Heating	W	263	263	423	524	724	940
Airflow rate(H/M/L)		m ³ /s(CFM)	0.40/0.38/0.34 (849/801/717)	0.39/0.37/0.34 (833/788/718)	0.54/0.48/0.42 (1148/1025/893)	0.59/0.54/0.42 (1245/1139/895)	0.83/0.73/0.62 (1766/1540/1310)	1.01/0.85/0.76 (2130/1792/1615)
External static pressure(Min/Std/Max)		Pa	25/25/196	37/37/196	37/37/196	50/50/196	50/50/196	50/50/196
Sound pressure level(H/M/L)		dB(A)	48/46/44	48/46/44.5	52/49/47	52/49/47	53/50/48	54/52/50
Net dimension(WxHxD)		cm	95.2 x 42 x 69 (0.95 x 0.42 x 0.69)	95.2 x 42 x 69 (0.95 x 0.42 x 0.69)	95.2 x 42 x 69 (0.95 x 0.42 x 0.69)	95.2 x 42 x 69 (0.95 x 0.42 x 0.69)	130 x 42 x 69 (1.30 x 0.42 x 0.69)	130 x 42 x 69 (1.30 x 0.42 x 0.69)
Packing dimension(WxHxD)		cm	109 x 44 x 76.8 (1.09 x 0.44 x 0.77)	109 x 44 x 76.8 (1.09 x 0.44 x 0.77)	109 x 44 x 76.8 (1.09 x 0.44 x 0.77)	109 x 44 x 76.8 (1.09 x 0.44 x 0.77)	143.6 x 45 x 76.8 (1.44 x 0.45 x 0.77)	143.6 x 45 x 76.8 (1.44 x 0.45 x 0.77)
Net/gross weight		kg	45/50	45/50	46.5/52.4	50.6/56	68/70	70/77.5
Piping connections	Liquid/gas pipe	cm	Ø 0.95 / Ø 1.59	Ø 0.95 / Ø 1.59	Ø 0.95 / Ø 1.59	Ø 0.95 / Ø 1.59	Ø 0.95 / Ø 1.59	Ø 0.95 / Ø 1.59
	Drain pipe	cm	Ø 2.5	Ø 2.5	Ø 2.5	Ø 2.5	Ø 2.5	Ø 2.5
Standard controller			Wireless Remote Controller					

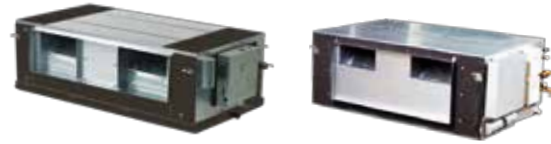


Model			42VD056H112011010	42VD058H112011010	42VD060H112011010	42VD140H112011010	42VD160H112011010	42VD190H112011010
Power supply			1-phase, 220-240V,50Hz					
Capacity	Cooling	kW	20.0	25.0	28.0	40.0	45.0	56.0
	Heating	kW	22.5	26.0	31.5	45.0	50.0	63.0
Power input	Cooling	W	1516	1516	1516	2700	2700	3400
	Heating	W	1516	1516	1516	2700	2700	3400
Airflow rate(H/M/L)		m ³ /s(CFM)	1.3/1.1/1.0 (2766/2413/2118)	1.3/1.1/1.0 (2766/2413/2118)	1.3/1.1/1.0 (2766/2413/2118)	2.1/1.7/1.4 (4398/3574/2940)	2.1/1.7/1.4 (4398/3574/2940)	2.65/2.21/1.83 (5618/4676/3882)
External static pressure(Min/Std/Max)		Pa	50/200/280	50/200/280	50/200/280	50/200/280	50/200/280	50/200/280
Sound pressure level(H/M/L)		dB(A)	59/55/52	59/55/52	59/55/52	61/59/56	61/59/56	63/60/57
Net dimension(WxHxD)		cm (m)	144 x 50.5 x 92.5 (1.44 x 0.51 x 0.93)	144 x 50.5 x 92.5 (1.44 x 0.51 x 0.93)	144 x 50.5 x 92.5 (1.44 x 0.51 x 0.93)	197 x 66.8 x 90.25 (1.97 x 0.67 x 0.90)	197 x 66.8 x 90.25 (1.97 x 0.67 x 0.90)	197 x 66.8 x 90.25 (1.97 x 0.67 x 0.90)
Packing dimension(WxHxD)		cm (m)	150.9 x 55 x 99 (1.51 x 0.55 x 0.99)	150.9 x 55 x 99 (1.51 x 0.55 x 0.99)	150.9 x 55 x 99 (1.51 x 0.55 x 0.99)	209.5 x 80 x 96.4 (2.10 x 0.80 x 0.96)	209.5 x 80 x 96.4 (2.10 x 0.80 x 0.96)	209.5 x 80 x 96.4 (2.10 x 0.80 x 0.96)
Net/gross weight		kg	115/129	115/129	115/129	232/245	232/245	235/250
Piping connections	Liquid/gas pipe	cm	Ø 0.95 x2 / Ø 1.59 x2	Ø 0.95 x2 / Ø 1.59 x2	Ø 0.95 x2 / Ø 1.59 x2	Ø 0.95 x2 / Ø 2.22 x2	Ø 0.95 x2 / Ø 2.22 x2	Ø 0.95 x2 / Ø 2.22 x2
	Drain pipe	cm	Ø 3.2	Ø 3.2	Ø 3.2	Ø 3.2	Ø 3.2	Ø 3.2
Standard controller			Wireless Remote Controller					

Notes:

- Nominal capacities are based on the following conditions:
 - Cooling: indoor temperature 27°C (80.6°F) DB, 19°C (66.2°F) WB; outdoor temperature 35°C (95.0°F) DB; equivalent refrigerant piping length 7.5m (24.6ft.) with zero level difference.
 - Heating: indoor temperature 20°C (68.0°F) DB; outdoor temperature 7°C (44.6°F) DB, 6°C (42.8°F) WB; equivalent refrigerant piping length 7.5m (24.6ft.) with zero level difference.
- Sound pressure level is measured 1.4m (4.59ft) below the unit in a semi-anechoic chamber.
- External static pressure is based on high speed indoor airflow.

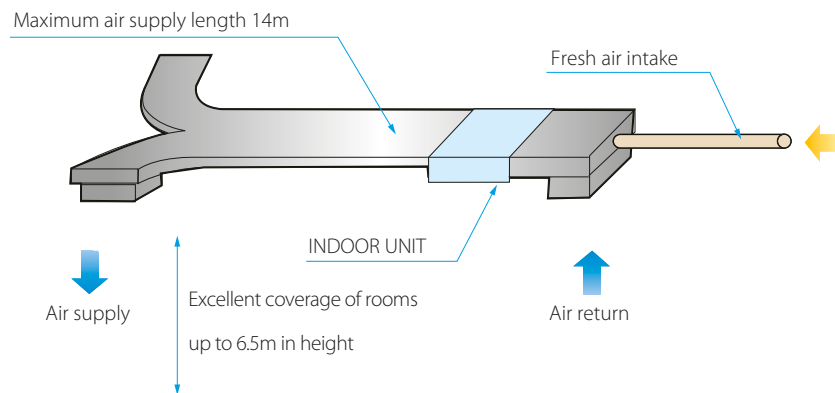
Fresh Air Processing Unit



100% Fresh Air Processing Unit >>

Both fresh air filtration and heating/cooling can be achieved in a single system.

Indoor units and the Fresh Air Processing Unit can be connected to the same refrigerant system, increasing design flexibility and greatly reducing total system costs.



Flexible Duct Design >>

The Fresh Air Processing unit offers external static pressures of up to 196Pa (Capacities 12.5 to 14kW) or 280Pa (Capacities 20 to 28kW), allowing air supply duct lengths of up to 14m at a height of 6.5m.

The Comfort of Fresh Air >>

Enjoy the comfort and health benefits of fresh air being drawn into your working or living environment.

Specifications

Model			42VD052H112211010	42VD054H112211010	42VD056H112211010	42VD058H112211010	42VD060H112211010
Power Supply			1-phase,220-240V,50Hz				
Capacity	Cooling	kW	12.5	14	20	25	28
	Heating	kW	10.5	12	18	20	22
Power Input	Cooling	kW	0.46	0.46	1.06 x 2	1.126 x 2	1.126 x 2
	Heating	kW	0.46	0.46	1.06 x 2	1.126 x 2	1.126 x 2
Airflow rate (H/M/L)	m³/s (CFM)		0.60/0.52/0.45 (1260/1100/948)	0.60/0.52/0.45 (1260/1100/948)	0.80/0.73/0.60 (1688/1541/1265)	0.83/0.75/0.63 (1768/1588/1324)	0.83/0.75/0.63 (1768/1588/1324)
External Static Pressure Std (Min-Max)	Pa		50(50~196)	50(50~196)	200(50~280)	200(50~280)	200(50~280)
Sound Pressure Level (H/M/L)	dB(A)		54/52/50	54/52/50	54/53/51	55/54/52	55/54/52
Net Dimensions (WxHxD)	cm (m)		130x42x69 (1.30x0.42x0.69)	130x42x69 (1.30x0.42x0.69)	144x50.5x92.5 (1.44x0.51x0.93)	144x50.5x92.5 (1.44x0.51x0.93)	144x50.5x92.5 (1.44x0.51x0.93)
Packing Dimensions (WxHxD)	cm (m)		143.6x45x76.8 (1.44x0.45x0.77)	143.6x45x76.8 (1.44x0.45x0.77)	150.9x55x99 (1.51x0.55x0.99)	150.9x55x99 (1.51x0.55x0.99)	150.9x55x99 (1.51x0.55x0.99)
Net / Gross weight	kg		69.5/76	69.5/76	115/125	115/125	115/125
Piping Connections	Liquid/gas pipe	cm	ø0.95/ø1.59	ø0.95/ø1.59	ø0.95/ø1.59	ø0.95/ø1.59	ø0.95/ø1.59
	Drain pipe	cm	ø2.5	ø2.5	ø3.2	ø3.2	ø3.2
Operating Temperature Range	°C		Heating : -5~16; Fan only: 16~20; Cooling: 20~43				
Standard Controller			Wireless Controller				

Wall-mounted



M9 Series

- Auto Restart Function
- Auto Addressing
- Timer
- Auto Defrosting
- Easy-cleaning Panel
- Follow Me*
- Anti-cold Air Function
- Auto Swing
- LED Display
- Built-in Filter
- Independent Dehumidification
- Wired Controller*

Multiple Options >>

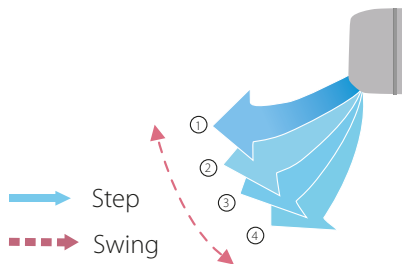
The elegant new series units enhance the aesthetics of any room and are suitable for a wide variety of installation space situations.

High Efficiency, Low Sound Level >>

Advanced brushless DC fan motors operate more efficiently without generating excessive noise, saving energy at the same time as providing a low-noise work or living space.

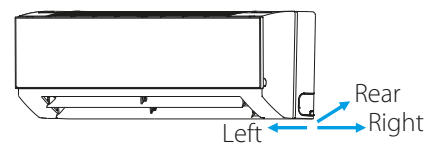
Auto Swing Louver >>

Multiple louver positions and the auto swing ensure precise and flexible airflow control.



Flexibility >>

To increase installation flexibility, the expansion valve is fitted inside the unit, making it more compact. The refrigerant outlet direction can be on the left, right or rear as per site requirement. The new fixing plate design speeds up the installation and provides extra stability.



Optimal Comfort Through Better Flow Control >>

A mechanical expansion valve ensures precise flow control whilst generating little modulation noise. A multi-blade fan coupled with a dual-blade air guide smooth output airflow and three fan speeds provide flexibility to respond to users' particular comfort requirements.



*Optional

Specifications

Model			42VH006H115000102	42VH009H115000102	42VH012H115000102	42VH018H115000102
Power supply			1-phase,220-240V,50/60Hz			
Capacity	Cooling	kW	2.2	2.8	3.6	4.5
	Heating	kW	2.4	3.2	4	5
Power input	Cooling	W	8	9	19	19
	Heating	W	8	9	19	19
Airflow rate (H/M/L)		m ³ /s(CFM)	0.12/0.11/0.10 (248/231/210)	0.12/0.10/0.09 (245/218/186)	0.18/0.16/0.14 (386/337/287)	0.17/0.14/0.12 (350/298/250)
Sound pressure level (H/M/L)		dB(A)	31/30/29	31/30/29	33/32/30	35/33/31
Net dimension (WxHxD)		cm (m)	83.5 x 28 x 20.3 (0.84 x 0.28 x 0.20)	83.5 x 28 x 20.3 (0.84 x 0.28 x 0.20)	99 x 31.5 x 22.3 (0.99 x 0.32 x 0.22)	99 x 31.5 x 22.3 (0.99 x 0.32 x 0.22)
Packing dimension (WxHxD)		cm (m)	93.5 x 38.5 x 32 (0.94 x 0.39 x 0.32)	93.5 x 38.5 x 32 (0.94 x 0.39 x 0.32)	108.5 x 42 x 33.5 (1.09 x 0.42 x 0.34)	108.5 x 42 x 33.5 (1.09 x 0.42 x 0.34)
Net/ Gross weight		kg	8.4/12.1	9.5/13.1	11.4/15.5	12.8/16.9
Piping connections	Liquid/gas pipe	cm	Ø 0.64 / Ø 1.27			
	Drain pipe	cm	Ø 1.65			
Standard controller			Wireless remote controller			

Model			42VH024H115000102	42VH028H115000102	42VH032H115000102	42VH036H115000102
Power supply			1-phase,220-240V,50/60Hz			
Capacity	Cooling	kW	5.6	7.1	8	9
	Heating	kW	6.3	8	9	10
Power input	Cooling	W	27	49	53	82
	Heating	W	27	49	53	82
Airflow rate (H/M/L)		m ³ /s(CFM)	0.21/0.18/0.15 (440/381/322)	0.33/0.28/0.22 (703/592/476)	0.33/0.28/0.22 (703/592/476)	0.39/0.30/0.24 (836/628/510)
Sound pressure level (H/M/L)		dB(A)	38/36/34	44/39/36	44/39/36	48/43/38
Dimension (WxHxD)		cm (m)	99 x 31.5 x 22.3 (0.99 x 0.32 x 0.22)	119.4 x 34.3 x 26.2 (1.19 x 0.34 x 0.26)	119.4 x 34.3 x 26.2 (1.19 x 0.34 x 0.26)	119.4 x 34.3 x 26.2 (1.19 x 0.34 x 0.26)
Packing (WxHxD)		cm (m)	108.5 x 42 x 33.5 (1.09 x 0.42 x 0.34)	129 x 37.5 x 46 (1.29 x 0.38 x 0.46)	129 x 37.5 x 46 (1.29 x 0.38 x 0.46)	129 x 37.5 x 46 (1.29 x 0.38 x 0.46)
Net/ Gross weight		kg	12.8/16.9	17/22.4	17/22.4	17/22.4
Piping connections	Liquid/gas pipe	cm	Ø 0.95/ Ø 1.59	Ø 0.95/ Ø 1.59	Ø 0.95/ Ø 1.59	Ø 0.95/ Ø 1.59
	Drain pipe	cm	Ø 1.65			
Standard controller			Wireless remote controller			

Notes:

1. Nominal cooling capacities are based on the following conditions: return air temperature.: 27°CDB, 19°CWB,outdoor temperature.: 35°CDB, equivalent ref. piping: 7.5m(horizontal).
2. Nominal heating capacities are based on the following conditions: return air temperature.: 20°CDB, outdoor temperature.: 7°CDB, 6°CWB,equivalent ref. Piping: 7.5m(horizontal).
3. Sound level is measured 1m below the air outlet horizontally and vertically.

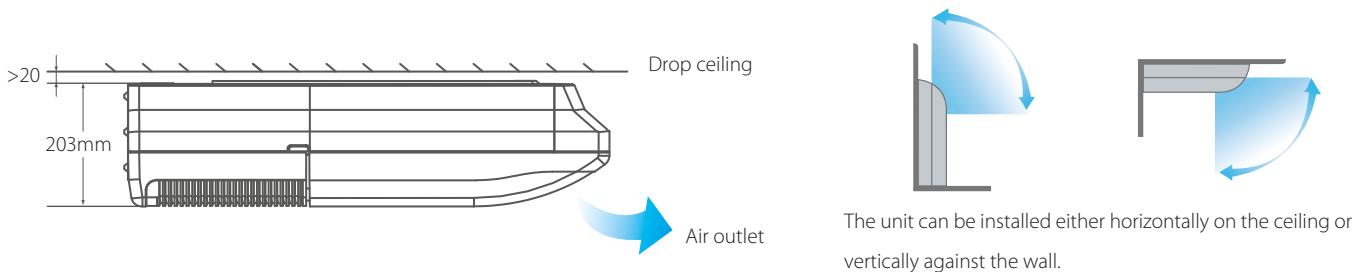
Ceiling & Floor



- Auto Restart Function
- Auto Addressing
- Timer
- Auto Defrosting
- Easy-cleaning Panel
- Follow Me
- Anti-cold Air Function
- Auto Swing
- LED Display
- Built-in Filter
- Independent Dehumidification
- Wired Controller

Flexibility >>

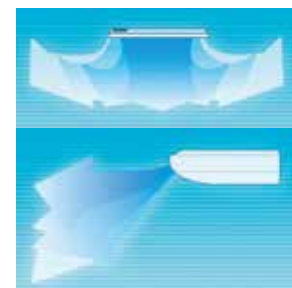
A sleek design suits installation either on the ceiling or floor, providing flexibility to accommodate a wide range of room designs.



The unit can be installed either horizontally on the ceiling or vertically against the wall.

Wide-Angle Swing >>

A wide-angle swing together with bi-directional louver swing allows the positioning of the unit to be selected to suit the room's decor, whilst ensuring that full-room cooling and heating coverage is achieved.



Wide-angle swing

Increased Comfort >>

Sound levels as low as 36dB(A) are achieved using electronic expansion valves which ensure precise flow control whilst generating little modulation noise. A multi-blade fan coupled with a dual-louver air guide smooth output airflow.

Specifications

Model			42VF012H112000010	42VF018H112000010	42VF024H112000010	42VF028H112000010	42VF032H112000010
Power supply			1-phase,220-240V,50Hz				
Capacity	Cooling	kW	3.6	4.5	5.6	7.1	8.0
	Heating	kW	4.0	5.0	6.3	8.0	9.0
Power input	Cooling	W	49	120	122	125	130
	Heating	W	49	120	122	125	130
Airflow rate(H/M/L)		m ³ /s (CFM)	0.18/0.16/0.14 (383/335/294)	0.22/0.17/0.14 (471/353/294)	0.22/0.17/0.14 (471/353/294)	0.22/0.17/0.14 (471/353/294)	0.33/0.25/0.19 (706/530/412)
Sound pressure level(H/M/L)		dB(A)	40/38/36	43/41/38	43/41/38	43/41/38	45/43/40
Net dimension(WxHxD)		cm (m)	99 x 20.3 x 66 (0.99 x 0.20 x 0.66)	99 x 20.3 x 66 (0.99 x 0.20 x 0.66)	99 x 20.3 x 66 (0.99 x 0.20 x 0.66)	99 x 20.3 x 66 (0.99 x 0.20 x 0.66)	128 x 20.3 x 66 (1.28 x 0.20 x 0.66)
Packing dimension(WxHxD)		cm (m)	108.9 x 29.6 x 74.4 (1.09 x 0.30 x 0.74)	108.9 x 29.6 x 74.4 (1.09 x 0.30 x 0.74)	108.9 x 29.6 x 74.4 (1.09 x 0.30 x 0.74)	108.9 x 29.6 x 74.4 (1.09 x 0.30 x 0.74)	137.9 x 29.6 x 74.4 (1.38 x 0.30 x 0.74)
Net/gross weight		kg	26/32	28/34	28/34	28/34	34.5/41
Piping connections	Liquid/gas pipe	cm	Ø 0.64 / Ø 1.27	Ø 0.64 / Ø 1.27	Ø 0.95 / Ø 1.59	Ø 0.95 / Ø 1.59	Ø 0.95 / Ø 1.59
	Drain pipe	cm	Ø 2.5	Ø 2.5	Ø 2.5	Ø 2.5	Ø 2.5
Standard controller			Wireless remote controller				



Model			42VF036H112000010	42VF048H112000010	42VF054H112000010	42VF055H12000010
Power supply			1-phase, 220-240V, 50Hz			
Capacity	Cooling	kW	9.0	11.2	14.0	16.0
	Heating	kW	10.0	12.5	15.0	18.0
Power input	Cooling	W	130	182	182	300
	Heating	W	130	182	182	300
Airflow rate(H/M/L)		m ³ /s (CFM)	0.33/0.25/0.19 (706/530/412)	0.55/0.52/0.48 (1165/1095/1018)	0.55/0.52/0.48 (1165/1095/1018)	0.55/0.52/0.48 (1165/1095/1018)
Sound pressure level(H/M/L)		dB(A)	45/43/40	47/45/42	47/45/42	47/45/42
Net dimension(WxHxD)		mm	128 x 20.3 x 66 (1.28 x 0.20 x 0.66)	167 x 24.4 x 68 (1.67x 0.24 x 0.68)	167 x 24.4 x 68 (1.67x 0.24 x 0.68)	16.7 x 28.5 x 68 (1.67 x 0.29 x 0.68)
Packing dimension(WxHxD)		mm	137.9 x 29.6 x 74.4 (1.38 x 0.30 x 0.74)	176.4 x 32.9 x 76 (1.76 x 0.33 x 0.76)	176.4 x 32.9 x 76 (1.76 x 0.33 x 0.76)	177.5 x 37.7 x 76 (1.78 x 0.38 x 0.76)
Net/gross weight		kg	34.5/41	54/59	54/59	57.5/63.5
Piping connections	Liquid/gas pipe	cm (m)	Ø 0.95 / Ø 1.59	Ø 0.95 / Ø 1.59	Ø 0.95 / Ø 1.59	Ø 0.95 / Ø 1.59
	Drain pipe	cm (m)	Ø 2.5	Ø 2.5	Ø 2.5	Ø 2.5
Standard controller			Wireless remote controller			

Notes:

1. Nominal capacities are based on the following conditions:

- Cooling: indoor temperature 27°C (80.6°F) DB, 19°C (66.2°F) WB; outdoor temperature 35°C (95.0°F) DB; equivalent refrigerant piping length 7.5m (24.6ft.) with zero level difference.

- Heating: indoor temperature 20°C (68.0°F) DB; outdoor temperature 7°C (44.6°F) DB, 6°C (42.8°F) WB; equivalent refrigerant piping length 7.5m (24.6ft.) with zero level difference.

2. Floor standing: Sound pressure level is measured at a position 1m (3.28ft) in front the unit and 1m (3.28ft) above the floor in a semi-anechoic chamber.

Ceiling mounted: Sound pressure level is measured at a position 1m (3.28ft) in front and 1m (3.28ft) below the unit in a semi-anechoic chamber.

Floor Standing



- Auto Restart Function
- Follow Me
- Anti-cold Air Function
- Auto Addressing
- Auto Defrosting
- Independent Dehumidification
- Timer
- Wired Controller

Flexibility >>

The Floor Standing indoor unit can be installed on the floor or, for easier floor cleaning, hung on the wall with piping running from the rear. The streamlined appearance complements any room's decor.

Casing Options >>

At just 212mm deep, the concealed floor standing unit can be installed around the perimeter of a room, hidden behind the skirting board, and special installation methods can be used to eliminate noise from the room space. The front air intake and underside air intake offer a choice of air intake options.



Concealed



Front air intake



Underside air intake

Specifications

Model (Concealed)	42VS006H112003010	42VS009H112003010	42VS012H112003010	42VS018H112003010	42VS024H112003010	42VS028H112003010	42VS032H112003010		
Power supply	1-phase, 220-240V, 50Hz								
Capacity	Cooling	kW	2.2	2.8	3.6	4.5	5.6	7.1	8.0
	Heating	kW	2.6	3.2	4.0	5.0	6.3	8.0	9.0
Power input	Cooling	W	40	46	46	49	88	130	130
	Heating	W	40	46	46	49	88	130	130
Airflow rate(H/M/L)		m ³ /s (CFM)	0.15/0.13/0.11 (312/268/235)	0.16/0.13/0.12 (335/285/248)	0.17/0.15/0.10 (367/307/221)	0.18/0.15/0.12 (388/319/259)	0.32/0.27/0.23 (676/571/488)	0.38/0.31/0.24 (812/647/512)	0.38/0.31/0.24 (812/647/512)
Sound pressure level(H/M/L)		dB(A)	36/33/29	36/33/29	37/34/30	37/34/30	41/35/31	44/39/33	44/39/33
Net dimension(WxHxD)		cm	84 x 54.5 x 21.2 (0.84 x 0.55 x 0.21)	84 x 54.5 x 21.2 (0.84 x 0.55 x 0.21)	104 x 54.5 x 21.2 (1.04 x 0.55 x 0.21)	104 x 54.5 x 21.2 (1.04 x 0.55 x 0.21)	134 x 54.5 x 21.2 (1.34 x 0.55 x 0.21)	134 x 54.5 x 21.2 (1.34 x 0.55 x 0.21)	134 x 54.5 x 21.2 (1.34 x 0.55 x 0.21)
Packing dimension(WxHxD)		cm	93.9 x 63.9 x 30.5 (0.94 x 0.64 x 0.31)	93.9 x 63.9 x 30.5 (0.94 x 0.64 x 0.31)	113.9 x 63.9 x 30.5 (1.14 x 0.64 x 0.31)	113.9 x 63.9 x 30.5 (1.14 x 0.64 x 0.31)	142.5 x 63.9 x 30.5 (1.43 x 0.64 x 0.31)	142.5 x 63.9 x 30.5 (1.43 x 0.64 x 0.31)	142.5 x 63.9 x 30.5 (1.43 x 0.64 x 0.31)
Net/gross weight		kg	25/27	25/27	29.5/34	29.5/34	33/39	33/39	36/40
Piping connections	Liquid/gas pipe	cm	Ø 0.64 / Ø 1.27	Ø 0.64 / Ø 1.27	Ø 0.64 / Ø 1.27	Ø 0.64 / Ø 1.27	Ø 0.95 / Ø 1.59	Ø 0.95 / Ø 1.59	Ø 0.95 / Ø 1.59
	Drain pipe	cm	Ø 2.5	Ø 2.5	Ø 2.5	Ø 2.5	Ø 2.5	Ø 2.5	Ø 2.5
Standard controller	Wireless remote controller								

Specifications

Model (Exposed)	Front air intake	42VS006H112002010	42VS009H112002010	42VS012H112002010	42VS018H112002010	42VS024H112002010	42VS028H112002010	42VS032H112002010	
	Underside air intake	42VS006H112001010	42VS009H112001010	42VS012H112001010	42VS018H112001010	42VS024H112001010	42VS028H112001010	42VS032H112001010	
Power supply	1-phase,220-240V,50Hz								
Capacity	Cooling	kW	2.2	2.8	3.6	4.5	5.6	7.1	8.0
	Heating	kW	2.4	3.2	4.0	5.0	6.3	8.0	9.0
Power input	Cooling	W	40	46	46	49	88	130	130
	Heating	W	40	46	46	49	88	130	130
Airflow rate(H/M/L)		m ³ /s (CFM)	0.15/0.13/0.11 (312/268/235)	0.16/0.13/0.12 (335/285/248)	0.17/0.15/0.10 (367/307/220)	0.18/0.15/0.12 (388/319/259)	0.32/0.30/0.23 (677/571/489)	0.38/0.31/0.24 (812/647/512)	0.38/0.31/0.24 (812/647/512)
Sound pressure level(H/M/L)	Front air intake	dB(A)	36/33/29	36/33/29	37/34/30	37/34/30	41/35/31	44/39/33	44/39/33
	Underside air intake	dB(A)	36/33/29	36/33/29	37/34/30	37/34/30	41/35/31	44/39/33	44/39/33
Net dimension(WxHxD)	Front air intake	mm	1000x596x225	1000x596x225	1200x596x225	1200x596x225	1500x596x225	1500x596x225	1500x596x225
	Underside air intake	cm (m)	100 x 67.7 x 22 (1.00 x 0.68 x 0.22)	100 x 67.7 x 22 (1.00 x 0.68 x 0.22)	120 x 67.7 x 22 (1.20 x 0.68 x 0.22)	120 x 67.7 x 22 (1.20 x 0.68 x 0.22)	150 x 67.7 x 22 (1.50 x 0.68 x 0.22)	150 x 67.7 x 22 (1.50 x 0.68 x 0.22)	150 x 67.7 x 22 (1.50 x 0.68 x 0.22)
Packing dimension(WxHxD)	Front air intake	cm (m)	108.9 x 68.3 x 31.2 (1.09 x 0.68 x 0.31)	108.9 x 68.3 x 31.2 (1.09 x 0.68 x 0.31)	128.9 x 68.3 x 31.2 (1.29 x 0.68 x 0.31)	128.9 x 68.3 x 31.2 (1.29 x 0.68 x 0.31)	158.9 x 68.3 x 31.2 (1.59 x 0.68 x 0.31)	158.9 x 68.3 x 31.2 (1.59 x 0.68 x 0.31)	158.9 x 68.3 x 31.2 (1.59 x 0.68 x 0.31)
	Underside air intake	mm	1182x683x312	1182x683x312	1382x683x312	1382x683x312	1682x683x312	1682x683x312	1682x683x312
Net/gross weight	Front air intake	kg	30/35	30/35	36/44	36/44	41/46.5	41/46.5	42.5/48.5
	Underside air intake	kg	30/38	30/38	35.5/41	35.5/41	42/51	42/51	44/53
Piping connections	Liquid/gas pipe	cm	Ø 0.64 / Ø 1.27	Ø 0.64 / Ø 1.27	Ø 0.64 / Ø 1.27	Ø 0.64 / Ø 1.27	Ø 0.95 / Ø 1.59	Ø 0.95 / Ø 1.59	Ø 0.95 / Ø 1.59
	Drain pipe	cm	Ø 2.5	Ø 2.5	Ø 2.5	Ø 2.5	Ø 2.5	Ø 2.5	Ø 2.5
Standard controller	Wireless remote controller								

Notes:

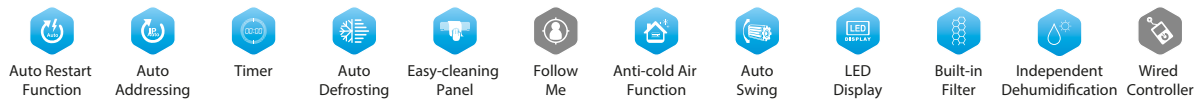
1. Nominal capacities are based on the following conditions:

- Cooling: indoor temperature 27°C (80.6°F) DB, 19°C (66.2°F) WB; outdoor temperature 35°C (95.0°F) DB; equivalent refrigerant piping length 7.5m (24.6ft.) with zero level difference.
- Heating: indoor temperature 20°C (68.0°F) DB; outdoor temperature 7°C (44.6°F) DB, 6°C (42.8°F) WB; equivalent refrigerant piping length 7.5m (24.6ft.) with zero level difference.

2. The specifications of the concealed series are measured at 10Pa external static pressure and those of the F4 and F5 series at 0Pa external static pressure.

3. Sound pressure level is measured at a position 1m (3.28ft) in front the unit and 1m (3.28ft) above the floor in a semi-anechoic chamber.

Console



Compact and Stylish >>

The elegant, space-saving design of the Console unit complements any room's decor. The expansion valve is installed inside the indoor unit for added compactness.

High-Efficiency Filter >>

Formaldehyde nemesis filter is fitted as standard and active-carbon and biological anti-virus filter are available as a customization option.

High Comfort >>

A wide-angle swing together with auto swing louvers and five fan speed options ensure that airflow reaches every corner of the room. A 2000-stage element mechanical expansion valve ensures precise flow control whilst generating little modulation noise.

Flexibility >>

The Console unit can be installed on the floor or lower part of the wall. Full capacity is still achieved even when the underside air inlet is unavailable.



Two Air Outlets and Four Air Inlets >>

The Console unit's combination of four air inlets and two air outlets ensure that cooling and heating is distributed in all directions.



Low-noise Design >>

A five-speed fan allows airflow customization whilst maintaining low-noise, low power consumption operation.



Sound levels as low as 26dB(A)

Specifications

Model			42VC006H1 12000010	42VC009H1 12000010	42VC012H1 12000010	42VC018H1 12000010
Power supply			1-phase,220-240V,50Hz			
Capacity	Cooling	kW	2.2	2.8	3.6	4.5
	Heating	kW	2.6	3.2	4.0	5.0
Power input	Cooling	W	20	25	25	45
	Heating	W	20	25	25	45
Airflow rate(H/M/L)		m ³ /s (CFM)	0.12/0.10/0.06 (253/203/135)	0.14/0.12/0.06 (300/253/135)	0.14/0.12/0.06 (300/253/135)	0.18/0.14/0.11 (388/301/235)
Sound pressure level(H/M/L)		dB(A)	38/32/26	39/33/27	39/33/27	42/39/36
Net dimension(WxHxD)		cm(m)	70 x 60 x 21 (0.70 x 0.60 x 0.21)	70 x 60 x 21 (0.70 x 0.60 x 0.21)	70 x 60 x 21 (0.70 x 0.60 x 0.21)	70 x 60 x 21 (0.70 x 0.60 x 0.21)
Packing dimension(WxHxD)		cm(m)	81 x 71 x 30.5 (0.81 x 0.71 x 0.31)	81 x 71 x 30.5 (0.81 x 0.71 x 0.31)	81 x 71 x 30.5 (0.81 x 0.71 x 0.31)	81 x 71 x 30.5 (0.81 x 0.71 x 0.31)
Net/gross weight		kg	14/19	15/20	15/20	15/20
Piping connections	Liquid/gas pipe	cm	Ø 0.64 / Ø 1.27	Ø 0.64 / Ø 1.27	Ø 0.64 / Ø 1.27	Ø 0.64 / Ø 1.27
	Drain pipe	cm	Ø 1.6	Ø 1.6	Ø 1.6	Ø 1.6
Standard controller			Wireless remote controller			

1. Nominal capacities are based on the following conditions:

- Cooling: indoor temperature 27°C (80.6°F) DB, 19°C (66.2°F) WB; outdoor temperature 35°C (95.0°F) DB; equivalent refrigerant piping length 7.5m (24.6ft) with zero level difference.
- Heating: indoor temperature 20°C (68.0°F) DB; outdoor temperature 7°C (44.6°F) DB, 6°C (42.8°F) WB; equivalent refrigerant piping length 7.5m (24.6ft) with zero level difference.

2. Sound pressure level is measured at a position 1m (3.28ft) in front of the unit and 1m (3.28ft) above the floor in a semi-anechoic chamber.

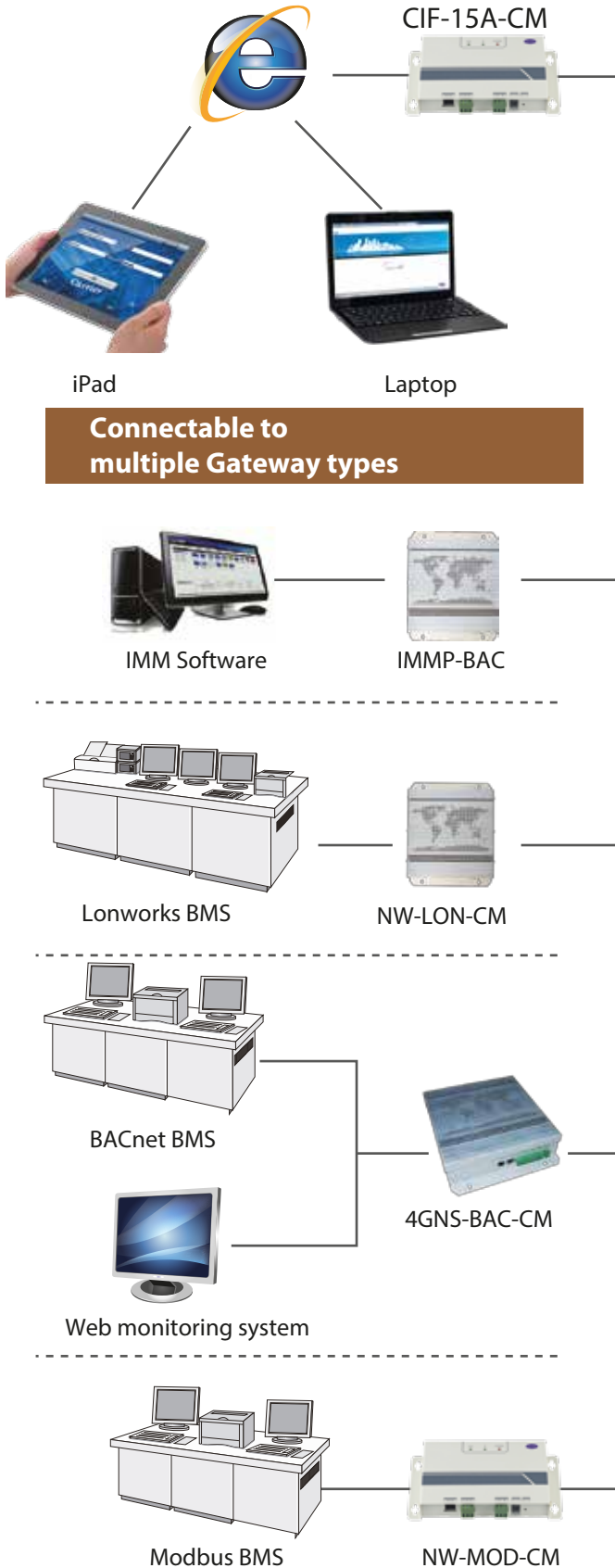
A low-angle, upward-looking photograph of several modern skyscrapers. The buildings are primarily glass and steel, with one prominent building in the center-right featuring a distinctive white structural frame. The sky is a vibrant blue with scattered white clouds. A semi-transparent dark grey horizontal band is overlaid across the middle of the image, containing the text and a chevron symbol.

Control Systems



Control Systems

Network Control



Centralized Control

Indoor Centralized Controller (Touch key)



X,Y,E

CRF-30-CM

(For Connectivity with VX/VXi/VC PRO Consult the Technical Team)

Indoor Centralized Controller



X,Y,E

CRF-180A-CM (64IDU)

Indoor Centralized Monitor



K1,K2,E

CRF-270A-CM (384IDU)

F1,F2,E

Note : The wires in the diagram show the signal flow and is only a representation of the wiring connections

Individual control

Wired controller
WR-29B-CM



Remote controller
WL-12-CM



Accessories

Card-key Interface CA-NIM05



CA-NIM05



Card-key



Wired controller

Infrared Sensor CA-NIM09



Infrared control box



Infrared sensor module



Wired controller

Outdoor units



Wireless & Wired Remote Controller >>



WL-12-CM



WR-29B-CM



Auto mode



DRY mode



HEAT mode



COOL mode



FAN mode



Timer



Lock



Eco mode



Follow Me



Address setting



Silent mode



Filter cleaning reminder

Model Name	WL-12-CM	WR-29B-CM
Mode change	√	√
Temp. setting	√	√
Fan speed control	√	√
Keyboard lock	√	√
Swing function	√	√
Air direction	√	√
Clock display	√	√
Address setting	√	√
Follow me function	-	√
26°C shortcut setting	-	√
Background light	√	√

Centralized Controller >>

Indoor Centralized Controller



CRF-180A-CM & CRF-270A-CM

- COOL mode
- Swing
- Filter cleaning reminder
- HEAT mode
- Keyboard lock
- Remote controller lock
- Timer
- Fan mode
- Cooling lock
- Heating lock
- Net connection



CRF-30-CM

- Auto mode
- COOL mode
- HEAT mode
- Fan mode
- DRY mode
- Cooling lock
- Swing
- Keyboard lock
- Heating lock
- Remote controller lock
- Weekly schedule

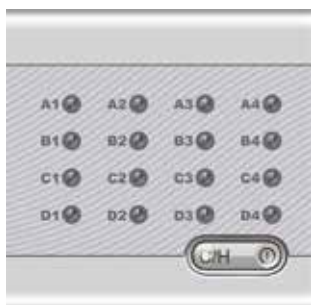
Model	CRF-30-CM	CRF-180A-CM	CRF-270A-CM
Max No. of IDU	64	64	384
Max. No. of Ref. Systems	8	8	48
Touch Screen	-	√	√
On / Off	√	√	√
Mode Selection	√	√	√
Temperature Setting	√	√	√
Auto Swing	√	√	√
Holiday setting	-	√	√
°C / °F setting	-	√	√
Schedule management	-	√	√
Clock display	-	√	√
Unit model recognition	-	√	√
Electricity charge distribution	-	-	√
Energy Management	-	√	√
Group Management	√	√	√
Error check function	√	√	√
System parameter querying	√	√	√
USB Output	-	Error Report	Error Report, Operation record & electricity consumption report
Report display	-		
LAN access	-	-	√

Centralized Controller >>

Unified On/Off Controller

Unified controller design with graceful appearance and explicit panel.

CRF-90-CM



Feature:

- ❖ Centralized Control
- ❖ Short press : Only turn ON/OFF the last time operated indoor units.
- ❖ Long press (3 seconds) : Can turn ON/OFF all indoor units.
- ❖ Operation Mode Selection Switch (Cooling, Heating)
- ❖ Sleep and memory function
- ❖ Connect up to 16 indoor units

If no operation to be conducted at the controller after 25 seconds, system would enter to sleep mode, all indicators are faded. Press any key to recovery the displaying.

Accessories >>

Indoor Unit Group Controller

WR-150A-CM



Feature:

- ❖ It can connect up to 16 indoor units through X Y E ports.
- ❖ With a display panel connected to WR-150A-CM, signal from wired controller and remote controller can control a group of indoor units simultaneously and all indoor units will run at the same setting parameters.

Outdoor Unit Remote Alarm Controller

WR-32-CM



Feature:

- ❖ Design for outdoor alarm and monitoring
- ❖ It doesn't display the ODU's working parameters, it can connect the alarm device when the ODU is working abnormally, in which case the RUN light will flash
- ❖ Access to network monitoring system
- ❖ 220V power input
- ❖ 220V AC output for the alarm device

Central Control Software >>



Central Control Software >>

Intelligent Manager of Carrier

IMMPRO Network Control System

IMMP-BAC/CRF-270A-CM



Functions >>

User-friendly Interface

Simple, practical user interface makes for a user-friendly experience even for first-time users.



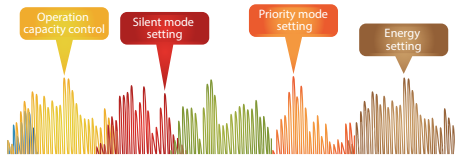
Schedule Management

Daily, weekly or annual schedules can be used to set unit settings such as on/off, operating mode, set temperature, fan speed and swing.



Outdoor Unit Configuration

Outdoor unit configuration and settings can be monitored and controlled without having to go outdoors.

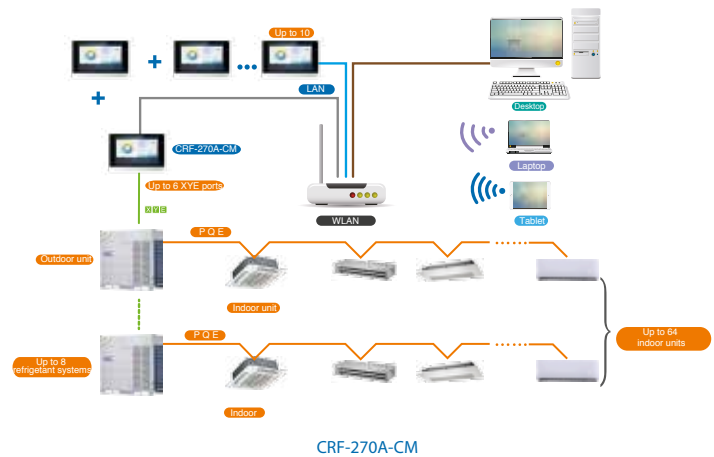
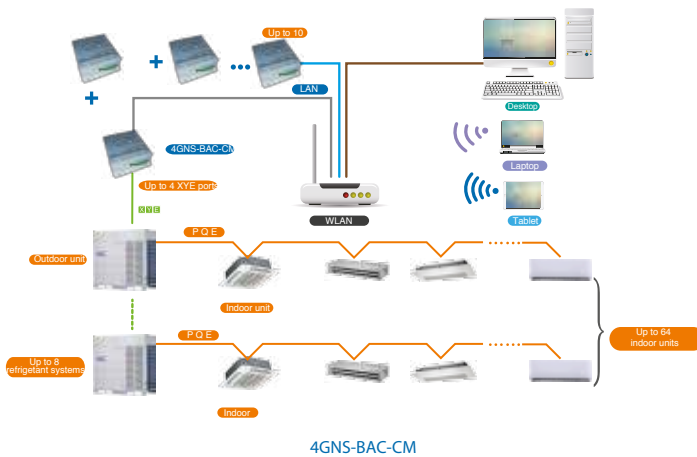


Electricity Charge Distribution

The IMMPRO uses the patented Carrier Calculation Method to estimate the electricity consumption of the outdoor units and then divide it among the indoor units so that the electricity charges can be equitably divided among building occupants.



Network Flexibility



Accessories >>

Data converter

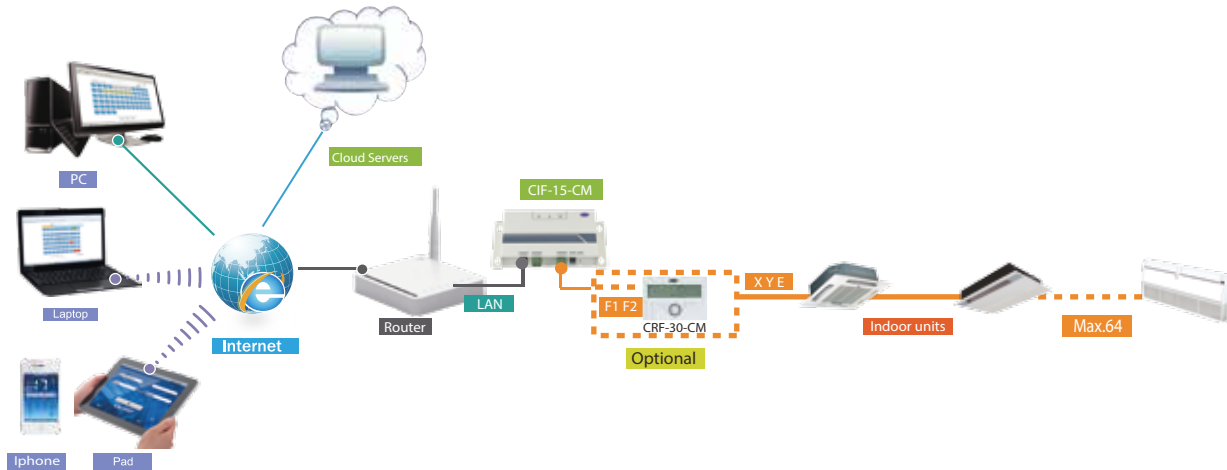
CIF-15A-CM

- ❖ Can realize data conversion between TCP/IP protocol and 485 protocol.
- ❖ WEB function realizes VRF system's webpage access.
- ❖ User can monitor and query the air conditioners through LAN and WAN.
- ❖ Providing the TCP / IP port for VRF system of Carrier to achieve WEB/HTTP/TCP/IP access.
- ❖ Can remotely control the A/C systems through computer, iPhone, iPad or other intelligent terminals.



Network example >>

- ❖ Can be directly connected with XYE port of the indoor units.
- ❖ Up to connect 64 indoor units.
- ❖ CRF-30-CM is optional and can be connected with CIF-15A-CM through F1, F2 and E ports.
- ❖ The system consisting A/C system, data converter CIF-15A-CM, router, cloud server and control terminal.



Simple control interface >>

- ❖ Software control/ Cloud server control (WEB access).
- ❖ Click & operate, a user-friendly interface.
- ❖ Allows signal and group control.
- ❖ Simplified user control interface.
- ❖ Color indication and icon makes it easy to recognize unit state.
- ❖ Full screen display and the temperature can be adjusted by fingers' sliding.



Accessories >>

BACnet® BMS Gateway

4GNS-BAC-CM



Feature:

- ❖ BACNET protocol network
- ❖ Web Access Function
- ❖ BTL certification
- ❖ Contains 4 groups of RS485 communication ports
- ❖ Connect up to 256 Indoor units or 128 outdoor units to the BMS

Accessories >>

Modbus BMS Gateway

NW-MOD-CM



Feature:

- ❖ Directly bridge the IDU to the Modbus network
- ❖ One CRF-18-CM can connect max. 64 IDU and 4 outdoor unit
- ❖ One CRF-18U-CM can connect max.16 IDU
- ❖ Built-in WEB server function
- ❖ Can't connect with central controller

Accessories >>

LonWorks® BMS Gateway

NW-LON-CM



Feature:

- ❖ Directly bridge the IDU to the LonWorks network
- ❖ One gateway max. connect 64 IDU
- ❖ Can't connect with central controllers
- ❖ Only can monitor/control indoor unit

KNX Gateway

NW-KNX-CM



Feature:

- ❖ External power is not required and direct connect to the KNX EIB bus
- ❖ One KNX connect one indoor unit
- ❖ Easy installation and directly connects with one indoor unit through the RS485 bus
- ❖ Directly connect to the KNX bus
- ❖ KNX certification

3-Phase Protector

HWUA



DPB71CM48



Feature:

- ❖ Detects power status and take protective action to stop the compressor from being damaged
- ❖ Automatically distinguishes the abnormal power supply conditions and automatically recovers

Digital Power Ammeter

DTS634/DTS636

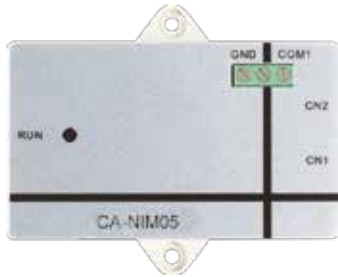


Feature:

- ❖ Calculates power consumption
- ❖ Doesn't need to adjust after long-term use
- ❖ Corresponds one outdoor unit to one digital power ammeter

Accessories >>

Hotel Key Card Interface Module



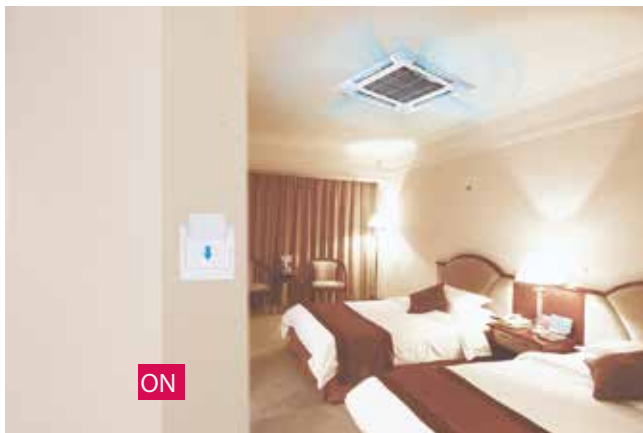
CA-NIM05/E



CA-NIM05B/E

Key Features >>

- ❖ Special design for hotel guest room, working with hotel card system
- ❖ When the Card Key is in place, the air conditioner is activated
- ❖ When the Card Key is removed, the air conditioner switches off, to avoid cooling an unoccupied room and save energy
- ❖ Built-in auto restart function
- ❖ Compatible with remote and wired controllers
- ❖ The CA-NIM05/E works in conjunction with a high voltage relay
- ❖ The CA-NIM05B/E can be connected directly to the hotel card slot system (AC 220V) without the need for a high voltage relay



Accessories >>

Infrared Sensor Controller



CA-NIM09

Feature:

- ❖ The infrared sensor is suitable to be used in hotel, office, conference room, residence, etc.
- ❖ When someone gets into the room, air conditioner will start automatic. If no one activities, it will be turn off. It controls the AC's on/off by the infrared that our body has delivered.
- ❖ This function will save energy since it minimizes the unnecessary energy usage by powering off when the area is empty.

Accessories >>

AHU Control Box

AHUKZ-00B/AHUKZ-01B/AHUKZ-02B/AHUKZ-03B

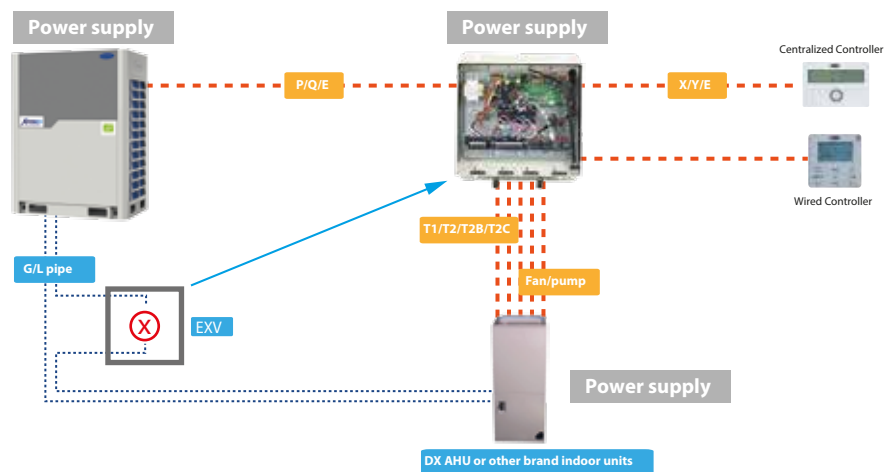
VX/VXi/VC PRO Standard functions inside.

Can be used to connect VRF outdoor units with DX AHU or other brand indoor units



Introduction >>

AHUKZ-00B/AHUKZ-01B/AHUKZ-02B/AHUKZ-03B is an independent control box that can connect a AHU to VX/VXi/VC PRO system to realize centralized control with VX/VXi/VC PRO system. Control box wiring is as follows:



Feature >>

- ❖ Maximum 4 AHU Control Box can be parallel installed to one 3rd party indoor unit
- ❖ Interface to allow other brand's DX AHU connecting to our VRF outdoor units.
- ❖ DX AHU connection kit consist of control part, EXV part, temperature sensors and wired controller.
- ❖ Access to network monitoring system.
- ❖ Capacity modulation required in field.
- ❖ Suitable for indoor installation.
- ❖ Power supply 1-phase/208-230V, 50Hz.

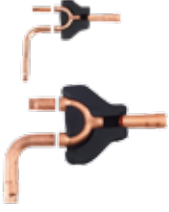

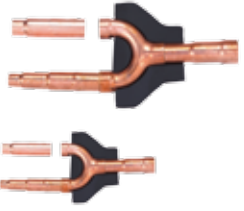


Branch Pipe



BRANCH JOINTS

BRANCH JOINTS

Type	Appearance	Model	Packed Dimensions mm	Gross Weight kg	Note
Branch joints for outdoor units		BJC-02E-CM(i)	255×150×185	2.0	Connecting two outdoor units
		BJC-03E-CM(i)	345×160×285	4.3	Connecting three outdoor units
Branch joints for indoor units		BJF-224-CM(i)	290×105×100	0.4	/
		BJF-330-CM(i)	290×105×100	0.6	/
		BJF-710-CM(i)	310×130×125	0.9	/
		BJF-1344-CM(i)	350×180×170	1.5	/
		BJF-E1344-CM(i)	365×195×215	1.9	/
		BJF-E1500-CM(i)	390×230×255	3.1	/
		BJF-E2690-CM(i)	390×230×255	3.4	/

Dimensions

Outdoor Branch Joints

Model	Gas side joints	Liquid side joints
BJC-02E-CM(i)		
BJC-03E-CM(i)		

Dimensions

Indoor Branch Joints

BRANCH JOINTS

Model	Gas side joints	Liquid side joints
BJF-224-CM(i)		
BJF-330-CM(i)		
BJF-710-CM(i)		
BJF-1344-CM(i)		
BJF-E1344-CM(i)		
BJF-E1500-CM(i)		
BJF-E2690-CM(i)		



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