



Clivet. Change Things

OUTDOOR UNITS

INDOOR UNITS

HRV

CONTROL SYSTEMS

BRANCH JOINTS

40
agencies in Italy

630
employees in Italy
and abroad

75
countries we export to

2015
Clivet Live is born

2016
A Group Company of


50.000 m²
of plants in Feltre,
Belluno - Italy

6
branches: Great Britain, Germany, Spain,
Russia, UAE, India

140
service centres

FORTUNE GLOBAL 500
Midea Group #323 in 2018
35.794 \$M
Midea turnover



For 30 years we have been offering solutions to ensure sustainable comfort and the well-being of people and the environment

In 30 years of working on the design, manufacturing and distribution of air conditioning and handling systems, combining high efficiency with minimal environmental impact, Clivet has developed solutions to ensure sustainable comfort and the well-being of people and the environment. Designing and developing year-round air conditioning solutions with innovative technologies are part of Clivet's DNA, which means the company has always been ready for the future.

Our values in the residential, commercial and industrial sectors

Increasing comfort, saving energy and providing customers with the best value for the entire life cycle of the system: these are the values that inspire our systems for the residential, services and industrial sectors.

INCREASE COMFORT LEVEL

REDUCE ENERGY CONSUMPTION

REDUCE TOTAL LIFE CYCLE COST

VRF

Outdoor Units



Indoor Units



- **HIGH SEASONAL EFFICIENCIES**
Maximum efficiencies at most frequent load conditions
- **WIDE OPERATING RANGE**
With special attention to cooling and heating guaranteed at low temperatures
- **INTELLIGENT DEFROSTING**
Saves energy by adjusting duration and frequency
- **NIGHT SILENT MODE**
Increases quietness and internal comfort
- **ROTATION AND BACKUP FUNCTION**
In systems with several external modules, the different units are used in such a way as to balance the operating hours, extending the useful life of the entire system. Similarly, in the event of a failure of one of the modules, the system compensates for the malfunction by automatically activating the others, allowing continuity of service
- **AUTO ADDRESSING**
The outdoor unit is designed to assign addresses to system units automatically, simplifying installation
- **IDEAL FOR ANY ENVIRONMENT:**
Offices, Restaurants, Residential, Hotels, Commercial areas
- **HIGH PERFORMANCE**
High efficiency DC inverter fans and heat exchangers
- **STANDARD AIR FILTER**
G2 class washable filter designed for easy removal
- **AUTOMATIC RESTART**
Restart 3 minutes after power recovery with the latest operating settings
- **INTEGRATED ELECTRONIC EXPANSION VALVE**
Precise regulation of refrigerant in the heat exchanger
- **WIDE RANGE**
more than 100 models in 14 different types from 1,8 to 28kW
- **7 FAN SPEEDS AVAILABLE**
All series are adjustable through 7 fan speeds to ensure maximum comfort

Quality and certifications

Clivet products comply with applicable product directives, as required in all EU countries, in order to guarantee an appropriate level of safety.



The wide range of Clivet products and complete systems comply with the requirements of the implementing measures for ErP (Energy related Products) Directives 2009/125/EC (Eco-design) and 2010/30/EU (Energy labelling), whose purpose is to reduce the energy consumption of products for heating, cooling, ventilation and hot water production, encouraging the user towards energy-efficient choices.
Directives 2009/125/EC and 2010/30/EU include the following Regulations: (EU) 206/2012, (EU) 626/2011; (EU) 811/2013, (EU) 812/2013, (EU) 813/2013, (EU) 814/2013; (EU) 1253/2014, (EU) 1254/2014; (EU) 2016/2281.



Clivet participates in the EUROVENT "Liquid Chilling Packages and Heat Pumps", "Rooftops", "Air Handling Units" and "VRF" Certification programmes. The products concerned feature in the EUROVENT guide to certified products and on the website www.eurovent-certification.com. The programmes apply to water chillers up to 1500 kW, to rooftops up to 100 kW, to air handling units and to VRF up to 100 kW.



With the aim of providing Customer satisfaction, Clivet S.p.A. has supplemented and certified its Quality, Environment and Safety Management Systems, in accordance with the ISO 9001, ISO 14001 and ISO 45001 International Standards.



Clivet is committed in promoting the green building principles and has become a member of GBC Italia. This organization collaborates with USGBC, the U.S. nonprofit organization that promotes worldwide the LEED® system of independent certification.



In 2015, Clivet became a partner of CasaClima. As a result, Clivet is now part of a network of companies renowned for their technical expertise and constant focus on sustainable home management.



Clivet-Midea Alliance, the world's best technology

A Group Company of



Thanks to the alliance with **Midea**, Clivet works closely with the **world's second largest producer of VRF** and the **world's number one exporter of air conditioning units**, which can boast:

- **20 years** of evolution of the VRF System;
- **7 generations** of product technology;
- More than **400 patents** related to VRF;
- More than **367.000 outdoor units sold** in 2018;
- More than **1 billion Euros in turnover** in 2018 for VRFs.

Clivet can therefore offer the **widest range of capacities on the market** (from 7 kW/2.5 HP to 255kW/90HP) with Full DC inverter technology for energy saving and maximum flexibility of application thanks to the extended connectable piping (up to a maximum of 1000m). These features provide significant benefits:

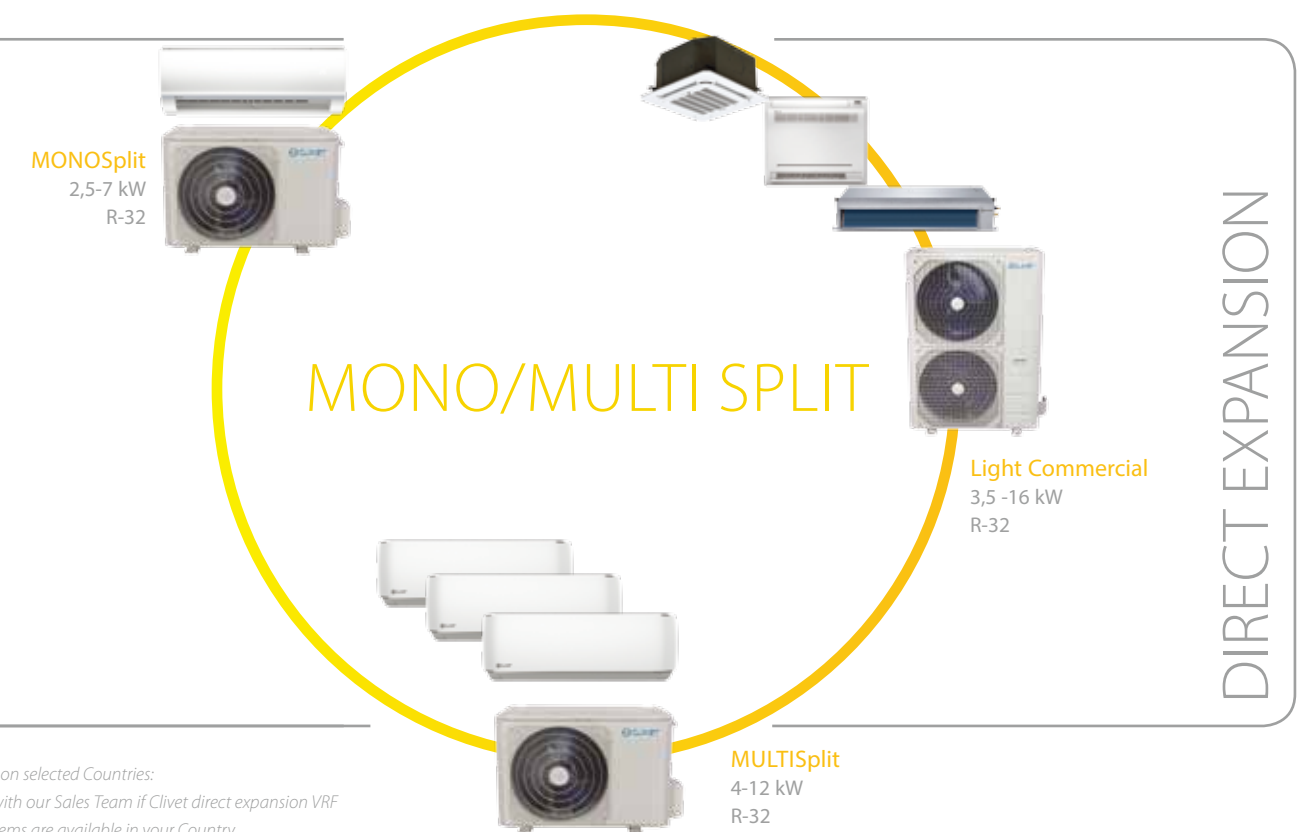
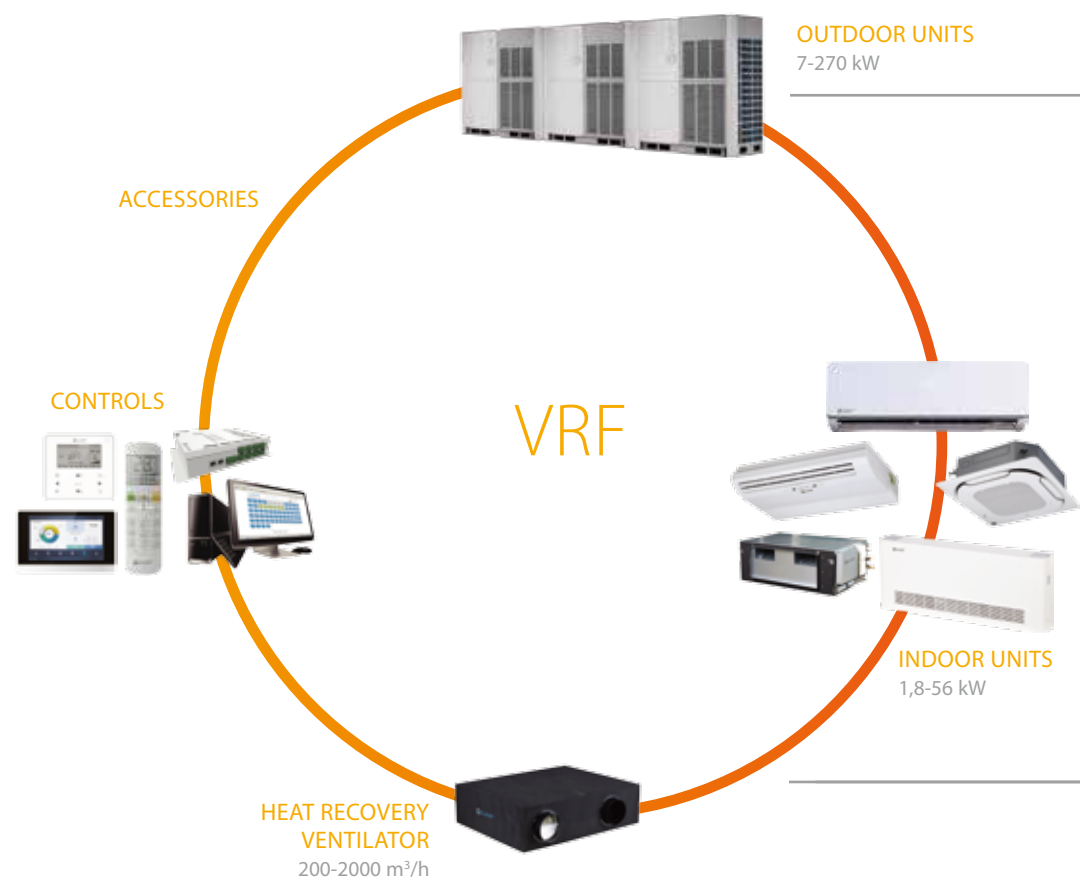
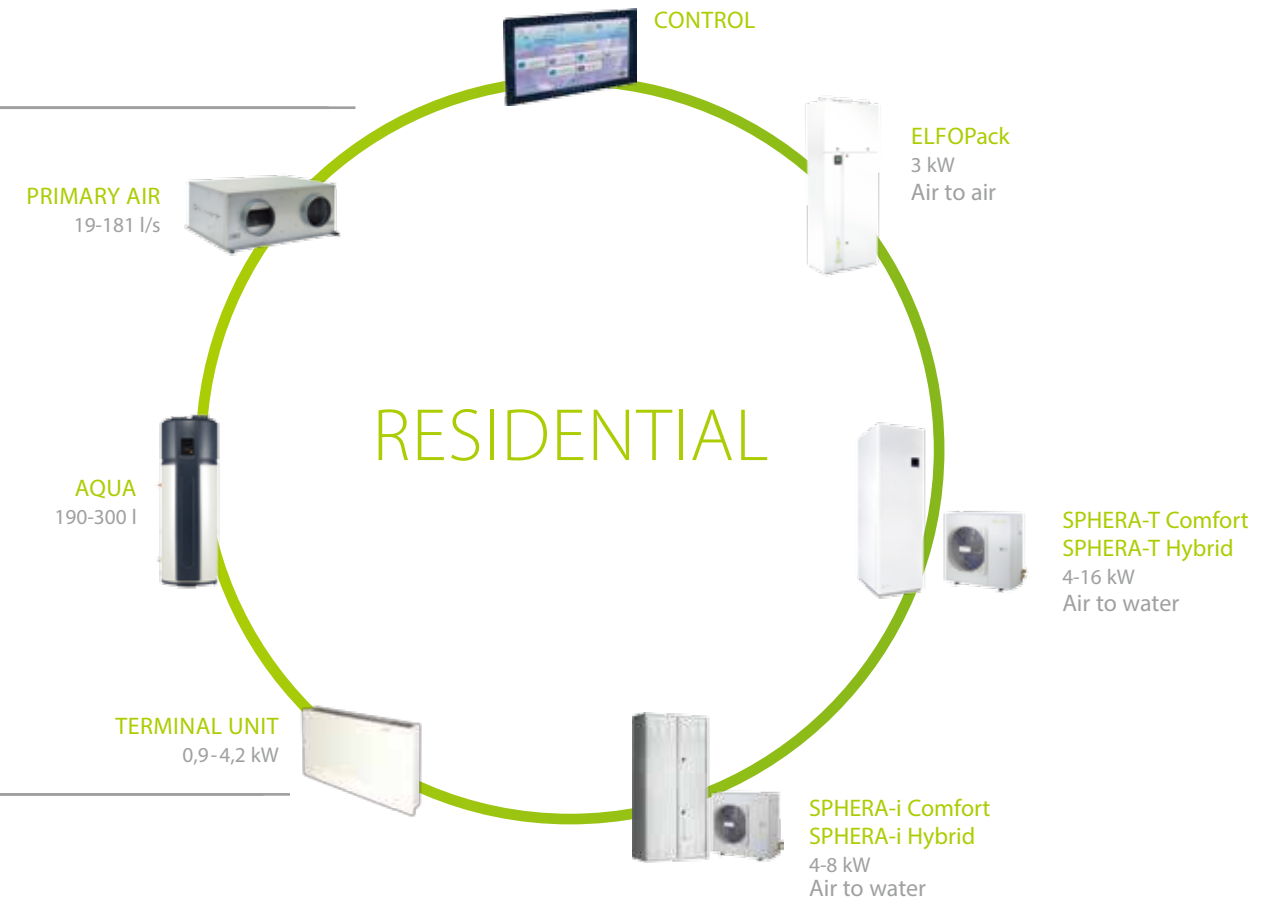
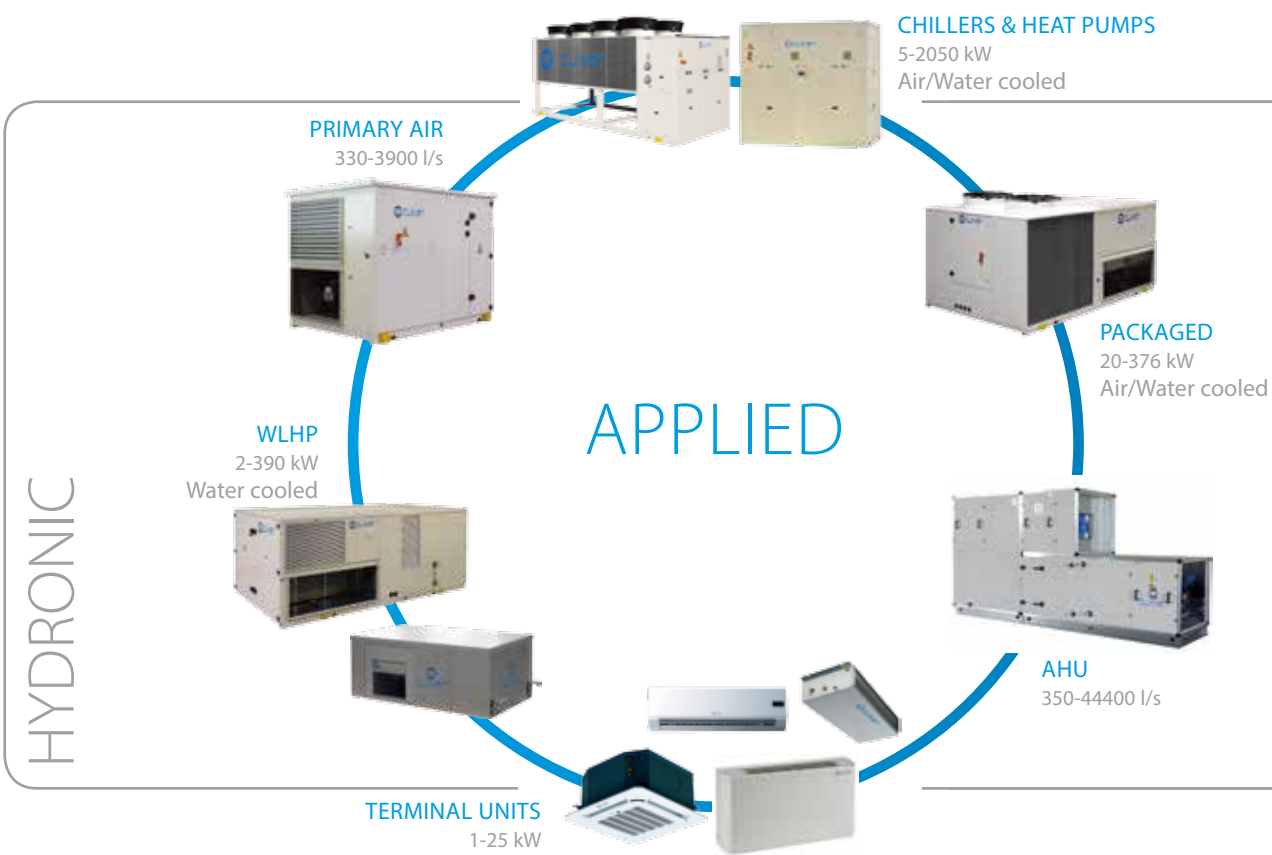
- **Reduction of time and costs.** Thanks to the simplified installation compared to traditional VRF systems, extra costs such as outdoor unit modules, additional piping, larger welds and longer installation times are eliminated;
- **Space saving.** The considerable capacity range reduces the overall dimensions by up to 25%.

All technologies for a complete proposal

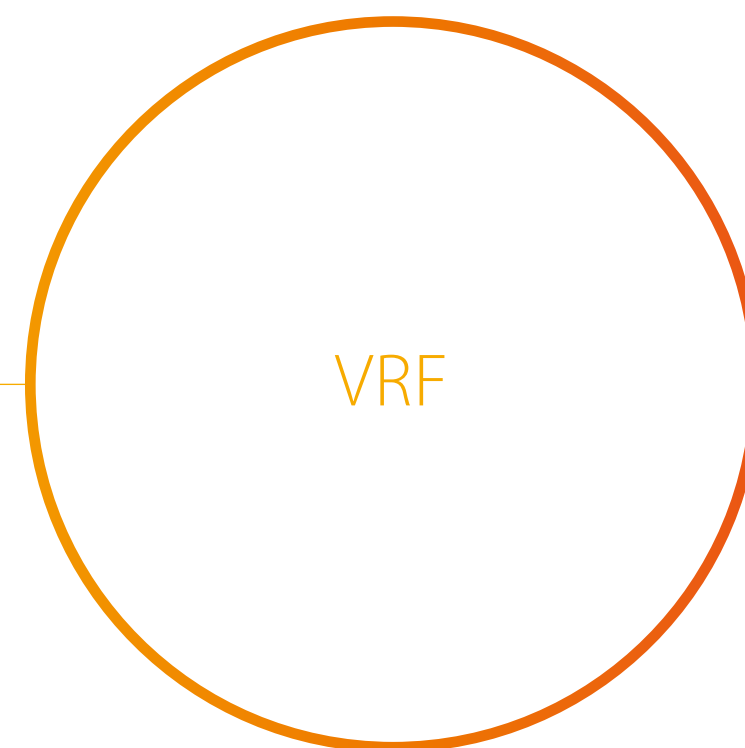
Heating, cooling, air renewal and domestic hot water production

CLIVET

CLIVET



Available only on selected Countries:
please check with our Sales Team if Clivet direct expansion VRF
and SPLIT Systems are available in your Country.



OUTDOOR Units - Product Lineup

HP		8	10	12	14	16	18	20	22	24	26	28	30	32	34	36	38	40	42											44	46	48	50	52	54	56	58	60	62	64	66	68	70	72	74	76	78	80	82	84	86	88	89	90	92	94	96																				
VRF CRV6	 Heat Pump 																																																																												
VRF CRV6i	 Heat Pump 																																																																												
VRF CRVC	 Cooling Only 																																																																												

Multi combination Single unit



VRF CRV6 / CRV6i

High efficiency heat pump outdoor units

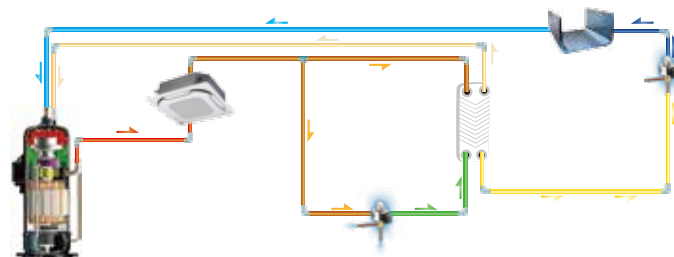
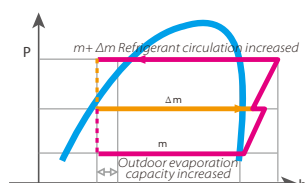
3 Unique Innovations

EVI (ENHANCED VAPOR INJECTION) COMPRESSOR

Thanks to the vapor injection DC inverter compressor, the CRV6 / CRV6i series can run heating mode stably down to -25°C, furthermore strongly increasing the heating capacity especially at low ambient temperature. Compressor is designed to run at 10% modulation minimum, highly improving system efficiency at part load operation.



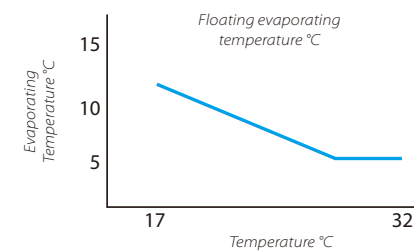
Vapor injection
DC inverter compressor



EMS (ENERGY MANAGEMENT SYSTEM)

Floating refrigerant temperature for balancing comfort and efficiency

The evaporating temperature (in cooling) and condensing temperature (in heating) are automatically adjusted according to both indoor and outdoor temperature to maximize the comfort and energy efficiency.



MR. DOCTOR

Force cooling /heating commissioning: Force cooling or force heating operation can check the system comprehensively and quickly.

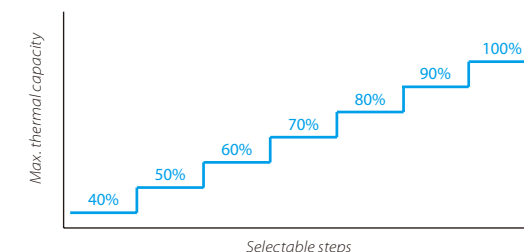
Self-diagnosis: All new diagnosis software to monitor all operating parameters and detailed information.

Automatic data backup: Automatic data backup of last 30 minute's operation record.

Auxiliary PCB for quick access: placed on side column of the unit, it provides easy access to LED display and main settings without removing the front panel

Capacity output limitation for shortage of electricity

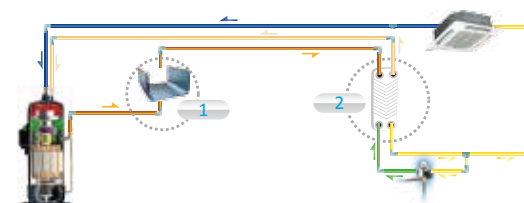
With the integration of EMS, for projects with limited electricity supply, CRV6 / CRV6i can be set to output 40-100% capacity.



High Efficiency

PHE (PLATE HEAT EXCHANGER) SUBCOOLING

Plate Heat Exchanger as a secondary intercooler boosts up refrigerant subcooling and improves 10% energy efficiency.



HIGH EFFICIENCY G-TYPE HEAT EXCHANGER

24-32HP units use high efficiency 3-rows G-type heat exchanger which heat exchange area is 1,5 times than 22HP unit. The 24-32HP units also use super big size fan which diameter is up to 750mm.

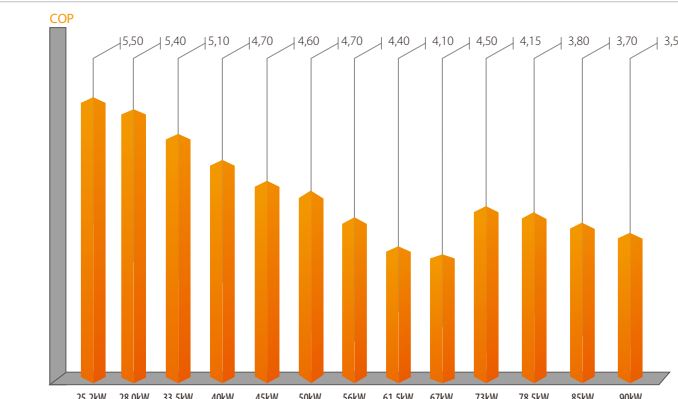
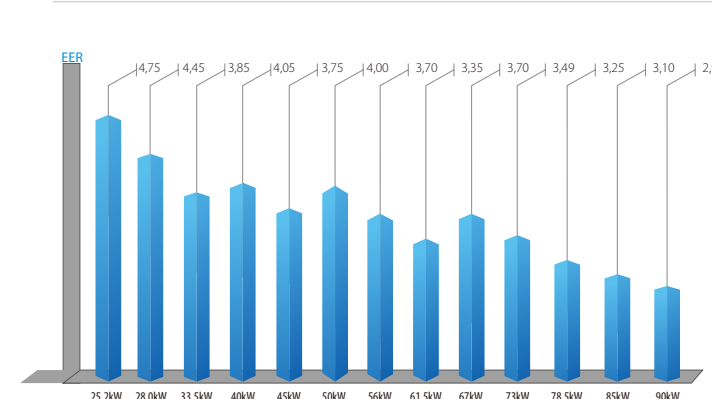


3-rows G-type heat exchanger



Super big size fan

HIGH EER AND COP VALUES

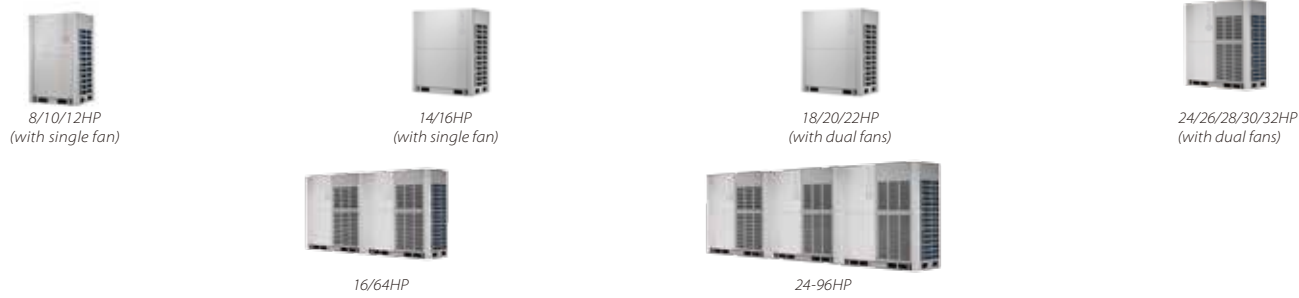


Wide Application Range

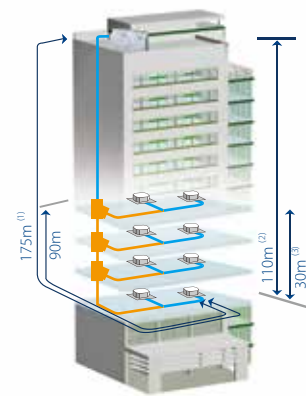
WIDE CAPACITY RANGE

The whole lineup of VRF CRV6 is from 8HP to 96HP in 2HP increasement with the world's largest single refrigerant system capacity up to 96HP.The lineup of VRF CRV6i is from 8HP to 32HP in 2HP increasement, which is the world's largest single VRF unit capacity.

*CRV6i can not be combined.



LONG PIPING CAPABILITY



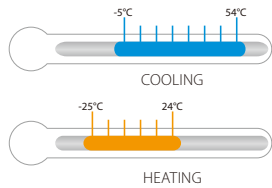
Piping length	Capability
Total piping length	1000m
Longest length - actual (equivalent)	175m (200m)
Longest length after first branch	90m*
Largest height difference between indoor and outdoor units - ODU up (down)	90m (110m)
Largest height difference between indoor units	30m

* The longest length after first branch is 40m as standard but can be extended to up to 90m under certain conditions. Please refer to technical manual for further information.

(1) Longest actual piping length
(2) Level difference between indoor units and outdoor units
(3) Level difference between indoor units

WIDE OPERATION RANGE

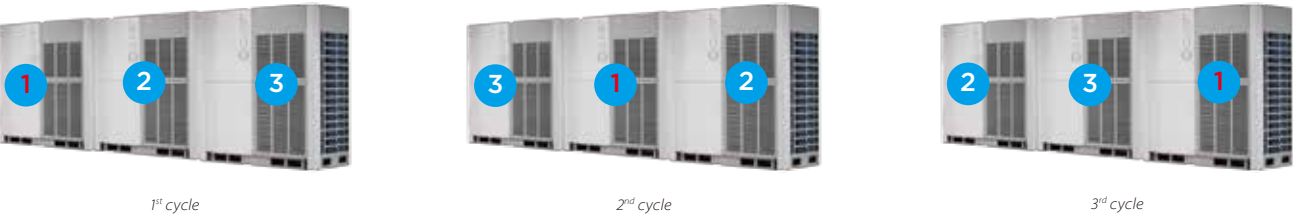
VRF CRV6 / CRV6i can operate in a wide ambient temperature range. It can operate stably from -5°C up to 54°C in cooling mode and from -25°C to 24°C in heating mode.



High Reliability

DUTY CYCLING

Duty cycling equalizes the running time of the outdoor units in a multiple-unit system and of the compressors in each unit, significantly extending compressor lifespan.

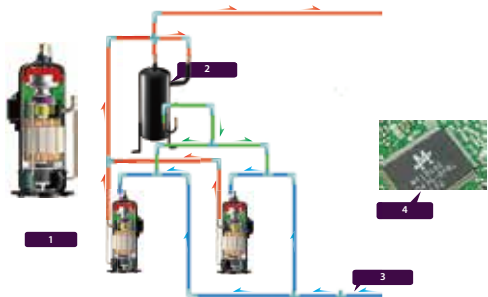


*Duty cycling is only available for VRF CRV6.

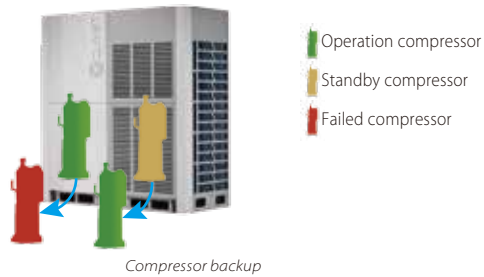
PRECISE OIL CONTROL TECHNOLOGY

Four stages of oil control technology ensure all outdoor compressor oil is always kept at a safe level, eliminating any compressor oil shortage problems.

1. Compressor internal oil separation.
2. High-efficiency centrifugal oil separator (with separation efficiency of up to 99%) ensures that oil is separated from the discharge gas and returned to the compressors in a timely fashion.
3. Oil balance pipes between compressors ensure even oil distribution to keep compressors running normally.
4. Auto oil return program monitors the running time and system status to ensure reliable oil return.



BACKUP OPERATION



In one unit with two compressors, if one compressor is failed, the other compressor can be backup instead of the failed one to maintain up to 4 days interim capacity, allowing time for maintenance or repair while comfort remains guaranteed.

In a multi-unit system, if one module fails, the other modules provide backup so that the system can continue operating.

ANTI-CORROSION PROTECTION

Outdoor units are given anti-corrosion treatment for non-extreme conditions as standard and can also be customized with heavy anti-corrosion treatment on main components for surface protection against corrosive air, acid rain and saline air (for installations in coastal regions) to extend overall useful life. The integrity of the anti-corrosion treatment is ensured by subjecting major components and parts to salt mist testing, moisture and heating testing and light aging testing.

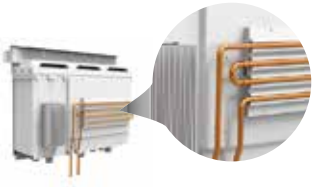
Please contact your local dealer for further information about customization price and availability

- Fan motor
- Painted sheet metal
- Screws / Bolts / Gaskets
- Heat exchanger aluminum foil
- Heat exchanger copper pipe
- Electric Control Box Case



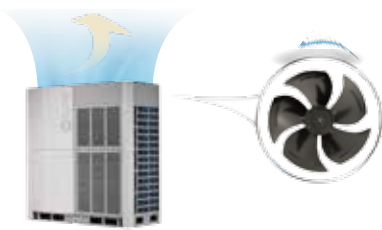
REFRIGERANT COOLING PCB

The CRV6 / CRV6i series uses refrigerant cooling technology to cool the electric control box. It decreases the average temperature of electrical control components by about 8 degrees, guaranteeing the stable and safe running of the control system.



AUTO SNOW-BLOWING FUNCTION

The innovatively designed auto snow-blowing function enables the outdoor unit to prevent the accumulation of snow by itself.



DUST-CLEAN FUNCTION

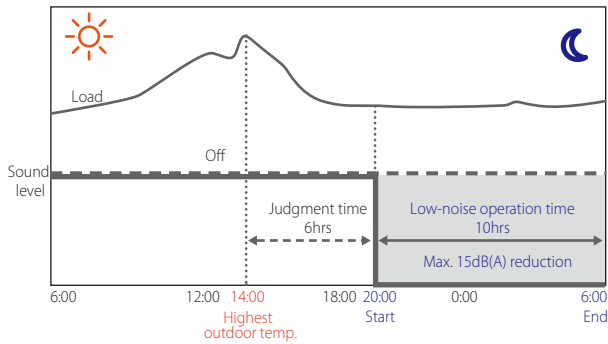
The innovatively designed dust-clean function enables the outdoor unit to prevent the dust by itself.



Enhanced Comfort

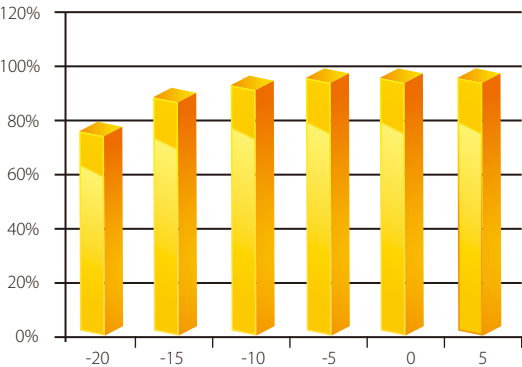
NIGHT SILENT MODE

The night silent mode feature includes various scheduling options that can be used to reduce noise levels at times when low noise operation is required.



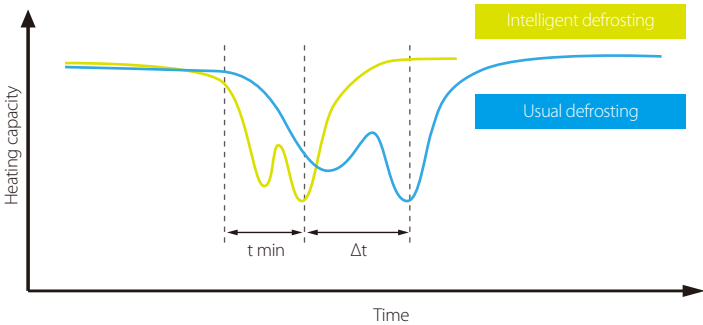
Enhanced Heating Capacity

Thanks to the vapour injection DC Inverter compressors, heating capacity can achieve 100% output when the ambient temperature is down to -5°C and 90% output when ambient temperature is down to -15°C.



Intelligent Defrosting Technology

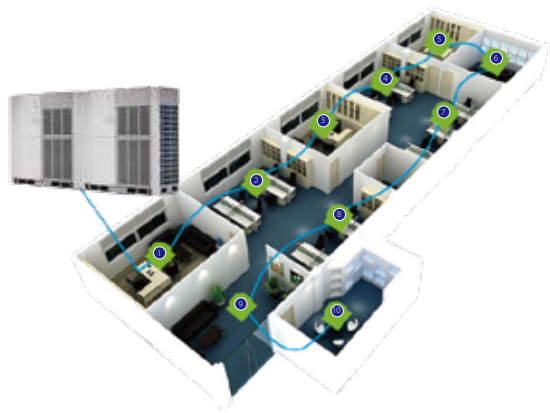
The intelligent defrosting program calculates the time required for defrosting according to the actual system status, eliminating heat losses from unnecessary defrosting. A specialized defrosting valve reduces time required for defrosting to as little as four minutes.



Easy Installation and Service

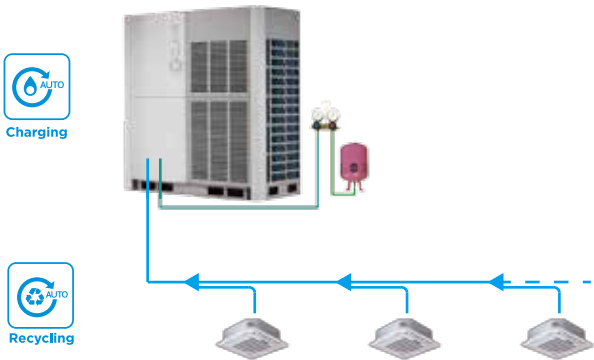
AUTO ADDRESSING

Outdoor unit can distribute addresses to indoor units automatically. Remote and wired controllers can be used to query or modify each indoor unit's address.



Automatic Refrigerant Charging/Recycling Function*

Automatic refrigerant charging and recycling function make the installation and service easier and more efficient.
*This function needs to be customized.



technical data

CRV6
380V, 3N, 50(60)Hz

Capacity		HP	8	10	12	14
Model			CRV6-XMi 252T	CRV6-XMi 280T	CRV6-XMi 335T	CRV6-XMi 400T
Power supply		V/N/Hz	380-415/3/50(60)			
Cooling ¹	Capacity	kW	25.2	28.0	33.5	40.0
		kBtu/h	86.0	95.5	114.3	136.5
	Power input	kW	5.3	6.3	8.7	9.9
Heating ² (Rated)	EER	kW/kW	4.75	4.45	3.85	4.05
	Capacity	kW	25.2	28.0	33.5	40.0
		kBtu/h	86.0	95.5	114.3	136.5
Heating ² (Max)	Power input	kW	4.6	5.2	6.6	8.5
	COP	kW/kW	5.50	5.40	5.10	4.70
	Capacity	kW	27.0	31.5	37.5	45.0
Connectable		kBtu/h	92.1	107.5	128.0	153.5
	Power input	kW	5.16	6.10	7.88	10.27
	COP	kW/kW	5.23	5.16	4.76	4.38
Indoor Unit		Total capacity ³	50-130% of outdoor unit capacity			
Compressors		Max. quantity	13	16	20	23
Fan motors	Type		DC inverter			
	Quantity		1			
Refrigerant	Type		DC			
	Quantity		1			
Pipe connections	Max. ESP	Pa	20 default; 60 customization option			
	Type		R410A			
Airflow rate	Factory charge	kg	11			
	Liquid pipe	mm	Φ12.7			
Sound pressure level ⁴	Gas pipe	mm	Φ25.4			
Net dimensions (WxHxD)		m ³ /h	11000			
		dB(A)	58			
Packed dimensions (WxHxD)		mm	990×1635×790			
		mm	1090×1805×860			
Net weight		kg	227			
		kg	242			
Ambient temp. operating range	Cooling	°C	-5 to 54			
	Heating	°C	-25 to 24			

Capacity		HP	16	18	20	22
Model			CRV6-XMi 450T	CRV6-XMi 500T	CRV6-XMi 560T	CRV6-XMi 615T
Power supply		V/N/Hz	380-415/3/50(60)			
Cooling ¹	Capacity	kW	45.0	50.0	56.0	61.5
		kBtu/h	153.5	170.6	191.1	209.8
	Power input	kW	12.0	12.5	15.1	18.4
Heating ² (Rated)	EER	kW/kW	3.75	4.00	3.70	3.35
	Capacity	kW	45.0	50.0	56.0	61.5
		kBtu/h	153.5	170.6	191.1	209.8
Heating ² (Max)	Power input	kW	9.8	10.6	12.7	15.0
	COP	kW/kW	4.60	4.70	4.40	4.10
	Capacity	kW	50.0	56.0	63.0	69.0
Connectable		kBtu/h	170.6	191.1	215.0	235.4
	Power input	kW	11.76	12.84	15.29	17.78
	COP	kW/kW	4.25	4.36	4.12	3.88
Indoor Unit		Total capacity ³	50-130% of outdoor unit capacity			
Compressors		Max. quantity	26	29	33	36
Fan motors	Type		DC inverter			
	Quantity		2			
Refrigerant	Type		DC			
	Quantity		2			
Pipe connections	Max. ESP	Pa	20 default; 60 customization option			
	Type		R410A			
Airflow rate	Factory charge	kg	13		17	
	Liquid pipe	mm	Φ15.9		Φ19.1	
Sound pressure level ⁴	Gas pipe	mm	Φ31.8		Φ31.8	
Net dimensions (WxHxD)		m ³ /h	13000		17000	
		dB(A)	61	62	63	
Packed dimensions (WxHxD)		mm	1340×1635×850		1340×1635×825	
		mm			1405×1805×910	
Net weight		kg	277		348	
		kg	304		368	
Ambient temp. operating range	Cooling	°C	-5 to 54			
	Heating	°C	-25 to 24			

Notes
(1) Indoor temperature 27°C DB/19°C WB; Outdoor temperature 35°C DB/24°C WB. Interconnecting piping length is 7.5m, level difference is zero.
(2) Indoor temperature 20°C DB/15°C WB; Outdoor temperature 7°C DB/6°C WB. Interconnecting piping length is 7.5m, level difference is zero.
(3) Total Capacity Index = indoor unit total capacity/outdoor unit capacity
(4) Sound values are measured in a semi-anechoic room, at a position 1m in front of the unit and 1.3m above the floor.

technical data

CRV6
380V, 3N, 50(60)Hz

Capacity			HP	24	26	28
Model				CRV6-XMi 670T	CRV6-XMi 730T	CRV6-XMi 785T
Power supply			V/N/Hz	380-415/3/50(60)		
Cooling¹	Capacity	kW	67.0	73.0	78.5	
		kBtu/h	228.6	249.1	267.8	
	Power input	kW	18.1	20.9	24.2	
	EER	kW/kW	3.70	3.49	3.25	
Heating² (Rated)	Capacity	kW	67.0	73.0	78.5	
		kBtu/h	228.6	249.1	267.8	
	Power input	kW	14.9	17.6	20.7	
	COP	kW/kW	4.50	4.15	3.80	
Heating² (Max)	Capacity	kW	75.0	81.5	87.5	
		kBtu/h	255.9	278.1	298.6	
	Power input	kW	18.07	21.01	24.44	
	COP	kW/kW	4.15	3.88	3.58	
Connectable	Total capacity³		50-130% of outdoor unit capacity			
Indoor Unit	Max. quantity		39	43	46	
Compressors	Type		DC inverter			
	Quantity		2			
Fan motors	Type		DC			
	Quantity		2			
	Max. ESP	Pa	20 default; 60 customization option			
Refrigerant	Type		R410A			
	Factory charge	kg	22			
Pipe	Liquid pipe	mm	Φ19.1	Φ22.2		
connections	Gas pipe	mm	Φ31.8	Φ31.8		
Airflow rate		m³/h	25000			
Sound pressure level⁴		dB(A)	64			
Net dimensions (WxHxD)		mm	1730 × 1830 × 850			
Packed dimensions (WxHxD)		mm	1800x2000x910			
Net weight		kg	430			
Gross weight		kg	453			
Ambient temp.	Cooling	°C	-5 to 54			
operating range	Heating	°C	-25 to 24			

Capacity		HP	30	32
Model			CRV6-XMi 850T	
Power supply		V/N/Hz	380-415/3/50(60)	
Cooling¹	Capacity	kW	85.0	90.0
		kBtu/h	290.0	307.1
	Power input	kW	27.4	31.0
	EER	kW/kW	3.10	2.90
Heating² (Rated)	Capacity	kW	85.0	90.0
		kBtu/h	290.0	307.1
	Power input	kW	23.0	25.7
	COP	kW/kW	3.70	3.50
Heating² (Max)	Capacity	kW	95.0	100.0
		kBtu/h	324.1	341.2
	Power input	kW	27.78	30.67
	COP	kW/kW	3.42	3.26
Connectable	Total capacity³		50-130% of outdoor unit capacity	
Indoor Unit	Max. quantity		50	53
Compressors	Type		DC inverter	
	Quantity		2	
Fan motors	Type		DC	
	Quantity		2	
	Max. ESP	Pa	20 default; 60 customization option	
Refrigerant	Type		R410A	
	Factory charge	kg	25	
Pipe	Liquid pipe	mm	Φ22.2	
connections	Gas pipe	mm	Φ38.1	
Airflow rate		m³/h	24000	
Sound pressure level⁴		dB(A)	64	
Net dimensions (WxHxD)		mm	1730 × 1830 × 850	
Packed dimensions (WxHxD)		mm	1800×2000×910	
Net weight		kg	475	
Gross weight		kg	507	
Ambient temp.	Cooling	°C	-5 to 54	
operating range	Heating	°C	-25 to 24	

- Notes
- (1) Indoor temperature 27°C DB/19°C WB; Outdoor temperature 35°C DB/24°C WB. Interconnecting piping length is 7,5m, level difference is zero.

(2) Indoor temperature 20°C DB/15°C WB; Outdoor temperature 7°C DB/6°C WB. Interconnecting piping length is 7,5m, level difference is zero.

(3) Total Capacity Index = indoor unit total capacity/outdoor unit capacity

(4) Sound values are measured in a semi-anechoic room, at a position 1m in front of the unit and 1,3m above the floor.

technical data

CRV6
380V, 3N, 50(60)Hz

Capacity			HP	34	36	38	40
Model				CRV6-XMi 950T	CRV6-XMi 1015T	CRV6-XMi 1065T	CRV6-XMi 1120T
Combination type				12HP+22HP	14HP+22HP	16HP+22HP	12HP+28HP
Power supply			V/N/Hz	380-415/3/50(60)			
Cooling¹	Capacity	kW	95.0	101.5	106.5	112.0	
		kBtu/h	324.1	346.3	363.4	382.1	
	Power input	kW	27.1	28.2	30.4	32.9	
	EER	kW/kW	3.51	3.59	3.51	3.41	
Heating² (Rated)	Capacity	kW	95.0	101.5	106.5	112.0	
		kBtu/h	324.1	346.3	363.4	382.1	
	Power input	kW	21.6	23.5	24.8	27.2	
	COP	kW/kW	4.40	4.32	4.30	4.11	
Heating² (Max)	Capacity	kW	106.5	114.0	119.0	125.0	
		kBtu/h	363.4	389.0	406.0	426.5	
	Power input	kW	25.66	28.06	29.55	32.32	
	COP	kW/kW	4.15	4.06	4.03	3.87	
Connectable	Total capacity³		50-130% of outdoor unit capacity				
Indoor Unit	Max. quantity		56	59	63	64	
Compressors	Type		DC inverter				
	Quantity		3				
Fan motors	Type		DC				
	Quantity		3				
	Max. ESP	Pa	20 default; 60 customization option				
Refrigerant	Type		R410A				
	Factory charge	kg	11+17	13+17		11+22	
Pipe	Liquid pipe	mm	Φ19.1	Φ19.1			
connections	Gas pipe	mm	Φ31.8	Φ38.1			
Airflow rate		m³/h	28000	30000		36000	
Sound pressure level⁴		dB(A)	65				
Net dimensions (WxHxD)		mm	(990×1635×790)+(1340×1635×825)	(1340×1635×850)+(1340×1635×825)		(990×1635×790)+(1730×1830×850)	
Packed dimensions (WxHxD)		mm	(1090×1805×860)+(1405×1805×910)	(1405×1805×910)×2		(1090×1805×860)+(1800×2000×910)	
Net weight		kg	227+348	277+348		227+430	
Gross weight		kg	242+368	304+368		242+453	
Ambient temp. operating range	Cooling	°C	-5 to 54				
	Heating	°C	-25 to 24				

Capacity			HP	42	44	46	48
Model				CRV6-XMI 1175T	CRV6-XMI 1230T	CRV6-XMI 1285T	CRV6-XMI 1345T
Combination type				20HP+22HP	22HP+22HP	22HP+24HP	22HP+26HP
Power supply			V/N/Hz	380-415/3/50(60)			
Cooling ¹	Capacity	kW	117.5	123.0	128.5	134.5	
		kBtu/h	400.9	419.7	438.4	458.9	
	Power input	kW	33.5	36.7	36.5	39.3	
	EER	kW/kW	3.51	3.35	3.52	3.43	
Heating ² (Rated)	Capacity	kW	117.5	123.0	128.5	134.5	
		kBtu/h	400.9	419.7	438.4	458.9	
	Power input	kW	27.7	30.0	29.9	32.6	
	COP	kW/kW	4.24	4.10	4.30	4.13	
Heating ² (Max)	Capacity	kW	132.0	138.0	144.0	150.5	
		kBtu/h	450.4	470.9	491.3	513.5	
	Power input	kW	33.07	35.57	35.86	38.79	
	COP	kW/kW	3.99	3.88	4.02	3.88	
Connectable	Total capacity ³		50-130% of outdoor unit capacity				
Indoor Unit	Max. quantity		64				
Compressors	Type		DC inverter				
	Quantity		4				
Fan motors	Type		DC				
	Quantity		4				
	Max. ESP	Pa	20 default; 60 customization option				
Refrigerant	Type		R410A				
	Factory charge	kg	17×2		17+22		
Pipe	Liquid pipe	mm	Ø19.1				
connections	Gas pipe	mm	Ø38.1				
Airflow rate		m ³ /h	34000			42000	
Sound pressure level ⁴		dB(A)	66				
Net dimensions (W×H×D)		mm	(1340×1635×825)×2			(1340×1635×825)+(1730×1830×850)	
Packed dimensions (W×H×D)		mm	(1405×1805×910)×2			(1405×1805×910)+(1800×2000×910)	
Net weight		kg	348×2			348+430	
Gross weight		kg	368×2			368+453	
Ambient temp.	Cooling	°C	-5 to 54				
operating range	Heating	°C	-25 to 24				

- Notes
- (1) Indoor temperature 27°C DB/19°C WB; Outdoor temperature 35°C DB/24°C WB. Interconnecting piping length is 7,5m, level difference is zero.

(2) Indoor temperature 20°C DB/15°C WB; Outdoor temperature 7°C DB/6°C WB. Interconnecting piping length is 7,5m, level difference is zero.

(3) Total Capacity Index = indoor unit total capacity/outdoor unit capacity

(4) Sound values are measured in a semi-anechoic room, at a position 1m in front of the unit and 1,3m above the floor.

technical data

CRV6
380V, 3N, 50(60)Hz

Capacity			HP	50	52	54	56
Model				CRV6-XMi 1400T	CRV6-XMi 1460T	CRV6-XMi 1515T	CRV6-XMi 1570T
Combination type				22HP+28HP	26HP+26HP	26HP+28HP	28HP+28HP
Power supply		V/N/Hz	380-415/3/50(60)				
Cooling ¹	Capacity	kW	140.0	146.0	151.5	157.0	
		kBtu/h	477.7	498.2	516.9	535.7	
	Power input	kW	42.5	41.8	45.1	48.3	
	EER	kW/kW	3.29	3.49	3.36	3.25	
Heating ² (Rated)	Capacity	kW	140.0	146.0	151.5	157.0	
		kBtu/h	477.7	498.2	516.9	535.7	
	Power input	kW	35.7	35.2	38.3	41.3	
	COP	kW/kW	3.93	4.15	3.96	3.80	
Heating ² (Max)	Capacity	kW	156.0	163.0	169.0	175.0	
		kBtu/h	534.0	556.2	576.6	597.1	
	Power input	kW	42.22	42.01	45.45	48.88	
	COP	kW/kW	3.71	3.88	3.72	3.58	
Connectable	Total capacity ³		50-130% of outdoor unit capacity				
Indoor Unit	Max. quantity		64				
Compressors	Type		DC inverter				
	Quantity		4				
Fan motors	Type		DC				
	Quantity		4				
	Max. ESP	Pa	20 default; 60 customization option				
Refrigerant	Type		R410A				
	Factory charge	kg	17+22	22×2			
Pipe	Liquid pipe	mm	Φ19.1				Φ19.1
connections	Gas pipe	mm	Φ38.1				Φ41.3
Airflow rate		m ³ /h	42000	50000			
Sound pressure level ⁴		dB(A)	66				
Net dimensions (WxHxD)		mm	(1340×1635×825)+(1730×1830×850)		(1730×1830×850)×2		
Packed dimensions (WxHxD)		mm	(1405×1805×910)+(1800×2000×910)		(1800×2000×910)×2		
Net weight		kg	348+430		430×2		
Gross weight		kg	368+453		453×2		
Ambient temp. operating range	Cooling	°C	-5 to 54				
	Heating	°C	-25 to 24				

Capacity			HP	58	60	62	64
Model				CRV6-XMi 1635T	CRV6-XMi 1685T	CRV6-XMi 1750T	CRV6-XMi 1800T
Combination type				28HP+30HP	28HP+32HP	30HP+32HP	32HP+32HP
Power supply		V/N/Hz	380-415/3/50(60)				
Cooling ¹	Capacity	kW	163.5	168.5	175.0	180.0	
		kBtu/h	557.9	574.9	597.1	614.2	
	Power input	kW	51.6	55.2	58.5	62.1	
	EER	kW/kW	3.17	3.05	2.99	2.90	
Heating ² (Rated)	Capacity	kW	163.5	168.5	175.0	180.0	
		kBtu/h	557.9	574.9	597.1	614.2	
	Power input	kW	43.6	46.4	48.7	51.4	
	COP	kW/kW	3.75	3.63	3.59	3.50	
Heating ² (Max)	Capacity	kW	182.5	187.5	195.0	200.0	
		kBtu/h	622.7	639.8	665.3	682.4	
	Power input	kW	52.22	55.12	58.45	61.35	
	COP	kW/kW	3.49	3.40	3.34	3.26	
Connectable	Total capacity ³		50-130% of outdoor unit capacity				
Indoor Unit	Max. quantity		64				
Compressors	Type		DC inverter				
	Quantity		4				
Fan motors	Type		DC				
	Quantity		4				
	Max. ESP	Pa	20 default; 60 customization option				
Refrigerant	Type		R410A				
	Factory charge	kg	22+25		25×2		
Pipe	Liquid pipe	mm	Φ19.1				
connections	Gas pipe	mm	Φ41.3				
Airflow rate		m ³ /h	49000		48000		
Sound pressure level ⁴		dB(A)	66				
Net dimensions (WxHxD)		mm	(1730×1830×850)×2				
Packed dimensions (WxHxD)		mm	(1800×2000×910)×2				
Net weight		kg	430+475		475×2		
Gross weight		kg	453+507		507×2		
Ambient temp.	Cooling	°C	-5 to 54				
operating range	Heating	°C	-25 to 24				

- Notes**

(1) Indoor temperature 27°C DB/19°C WB; Outdoor temperature 35°C DB/24°C WB. Interconnecting piping length is 7,5m, level difference is zero.

(2) Indoor temperature 20°C DB/15°C WB; Outdoor temperature 7°C DB/6°C WB. Interconnecting piping length is 7,5m, level difference is zero.
- (3) Total Capacity Index = indoor unit total capacity/outdoor unit capacity

(4) Sound values are measured in a semi-anechoic room, at a position 1m in front of the unit and 1,3m above the floor.

technical data

CRV6
380V, 3N, 50(60)Hz

Capacity			HP	66	68	70	72
Model				CRV6-XMi 1850T	CRV6-XMi 1915T	CRV6-XMi 1965T	CRV6-XMi 2020T
Combination type				12HP+22HP+32HP	14HP+22HP+32HP	16HP+22HP+32HP	12HP+28HP+32HP
Power supply			V/N/Hz	380-415/3/50(60)			
Cooling ¹	Capacity	kW	185.0	191.5	196.5	202.0	
		kBtu/h	631.2	653.4	670.5	689.2	
	Power input	kW	58.1	59.3	61.4	63.9	
		EER	kW/kW	3.18	3.23	3.20	3.16
Heating ² (Rated)	Capacity	kW	185.0	191.5	196.5	202.0	
		kBtu/h	631.2	653.4	670.5	689.2	
	Power input	kW	47.3	49.2	50.5	52.9	
		COP	kW/kW	3.91	3.89	3.89	3.82
Heating ² (Max)	Capacity	kW	206.5	214.0	219.0	225.0	
		kBtu/h	704.6	730.2	747.2	767.7	
	Power input	kW	56.34	58.73	60.22	62.99	
		COP	kW/kW	3.67	3.64	3.64	3.57
Connectable	Total capacity ³		50-130% of outdoor unit capacity				
Indoor Unit	Max. quantity		64				
Compressors	Type		DC inverter				
	Quantity		5				
Fan motors	Type		DC				
	Quantity		5				
	Max. ESP	Pa	20 default; 60 customization option				
Refrigerant	Type		R410A				
	Factory charge	kg	11+17+25	13+17+25		11+22+25	
Pipe	Liquid pipe	mm	Φ19.1	Φ22.2			
connections	Gas pipe	mm	Φ41.3	Φ44.5			
Airflow rate			m ³ /h	52000		54000	60000
Sound pressure level ⁴			dB(A)	67			
Net dimensions (WxHxD)			mm	(990×1635×790)+(1340×1635×825)+(1730×1830×850)		(1340×1635×850)+(1340×1635×825)+(1730×1830×850)	
Packed dimensions (WxHxD)			mm	(1090×1805×860)+(1405×1805×910)+(1800×2000×910)		(1405×1805×910)×2+(1800×2000×910)	
Net weight			kg	227+348+475		277+348+475	
Gross weight			kg	242+368+507		304+368+507	
Ambient temp. operating range	Cooling	°C	-5 to 54				
	Heating	°C	-25 to 24				

Capacity			HP	74	76	78	80
Model				CRV6-XMi 2075T	CRV6-XMi 2130T	CRV6-XMi 2185T	CRV6-XMi 2245T
Combination type				20HP+22HP+32HP	22HP+22HP+32HP	22HP+24HP+32HP	22HP+26HP+32HP
Power supply			V/N/Hz	380-415/3/50(60)			
Cooling ¹	Capacity	kW	207.5	213.0	218.5	224.5	
		kBtu/h	708.0	726.8	745.5	766.0	
	Power input	kW	64.5	67.8	67.5	70.3	
	EER	kW/kW	3.22	3.14	3.24	3.19	
Heating ² (Rated)	Capacity	kW	207.5	213.0	218.5	224.5	
		kBtu/h	708.0	726.8	745.5	766.0	
	Power input	kW	53.4	55.7	55.6	58.3	
	COP	kW/kW	3.88	3.82	3.93	3.85	
Heating ² (Max)	Capacity	kW	232.0	238.0	244.0	250.5	
		kBtu/h	791.6	812.1	832.5	854.7	
	Power input	kW	63.75	66.24	66.53	69.46	
	COP	kW/kW	3.64	3.59	3.67	3.61	
Connectable	Total capacity ³		50-130% of outdoor unit capacity				
Indoor Unit	Max. quantity		64				
Compressors	Type		DC inverter				
	Quantity		6				
Fan motors	Type		DC				
	Quantity		6				
	Max. ESP	Pa	20 default; 60 customization option				
Refrigerant	Type		R410A				
Pipe	Factory charge	kg	17×2+25		17+22+25		
	Liquid pipe	mm	Φ22.2				
connections	Gas pipe	mm	Φ44.5				
Airflow rate		m ³ /h	58000		66000		
Sound pressure level ⁴		dB(A)	68				
Net dimensions (W×H×D)		mm	(1340×1635×825)×2+(1730×1830×850)			(1340×1635×825)+(1730×1830×850)×2	
Packed dimensions (W×H×D)		mm	(1405×1805×910)×2+(1800×2000×910)			(1405×1805×910)+(1800×2000×910)×2	
Net weight		kg	348×2+475			348+430+475	
Gross weight		kg	368×2+507			368+453+507	
Ambient temp. operating range	Cooling	°C	-5 to 54				
	Heating	°C	-25 to 24				

technical data

CRV6
380V, 3N, 50(60)Hz

Capacity			HP	82	84	86	88
Model				CRV6-XMi 2300T	CRV6-XMi 2360T	CRV6-XMi 2415T	CRV6-XMi 2470T
Combination type				22HP+28HP+32HP	26HP+26HP+32HP	26HP+28HP+32HP	28HP+28HP+32HP
Power supply			V/N/Hz	380-415/3/50(60)			
Cooling ¹	Capacity		kW	230.0	236.0	241.5	247.0
			kBtu/h	784.8	805.2	824.0	842.8
	Power input		kW	73.5	72.8	76.1	79.3
	EER		kW/kW	3.13	3.24	3.17	3.11
Heating ² (Rated)	Capacity		kW	230.0	236.0	241.5	247.0
			kBtu/h	784.8	805.2	824.0	842.8
	Power input		kW	61.4	60.9	64.0	67.0
	COP		kW/kW	3.75	3.87	3.78	3.68
Heating ² (Max)	Capacity		kW	256.5	263.0	269.0	275.0
			kBtu/h	875.2	897.4	917.8	938.3
	Power input		kW	72.90	72.69	76.12	79.56
	COP		kW/kW	3.52	3.62	3.53	3.46
Connectable	Total capacity ³		50-130% of outdoor unit capacity				
Indoor Unit	Max. quantity		64				
	Type		DC inverter				
	Quantity		6				
Compressors	Type		DC				
	Quantity		6				
	Max. ESP	Pa	20 default; 60 customization option				
Fan motors	Type		R410A				
	Factory charge		kg	17+22+25	22x2+25		
Pipe connections	Liquid pipe	mm	Φ22.2			Φ25.4	
	Gas pipe	mm	Φ44.5			Φ50.8	
Airflow rate		m ³ /h	66000			74000	
Sound pressure level ⁴		dB(A)	68				
Net dimensions (WxHxD)		mm	(1340×1635×825)+(1730×1830×850)×2			(1730×1830×850)×3	
Packed dimensions (WxHxD)		mm	(1405×1805×910)+(1800×2000×910)×2			(1800×2000×910)×3	
Net weight		kg	348+430+475			430x2+475	
Gross weight		kg	368+453+507			453x2+507	
Ambient temp. operating range	Cooling	°C	-5 to 54				
	Heating	°C	-25 to 24				

Capacity			HP	90	92	94	96
Model				CRV6-XMi 2535T	CRV6-XMi 2585T	CRV6-XMi 2650T	CRV6-XMi 2700T
Combination type				28HP+30HP+32HP	28HP+32HP+32HP	30HP+32HP+32HP	32HP+32HP+32HP
Power supply			V/N/Hz	380-415/3/50(60)			
Cooling ¹	Capacity		kW	253.5	258.5	265.0	270.0
			kBtu/h	864.9	882.0	904.2	921.2
	Power input		kW	82.6	86.2	89.5	93.1
			kW/kW	3.07	3.00	2.96	2.90
Heating ² (Rated)	Capacity		kW	253.5	258.5	265.0	270.0
			kBtu/h	864.9	882.0	904.2	921.2
	Power input		kW	69.3	72.1	74.4	77.1
			kW/kW	3.66	3.59	3.56	3.50
Heating ² (Max)	Capacity		kW	282.5	287.5	295.0	300.0
			kBtu/h	963.9	981.0	1006.5	1023.6
	Power input		kW	82.89	85.79	89.13	92.02
			kW/kW	3.41	3.35	3.31	3.26
Connectable Indoor Unit	Total capacity ³		50-130% of outdoor unit capacity				
	Max. quantity		64				
Compressors	Type		DC inverter				
	Quantity		6				
Fan motors	Type		DC				
	Quantity		6				
	Max. ESP	Pa	20 default; 60 customization option				
Refrigerant	Type		R410A				
	Factory charge	kg	22+25×2		25+25×2		
Pipe connections	Liquid pipe	mm	Φ25.4				
	Gas pipe	mm	Φ50.8				
Airflow rate		m ³ /h	73000		72000		
Sound pressure level ⁴		dB(A)	68				
Net dimensions (WxHxD)		mm	(1730×1830×850)×3				
Packed dimensions (WxHxD)		mm	(1800×2000×910)×3				
Net weight		kg	430+475×2				475×3
Gross weight		kg	453+507×2				507×3
Ambient temp. operating range	Cooling	°C	-5 to 54				
	Heating	°C	-25 to 24				

- Notes
- (1) Indoor temperature 27°C DB/19°C WB; Outdoor temperature 35°C DB/24°C WB. Interconnecting piping length is 7,5m, level difference is zero.

(2) Indoor temperature 20°C DB/15°C WB; Outdoor temperature 7°C DB/6°C WB. Interconnecting piping length is 7,5m, level difference is zero.

(3) Total Capacity Index = indoor unit total capacity/outdoor unit capacity

(4) Sound values are measured in a semi-anechoic room, at a position 1m in front of the unit and 1,3m above the floor.

technical data

CRV6
220V, 3Ph, 50(60)Hz - Independent Unit

HP			8	10	12	14	16
Model name			CRV6-XMi 252W	CRV6-XMi 280W	CRV6-XMi 335W	CRV6-XMi 400W	CRV6-XMi 450W
Power supply		V/Ph/Hz	220/3/60				
Cooling ¹	Capacity	kW	25.2	28.0	33.5	40.0	45.0
		kBtu/h	86.0	95.5	114.3	136.5	153.5
	Power input (ISO)	kW	4.80	5.70	7.08	8.70	10.27
	EER (ISO)	kW/kW	5.25	4.91	4.73	4.60	4.38
	IEER (ISO)	kW/kW	9.70	9.09	8.75	8.51	8.12
Heating ² (Rated)	Capacity	kW	25.2	28.0	33.5	40.0	45.0
		kBtu/h	86.0	95.5	114.3	136.5	153.5
	Power input (ISO)	kW	4.56	5.12	6.65	8.47	9.62
	COP (ISO)		5.53	5.47	5.04	4.72	4.68
Heating ² (Max)	Capacity	kW	27.0	31.5	37.5	45.0	50.0
		kBtu/h	92.1	107.5	128.0	153.5	170.6
	Power input (ISO)	kW	5.13	6.03	7.97	10.23	11.56
	COP (ISO)		5.26	5.23	4.70	4.40	4.32
Connected indoor unit	Total capacity ³		50-130% of outdoor unit capacity				
	Maximum quantity		13	16	20	23	26
Compressor	Type		DC inverter				
	Quantity		1				
	Oil type		FV68H				
	Start-up method		Soft start				
Fan	Type		Propeller				
	Motor type		DC				
	Quantity		1			2	
	Motor output	kW	0.56			0.56×2	
	Static pressure	Pa (in.wg.)	0-20 (0-0.08) default; 20-60 (0.08-0.24) customized				
	Airflow rate	m³/h (CFM)	11000 (6471)			14000 (8235)	
	Drive type		Direct				
Refrigerant	Type		R410A				
	Factory charge	kg (lbs)	11 (24.2)			13 (28.6)	
Pipe connections	Liquid pipe	mm (inch)	Φ12.7 (Φ1/2)	Φ12.7 (Φ1/2)	Φ15.9 (Φ5/8)	Φ15.9 (Φ5/8)	Φ15.9 (Φ5/8)
	Gas pipe	mm (inch)	Φ25.4 (Φ1)	Φ25.4 (Φ1)	Φ28.6 (Φ1-1/8)	Φ31.8 (Φ1-1/4)	Φ31.8 (Φ1-1/4)
Sound pressure level ⁴		dB(A)	58	58	60	60	61
Net dimensions (WxHxD)		mm	990×1635×790			1340×1635×825	
		inch	39×64-3/8×31-1/8			52-3/4×64-3/8×32-1/2	
Packed dimensions (WxHxD)		mm	1090×1805×860			1405×1805×910	
		inch	42-15/16×71-1/16×33-7/8			55-5/16×71-1/16×35-13/16	
Net weight		kg	227			284	
		lbs	499			625	
Gross weight		kg	248			311	
		lbs	546			684	
Ambient temp. operation range	Cooling	°C (°F)	-5 to 54 (23 to 129)				
	Heating	°C (°F)	-25 to 24 (-13 to 75)				

- Notes
- (1) Indoor temperature 27°C(80,6°F) DB/19°C(66,2°F) WB; Outdoor temperature 35°C(95°F) DB/24°C(75,2°F) WB. Interconnecting piping length is 7,5m (24,6ft.), level difference is zero.

(2) Indoor temperature 20° C(68° F) DB/15° C(59° F) WB; Outdoor temperature 7° C(44,6° F) DB/6° C(42,8° F) WB. Interconnecting piping length is 7,5m (24,6ft), level difference is zero.

(3) Total Capacity Index = indoor unit total capacity/outdoor unit capacity.

(4) Sound values are measured in a semi-anechoic room, at a position 1m(3,28ft.) in front of the unit and 1,3m(4,26ft.) above the floor.

technical data

CRV6
220V, 3Ph, 50(60)Hz - Independent Unit

HP			18	20	22	24	26	28
Model name			CRV6-XMi 500W	CRV6-XMi 560W	CRV6-XMi 615W	CRV6-XMi 670W	CRV6-XMi 730W	CRV6-XMi 785W
Power supply		V/Ph/Hz	220/3/60					
Cooling ¹	Capacity	kW	50.0	56.0	61.5	67.0	73.0	78.5
		kBtu/h	170.6	191.1	209.8	228.6	249.1	267.8
	Power input (ISO)	kW	11.57	13.66	15.19	16.58	19.11	23.43
	EER (ISO)	kW/kW	4.32	4.10	4.05	4.04	3.82	3.35
	IEER (ISO)	kW/kW	8.01	7.60	7.51	7.49	7.09	6.21
Heating ² (Rated)	Capacity	kW	50.0	56.0	61.5	67.0	73.0	78.5
		kBtu/h	170.6	191.1	209.8	228.6	249.1	267.8
	Power input (ISO)	kW	10.53	12.56	14.61	15.12	17.38	20.23
	COP (ISO)		4.75	4.46	4.21	4.43	4.20	3.88
Heating ² (Max)	Capacity	kW	56.0	63.0	69.0	75.0	81.5	87.5
		kBtu/h	191.1	215.0	235.4	255.9	278.1	298.6
	Power input (ISO)	kW	12.71	15.09	17.32	18.36	20.76	23.94
	COP (ISO)		4.41	4.18	3.98	4.09	3.93	3.66
Connected indoor unit	Total capacity ³		50-130% of outdoor unit capacity					
	Maximum quantity		29	33	36	39	43	46
Compressor	Type		DC inverter					
	Quantity		2					
	Oil type		FV68H					
	Start-up method		Soft start					
Fan	Type		Propeller					
	Motor type		DC					
	Quantity		2					
	Motor output	kW	0.56x2			0.92x2		
	Static pressure	Pa (in.wg.)	0-20 (0-0.08) default; 20-60 (0.08-0.24) customized					
	Airflow rate	m³/h (CFM)	17000 (10000)			25000 (14706)		
Refrigerant	Drive type		Direct					
	Type		R410A					
	Factory charge	kg (lbs)	17 (37.4)			21 (46.2)		
Pipe connections	Liquid pipe	mm (inch)	Φ19.1 (Φ3/4)	Φ19.1 (Φ3/4)	Φ19.1 (Φ3/4)	Φ19.1 (Φ3/4)	Φ22.2 (Φ7/8)	Φ22.2 (Φ7/8)
	Gas pipe	mm (inch)	Φ31.8 (Φ1-1/4)	Φ31.8 (Φ1-1/4)	Φ31.8 (Φ1-1/4)	Φ31.8 (Φ1-1/4)	Φ31.8 (Φ1-1/4)	Φ31.8 (Φ1-1/4)
Sound pressure level ⁴		dB(A)	62	63	63	64	64	64
Net dimensions (WxHxD)		mm	1340x1635x825			1730x1830x850		
		inch	52-3/4x64-3/8x32-1/2			68-1/8x72-1/16x33-1/2		
Packed dimensions (WxHxD)		mm	1405x1805x910			1800x2000x910		
		inch	55-5/16x71-1/16x35-13/16			70-7/8x78-3/4x35-13/16		
Net weight		kg	366			438		
		lbs	805			964		
Gross weight		kg	386			461		
		lbs	849			1014		
Ambient temp. operation range	Cooling	°C (°F)	-5 to 54 (23 to 129)					
	Heating	°C (°F)	-25 to 24 (-13 to 75)					

- Notes**

(1) Indoor temperature 27°C(80,6°F) DB/19°C(66,2°F) WB; Outdoor temperature 35°C(95°F) DB/24°C (75,2°F) WB. Interconnecting piping length is 7,5m (24,6ft.), level difference is zero.

(2) Indoor temperature 20° C(68° F) DB/15° C(59° F) WB; Outdoor temperature 7° C(44,6° F) DB/6° C(42,8° F) WB. Interconnecting piping length is 7,5m (24,6ft.), level difference is zero.
- (3) Total Capacity Index = indoor unit total capacity/outdoor unit capacity.

(4) Sound values are measured in a semi-anechoic room, at a position 1m(3,28ft.) in front of the unit and 1,3m(4,26ft.) above the floor.

technical data

CRV6 220V, 3Ph, 50(60)Hz - Standard Combination

HP			30	32	34
Model name (Combination unit)			CRV6-XMi 850W	CRV6-XMi 900W	CRV6-XMi 950W
Combination type			14HP+16HP	16HP+16HP	12HP+22HP
Power supply		V/Ph/Hz	220/3/60		
Cooling ¹	Capacity	kW	85.0	90.0	95.0
		kBtu/h	290.0	307.1	324.1
	Power input (ISO)	kW	18.97	20.55	22.27
	EER (ISO)	kW/kW	4.48	4.38	4.27
Heating ² (Rated)	Capacity	kW	85.0	90.0	95.0
		kBtu/h	290.0	307.1	324.1
	Power input (ISO)	kW	18.09	19.23	21.25
	COP (ISO)		4.70	4.68	4.47
Heating ² (Max)	Capacity	kW	95.0	100.0	106.5
		kBtu/h	324.1	341.2	363.4
	Power input (ISO)	kW	21.79	23.13	25.29
	COP (ISO)		4.36	4.32	4.21
Connected indoor unit	Total capacity ³		50-130% of outdoor unit capacity		
	Maximum quantity		50	53	56
Compressor	Type		DC inverter		
	Quantity		2	2	3
	Oil type		FV68H		
	Start-up method		Soft start		
Fan	Type		Propeller		
	Motor type		DC		
	Quantity		4	4	3
	Motor output	kW	0.56×4	0.56×4	0.56×3
	Static pressure	Pa (in.wg.)	0-20 (0-0.08) default; 20-60 (0.08-0.24) customized		
	Airflow rate	m³/h (CFM)	28000 (16471)	28000 (16471)	28000 (16471)
Refrigerant	Type		Direct		
	Factory charge	kg (lbs)	26 (57.2)	26 (57.2)	28 (61.6)
Pipe connections	Liquid pipe	mm (inch)	Φ19.1 (Φ3/4)		
	Gas pipe	mm (inch)	Φ31.8 (Φ1-1/4)		
Sound pressure level ⁴		dB(A)	64	64	65
Net dimensions (WxHxD)	mm		(1340×1635×825)×2		
	inch		(52-3/4×64-3/8×32-1/2)×2		
Packed dimensions (WxHxD)	mm		(1405×1805×910)×2		
	inch		(55-5/16×71-1/16×35-13/16)×2		
Net weight	kg		284×2	227+366	227+366
	lbs		625×2	499+805	499+805
Gross weight	kg		311×2	248+386	248+386
	lbs		684×2	546+849	546+849
Ambient temp. operation range	Cooling	°C (°F)	-5 to 54 (23 to 129)		
	Heating	°C (°F)	-25 to 24 (-13 to 75)		

HP			36	38	40
Model name (Combination unit)			CRV6-XMi 1015W	CRV6-XMi 1065W	CRV6-XMi 1120W
Combination type			14HP+22HP	16HP+22HP	12HP+28HP
Power supply		V/Ph/Hz	220/3/60		
Cooling ¹	Capacity	kW	101.5	106.5	112.0
		kBtu/h	346.3	363.4	382.1
	Power input (ISO)	kW	23.88	25.46	30.52
	EER (ISO)	kW/kW	4.25	4.18	3.67
Heating ² (Rated)	Capacity	kW	101.5	106.5	112.0
		kBtu/h	346.3	363.4	382.1
	Power input (ISO)	kW	23.08	24.22	26.88
	COP (ISO)		4.40	4.40	4.17
Heating ² (Max)	Capacity	kW	114.0	119.0	125.0
		kBtu/h	389.0	406.0	426.5
	Power input (ISO)	kW	27.55	28.88	31.91
	COP (ISO)		4.14	4.12	3.92
Connected indoor unit	Total capacity ³		50-130% of outdoor unit capacity		
	Maximum quantity		59	63	64
Compressor	Type		DC inverter		
	Quantity		3		
	Oil type		FV68H		
	Start-up method		Soft start		
Fan	Type		Propeller		
	Motor type		DC		
	Quantity		4	4	3
	Motor output	kW	0.56×4	0.56×4	0.56+0.92×2
	Static pressure	Pa (in.wg.)	0-20 (0-0.08) default; 20-60 (0.08-0.24) customized		
	Airflow rate	m³/h (CFM)	31000 (18235)	31000 (18235)	36000 (21176)
Refrigerant	Type		Direct		
	Factory charge	kg (lbs)	30 (66)	30 (66)	32 (70.4)
Pipe connections	Liquid pipe	mm (inch)	Φ19.1 (Φ3/4)		
	Gas pipe	mm (inch)	Φ38.1 (Φ1-1/2)		
Sound pressure level ⁴		dB(A)	65	65	65
Net dimensions (WxHxD)	mm		(1340×1635×825)×2		
	inch		(52-3/4×64-3/8×32-1/2)×2		
Packed dimensions (WxHxD)	mm		(1405×1805×910)×2		
	inch		(55-5/16×71-1/16×35-13/16)×2		
Net weight	kg		284+366	227+438	227+438
	lbs		625+805	499+964	499+964
Gross weight	kg		311+386	248+461	248+461
	lbs		684+849	546+1014	546+1014
Ambient temp. operation range	Cooling	°C (°F)	-5 to 54 (23 to 129)		
	Heating	°C (°F)	-25 to 24 (-13 to 75)		

- Notes**

(1) Indoor temperature 27°C(80,6°F) DB/19°C(66,2°F) WB; Outdoor temperature 35°C(95°F) DB/24°C (75,2°F) WB. Interconnecting piping length is 7,5m (24,6ft.), level difference is zero.

(2) Indoor temperature 20° C(68° F) DB/15° C(59° F) WB; Outdoor temperature 7° C(44,6° F) DB/6° C(42,8° F) WB. Interconnecting piping length is 7,5m (24,6ft.), level difference is zero.
- (3) Total Capacity Index = indoor unit total capacity/outdoor unit capacity.

(4) Sound values are measured in a semi-anechoic room, at a position 1m(3,28ft.) in front of the unit and 1,3m(4,26ft.) above the floor.

technical data

CRV6 220V, 3Ph, 50(60)Hz - Standard Combination

HP			42	44	46	48	50
Model name (Combination unit)			CRV6-XMi 1185W	CRV6-XMi 1235W	CRV6-XMi 1285W	CRV6-XMi 1345W	CRV6-XMi 1400W
Combination type			14HP+28HP	16HP+28HP	22HP+24HP	22HP+26HP	22HP+28HP
Power supply			220/3/60				
Cooling ¹	Capacity	kW	118.5	123.5	128.5	134.5	140.0
		kBtu/h	404.3	421.4	438.4	458.9	477.7
	Power input (ISO)	kW	32.13	33.71	31.77	34.30	38.62
	EER (ISO)	kW/kW	3.69	3.66	4.04	3.92	3.63
Heating ² (Rated)	Capacity	kW	118.5	123.5	128.5	134.5	140.0
		kBtu/h	404.3	421.4	438.4	458.9	477.7
	Power input (ISO)	kW	28.71	29.85	29.73	31.99	34.84
	COP (ISO)		4.13	4.14	4.32	4.20	4.02
Heating ² (Max)	Capacity	kW	132.5	137.5	144.0	150.5	156.5
		kBtu/h	452.1	469.2	491.3	513.5	534.0
	Power input (ISO)	kW	34.17	35.50	35.68	38.07	41.26
	COP (ISO)		3.88	3.87	4.04	3.95	3.79
Connected indoor unit			50-130% of outdoor unit capacity				
Total capacity ³			64				
Maximum quantity			DC inverter				
Compressor	Type		3				
	Quantity		4				
	Oil type		FV68H				
	Start-up method		Soft start				
Fan	Type		Propeller				
	Motor type		DC				
	Quantity		4				
	Motor output		0.56x2+0.92x2				
	Static pressure		Pa (in.wg.)				
	Airflow rate		39000 (22941)				
Drive type			Direct				
Refrigerant	Type		R410A				
	Factory charge		kg (lbs)		34 (74.8)		
Pipe connections	Liquid pipe		mm (inch)		Φ19.1 (Φ3/4)		
	Gas pipe		mm (inch)		Φ38.1 (Φ1-1/2)		
Sound pressure level ⁴			66				
Net dimensions (WxHxD)			(1340x1635x825)+(1730x1830x850)				
			(52-3/4x64-3/8x32-1/2)+(68-1/8x72-1/16x33-1/2)				
Packed dimensions (WxHxD)			(1405x1805x910)+(1800x2000x910)				
			(55-5/16x71-1/16x35-13/16)+(70-7/8x78-3/4x35-13/16)				
Net weight	kg		284+438		366+438		
	lbs		625+964		805+964		
Gross weight	kg		311+461		386+461		
	lbs		684+1014		849+1014		
Ambient temp. operation range	Cooling	°C (°F)	-5 to 54 (23 to 129)				
	Heating	°C (°F)	-25 to 24 (-13 to 75)				

HP			52	54	56
Model name (Combination unit)			CRV6-XMi 1460W	CRV6-XMi 1515W	CRV6-XMi 1570W
Combination type			26HP+26HP	26HP+28HP	28HP+28HP
Power supply			220/3/60		
Cooling ¹	Capacity	V/Ph/Hz			
		kW	146.0	151.5	157.0
	Power input (ISO)	kBtu/h	498.2	516.9	535.7
		kW	38.22	42.54	46.87
Heating ² (Rated)	EER (ISO)	kW/kW	3.82	3.56	3.35
		kW	146.0	151.5	157.0
	Capacity	kBtu/h	498.2	516.9	535.7
		Power input (ISO)	kW	34.76	37.61
Heating ² (Max)	COP (ISO)		4.20	4.03	3.88
		kW	163.0	169.0	175.0
	Capacity	kBtu/h	556.2	44.69	597.1
		Power input (ISO)	kW	41.51	37.61
Connected indoor unit	COP (ISO)		3.93	3.78	3.66
	Total capacity ³		50-130% of outdoor unit capacity		
	Maximum quantity		64		
Compressor	Type		DC inverter		
	Quantity		4		
	Oil type		FV68H		
	Start-up method		Soft start		
Fan	Type		Propeller		
	Motor type		DC		
	Quantity		4		
	Motor output		0.92x4		
	Static pressure		Pa (in.wg.)		
	Airflow rate		0-20 (0-0.08) default; 20-60 (0.08-0.24) customized		
Refrigerant	Drive type		50000 (29412)		
	Type		Direct		
	Factory charge		kg (lbs)		
	Liquid pipe		mm (inch)		
Pipe connections	Gas pipe		mm (inch)		Φ41.3 (Φ1-5/8)
			Φ38.1 (Φ1-1/2)		
Sound pressure level ⁴		dB(A)		66	
Net dimensions (WxHxD)		mm		(1730×1830×850)×2	
		inch		(68-1/8×72-1/16×33-1/2)×2	
Packed dimensions (WxHxD)		mm		(1800×2000×910)×2	
		inch		(70-7/8×78-3/4×35-13/16)×2	
Net weight		kg		438×2	
		lbs		964×2	
Gross weight		kg		461×2	
		lbs		1014×2	
Ambient temp. operation range		Cooling °C (°F)		-5 to 54 (23 to 129)	
		Heating °C (°F)		-25 to 24 (-13 to 75)	

- Notes**

(1) Indoor temperature 27°C(80,6°F) DB/19°C(66,2°F) WB; Outdoor temperature 35°C(95°F) DB/24°C (75,2°F) WB. Interconnecting piping length is 7,5m (24,6ft.), level difference is zero.

(2) Indoor temperature 20° C(68° F) DB/15° C(59° F) WB; Outdoor temperature 7° C(44,6° F) DB/6° C(42,8° F) WB. Interconnecting piping length is 7,5m (24,6ft.), level difference is zero.
- (3) Total Capacity Index = indoor unit total capacity/outdoor unit capacity.

(4) Sound values are measured in a semi-anechoic room, at a position 1m(3,28ft.) in front of the unit and 1,3m(4,26ft.) above the floor.

technical data

CRV6 220V, 3Ph, 50(60)Hz - Standard Combination

HP			58	60	62
Model name (Combination unit)			CRV6-XMi 1635W	CRV6-XMi 1685W	CRV6-XMi 1735W
Combination type			14HP+16HP+28HP	16HP+16HP+28HP	12HP+22HP+28HP
Power supply			220/3/60		
Cooling ¹	Capacity	V/Ph/Hz			
		kW	163.5	168.5	173.5
	Power input (ISO)	kBtu/h	557.9	574.9	592.0
		kW	42.40	43.98	45.70
Heating ² (Rated)	Capacity	kW/kW	3.86	3.83	3.80
		kBtu/h	163.5	168.5	173.5
	Power input (ISO)	kW	557.9	574.9	592.0
		COP (ISO)	kW	38.32	39.46
Heating ² (Max)	Capacity	kW	4.27	4.27	4.18
		kBtu/h	182.5	187.5	194.0
	Power input (ISO)	kW	622.7	639.8	661.9
		COP (ISO)	kW	45.73	47.06
Connected indoor unit	Total capacity ⁴		3.99	3.98	3.94
	Maximum quantity		50-130% of outdoor unit capacity		
Compressor	Type		64		
	Quantity		DC inverter		
	Oil type		4		
	Start-up method		FV68H		
Fan	Type		Soft start		
	Motor type		Propeller		
	Quantity		DC		
	Motor output		6		
Refrigerant	Static pressure		5		
	Airflow rate		0.56x4+0.92x2		
	Drive type		0.56x3+0.92x2		
	Type		0-20 (0-0.08) default; 20-60 (0.08-0.24) customized		
Pipe connections	Factory charge		53000 (31176)		
	Liquid pipe		53000 (31176)		
Sound pressure level ⁴	Gas pipe		Direct		
	Type		R410A		
Net dimensions (WxHxD)	Factory charge		49 (107.8)		
	Liquid pipe		Φ19.1 (Φ3/4)		
Packed dimensions (WxHxD)	Gas pipe		Φ19.1 (Φ3/4)		
	Type		Φ41.3 (Φ1-5/8)		
Net weight	dB(A)		Φ41.3 (Φ1-5/8)		
	mm (inch)		66		
Gross weight	mm		(990x1635x790)+(1340x1635x825)+		
	inch		(1340x1635x825)x2+(1730x1830x850)		
Ambient temp. operation range	kg		(39x64-3/8x31-1/8)+(52-3/4x64-3/8x32-1/2)+(68-1/8x72-1/16x33-1/2)		
	lbs		(1405x1805x910)x2+(1800x2000x910)		
Cooling	kg		(1090x1805x860)+(1405x1805x910)+(1800x2000x910)		
	lbs		(70-7/8x78-3/4x35-13/16)		
Heating	kg		(42-15/16x71-1/16x33-7/8)+(55-5/16x71-1/16x35-13/16)+(70-7/8x78-3/4x35-13/16)		
	lbs		227+366+438		
Cooling	kg		227+366+438		
	lbs		499+805+964		
Heating	kg		248+386+461		
	lbs		546+849+1014		
Cooling	°C (°F)		-5 to 54 (23 to 129)		
	°C (°F)		-25 to 24 (-13 to 75)		

			64		66		68	
Model name (Combination unit)			CRV6-XMi 1800W		CRV6-XMi 1850W		CRV6-XMi 1905W	
Combination type			14HP+22HP+28HP		16HP+22HP+28HP		12HP+28HP+28HP	
Power supply					220/3/60			
Cooling ¹	Capacity	V/Ph/Hz						
		kW	180.0		185.0		190.5	
	kBtu/h	614.2		631.2		650.0		
	Power input (ISO)	kW	47.31		48.89		53.95	
Heating ² (Rated)	EER (ISO)	kW/kW	3.80		3.78		3.53	
	Capacity	kW	180.0		185.0		190.5	
		kBtu/h	614.2		631.2		650.0	
	Power input (ISO)	kW	43.31		44.46		47.11	
Heating ² (Max)	COP (ISO)		4.16		4.16		4.04	
	Capacity	kW	201.5		206.5		212.5	
		kBtu/h	687.5		704.6		725.1	
	Power input (ISO)	kW	51.49		52.82		55.85	
Connected indoor unit	COP (ISO)		3.91		3.91		3.81	
	Total capacity ³		50-130% of outdoor unit capacity					
Compressor	Maximum quantity		64					
	Type		DC inverter					
	Quantity		5					
	Oil type		FV68H					
	Start-up method		Soft start					
	Type		Propeller					
Fan	Motor type		DC					
	Quantity		6				5	
	Motor output	kW	0.56×4+0.92×2		0.56×4+0.92×2		0.56+0.92×4	
	Static pressure	Pa (in.wg.)	0-20 (0-0.08) default; 20-60 (0.08-0.24) customized					
Refrigerant	Airflow rate	m ³ /h (CFM)	56000 (32941)		56000 (32941)		61000 (35882)	
	Drive type		Direct					
	Type		R410A					
	Factory charge	kg (lbs)	51 (112.2)		51 (112.2)		53 (116.6)	
Pipe connections	Liquid pipe	mm (inch)	Φ19.1 (Φ3/4)		Φ19.1 (Φ3/4)		Φ22.2 (Φ7/8)	
	Gas pipe	mm (inch)	Φ41.3 (Φ1-5/8)		Φ41.3 (Φ1-5/8)		Φ44.5 (Φ1-3/4)	
Sound pressure level ⁴		dB(A)	66		67		67	
Net dimensions (WxHxD)		mm	(1340×1635×825)×2+(1730×1830×850)				(990×1635×790)+(1730×1830×850)×2	
		inch	(52-3/4×64-3/8×32-1/2)×2+(68-1/8×72-1/16×33-1/2)				(39×64-3/8×31-1/8)+(68-1/8×72-1/16×33-1/2)×2	
Packed dimensions (WxHxD)		mm	(1405×1805×910)×2+(1800×2000×910)				(1090×1805×860)+(1800×2000×910)×2	
		inch	(55-5/16×71-1/16×35-13/16)×2+(70-7/8×78-3/4×35-13/16)				(42-15/16×71-1/16×33-7/8)+(70-7/8×78-3/4×35-13/16)×2	
Net weight		kg	284+366+438				227+438×2	
		lbs	625+805+964				499+964×2	
Gross weight		kg	311+386+461				248+461×2	
		lbs	684+849+1014				546+1014×2	
Ambient temp. operation range	Cooling	°C (°F)	-5 to 54 (23 to 129)					
	Heating	°C (°F)	-25 to 24 (-13 to 75)					

technical data

CRV6 220V, 3Ph, 50(60)Hz - Standard Combination

HP			70	72	74	76	78
Model name (Combination unit)			CRV6-XMi 1970W	CRV6-XMi 2020W	CRV6-XMi 2070W	CRV6-XMi 2130W	CRV6-XMi 2185W
Combination type			14HP+28HP+28HP	16HP+28HP+28HP	22HP+24HP+28HP	22HP+26HP+28HP	22HP+28HP+28HP
Power supply			V/Ph/Hz 220/3/60				
Cooling ¹	Capacity	kW	197.0	202.0	207.0	213.0	218.5
		kBtu/h	672.2	689.2	706.3	726.8	745.5
	Power input (ISO)	kW	55.56	57.14	55.20	57.73	62.05
		EER (ISO)	kW/kW	3.55	3.54	3.75	3.69
Heating ² (Rated)	Capacity	kW	197.0	202.0	207.0	213.0	218.5
		kBtu/h	672.2	689.2	706.3	726.8	745.5
	Power input (ISO)	kW	48.94	50.08	49.96	52.22	55.07
		COP (ISO)		4.03	4.03	4.14	4.08
Heating ² (Max)	Capacity	kW	220.0	225.0	231.5	238.0	244.0
		kBtu/h	750.6	767.7	789.9	812.1	832.5
	Power input (ISO)	kW	58.11	59.44	59.61	62.01	65.19
		COP (ISO)		3.79	3.79	3.88	3.84
Connected indoor unit			Total capacity ³ Maximum quantity				
Compressor	Type		DC inverter				
	Quantity		5				
	Oil type		FV68H				
	Start-up method		Soft start				
Fan	Type		Propeller				
	Motor type		DC				
	Quantity		6				
	Motor output		0.56x2+0.92x4				
Refrigerant	Static pressure		Pa (in.wg.) 0-20 (0-0.08) default; 20-60 (0.08-0.24) customized				
	Airflow rate		64000 (37647)	64000 (37647)	67000 (39412)	67000 (39412)	67000 (39412)
	Drive type		Direct				
	Type		R410A				
Pipe connections	Factory charge		kg (lbs)	55 (121)	55 (121)	59 (129.8)	59 (129.8)
	Liquid pipe		mm (inch)	Φ22.2 (Φ7/8)			
Sound pressure level ⁴	Gas pipe		mm (inch)	Φ44.5 (Φ1-3/4)			
			dB(A)	67	67	68	68
Net dimensions (WxHxD)			mm (1340x1635x825)+(1730x1830x850)x2				
Packed dimensions (WxHxD)			inch (52-3/4x64-3/8x32-1/2)+(68-1/8x72-1/16x33-1/2)x2				
Net weight			mm (1405x1805x910)+(1800x2000x910)x2				
Gross weight			inch (55-5/16x71-1/16x35-13/16)+(70-7/8x78-3/4x35-13/16)x2				
Ambient tempCooling operation range			kg	284+438x2	284+438x2	366+438x2	366+438x2
			lbs	625+964x2	625+964x2	805+964x2	805+964x2
			kg	311+461x2	386+461x2	386+461x2	386+461x2
			lbs	684+1014x2	849+1014x2	849+1014x2	849+1014x2
Ambient tempCooling operation range			°C (°F)	-5 to 54 (23 to 129)			
Heating			°C (°F)	-25 to 24 (-13 to 75)			

HP			80	82	84
Model name (Combination unit)			CRV6-XMi 2245W	CRV6-XMi 2300W	CRV6-XMi 2355W
Combination type			26HP+26HP+28HP	26HP+28HP+28HP	28HP+28HP+28HP
Power supply			V/Ph/Hz 220/3/60		
Cooling ¹	Capacity	kW	224.5	230.0	235.5
		kBtu/h	766.0	784.8	803.5
	Power input (ISO)	kW	61.65	65.98	70.30
		EER (ISO)	kW/kW	3.64	3.49
Heating ² (Rated)	Capacity	kW	224.5	230.0	235.5
		kBtu/h	766.0	784.8	803.5
	Power input (ISO)	kW	54.99	57.84	60.70
		COP (ISO)		4.08	3.98
Heating ² (Max)	Capacity	kW	250.5	256.5	262.5
		kBtu/h	854.7	875.2	895.7
	Power input (ISO)	kW	65.45	68.63	71.81
		COP (ISO)		3.83	3.74
Connected indoor unit	Total capacity ³		50-130% of outdoor unit capacity		
	Maximum quantity		64		
Compressor	Type		DC inverter		
	Quantity		6		
	Oil type		FV68H		
	Start-up method		Soft start		
Fan	Type		Propeller		
	Motor type		DC		
	Quantity		6		
	Motor output		0.92x6		
	Static pressure		Pa (in.wg.) 0-20 (0-0.08) default; 20-60 (0.08-0.24) customized		
	Airflow rate		m ³ /h (CFM) 75000 (44118)		
Refrigerant	Drive type		Direct		
	Type		R410A		
	Factory charge		kg (lbs) 63 (138.6)		
Pipe connections	Liquid pipe	mm (inch)	Φ22.2 (Φ7/8)	Φ22.2 (Φ7/8)	Φ25.4 (Φ1)
	Gas pipe	mm (inch)	Φ44.5 (Φ1-3/4)	Φ44.5 (Φ1-3/4)	Φ50.8 (Φ2)
Sound pressure level ⁴		dB(A)	68		
Net dimensions (WxHxD)		mm	(1730×1830×850)×3		
Packed dimensions (WxHxD)		inch	(68-1/8×72-1/16×33-1/2)×3		
		mm	(1800×2000×910)×3		
Net weight		inch	(70-7/8×78-3/4×35-13/16)×3		
		kg	438×3		
Gross weight		lbs	964×3		
		kg	461×3		
Ambient temp. operation range		lbs	1014×3		
		°C (°F)	-5 to 54 (23 to 129)		
		°C (°F)	-25 to 24 (-13 to 75)		

- Notes**
- (1) Indoor temperature 27°C(80.6°F) DB/19°C(66.2°F) WB; Outdoor temperature 35°C(95°F) DB/24°C (75.2°F) WB. Interconnecting piping length is 7.5m (24.6ft.), level difference is zero.

(2) Indoor temperature 20° C(68° F) DB/15° C(59° F) WB; Outdoor temperature 7° C(44.6° F) DB/6° C(42.8° F) WB. Interconnecting piping length is 7.5m (24.6ft.), level difference is zero.

(3) Total Capacity Index = indoor unit total capacity/outdoor unit capacity.

(4) Sound values are measured in a semi-anechoic room, at a position 1m(3.28ft.) in front of the unit and 1.3m(4.26ft.) above the floor.

technical data

CRV6 220V, 3Ph, 50(60)Hz - High Efficiency Combination

Model name (Combination unit)			30	32	34	36
Combination type			CRV6-XMi 850W	CRV6-XMi 900W	CRV6-XMi 960W	CRV6-XMi 1000W
Power supply			14HP+16HP	14HP+18HP	14HP+20HP	18HP+18HP
Cooling ¹	Capacity	V/Ph/Hz	220/3/60			
		kW	85.0	90.0	96.0	100.0
	kBtu/h	290.0	307.1	327.6	341.2	
	Power input (ISO)	kW	18.97	20.27	22.35	23.15
Heating ² (Rated)	EER (ISO)	kW/kW	4.48	4.44	4.29	4.32
	Capacity	kW	85.0	90.0	96.0	100.0
		kBtu/h	290.0	307.1	327.6	341.2
	Power input (ISO)	kW	18.09	19.00	21.03	21.05
Heating ² (Max)	COP (ISO)		4.70	4.74	4.56	4.75
	Capacity	kW	95.0	101.0	108.0	112.0
		kBtu/h	324.1	344.6	368.5	382.1
	Power input (ISO)	kW	21.79	22.94	25.32	25.42
Connected indoor unit	COP (ISO)		4.36	4.40	4.27	4.41
	Total capacity ³		50-130% of outdoor unit capacity			
Compressor	Maximum quantity		50	53	56	59
	Type		DC inverter			
	Quantity		2	3	3	4
	Oil type		FV68H			
Fan	Start-up method		Soft start			
	Type		Propeller			
	Motor type		DC			
	Quantity		4			
Refrigerant	Motor output	kW	0.56x4			
	Static pressure	Pa (in.wg.)	0-20 (0-0.08) default; 20-60 (0.08-0.24) customized			
	Airflow rate	m³/h (CFM)	28000 (16471)	31000 (18235)		34000 (20000)
	Drive type		Direct			
Pipe connections	Type		R410A			
	Factory charge	kg (lbs)	26 (57.2)	30 (66)		34 (74.8)
Sound pressure level ⁴	Liquid pipe	mm (inch)	Φ19.1 (Φ3/4)			
	Gas pipe	mm (inch)	Φ31.8 (Φ1-1/4)			
		dB(A)	64		65	
Net dimensions (WxHxD)		mm	(1340x1635x825)x2			
		inch	(52-3/4x64-3/8x32-1/2)x2			
Packed dimensions (WxHxD)		mm	(1405x1805x910)x2			
		inch	(55-5/16x71-1/16x35-13/16)x2			
Net weight	kg	284x2	284+366		366x2	
	lbs	625x2	625+805		805x2	
Gross weight	kg	311x2	311+386		386x2	
	lbs	684x2	684+849		849x2	
Ambient temp. operation range	Cooling	°C (°F)	-5 to 54 (23 to 129)			
	Heating	°C (°F)	-25 to 24 (-13 to 75)			

HP			38	40	42	44	46
Model name (Combination unit)			CRV6-XMi 1070W	CRV6-XMi 1120W	CRV6-XMi 1170W	CRV6-XMi 1230W	CRV6-XMi 1285W
Combination type			14HP+24HP	16HP+24HP	18HP+24HP	20HP+24HP	22HP+24HP
Power supply			V/Ph/Hz 220/3/60				
Cooling ¹	Capacity	kW	107.0	112.0	117.0	123.0	128.5
		kBtu/h	365.1	382.1	399.2	419.7	438.4
	Power input (ISO)	kW	25.28	26.86	28.16	30.24	31.77
		EER (ISO)	kW/kW	4.23	4.17	4.16	4.07
Heating ² (Rated)	Capacity	kW	107.0	112.0	117.0	123.0	128.5
		kBtu/h	365.1	382.1	399.2	419.7	438.4
	Power input (ISO)	kW	23.60	24.74	25.65	27.68	29.73
		COP (ISO)		4.53	4.53	4.56	4.44
Heating ² (Max)	Capacity	kW	120.0	125.0	131.0	138.0	144.0
		kBtu/h	409.4	426.5	447.0	470.9	491.3
	Power input (ISO)	kW	28.59	29.92	31.07	33.44	35.68
		COP (ISO)		4.20	4.18	4.22	4.13
Connected indoor unit			Total capacity ³ Maximum quantity				
			63				
			50-130% of outdoor unit capacity				
			64				
Compressor	Type		DC inverter				
	Quantity		3				
	Oil type		FV68H				
	Start-up method		Soft start				
Fan	Type		Propeller				
	Motor type		DC				
	Quantity		4				
	Motor output		0.56x2+0.92x2				
	Static pressure		Pa (in.wg.) 0-20 (0-0.08) default; 20-60 (0.08-0.24) customized				
	Airflow rate		m³/h (CFM) 39000 (22941)				
Refrigerant	Drive type		Direct				
	Type		R410A				
	Factory charge		kg (lbs) 34 (74.8)				
Pipe connections	Liquid pipe	mm (inch)	Φ19.1 (Φ3/4)				
	Gas pipe	mm (inch)	Φ38.1 (Φ1-1/2)				
Sound pressure level ⁴		dB(A)	65				
Net dimensions (WxHxD)		mm	66				
		inch	(1340x1635x825)+(1730x1830x850)				
		mm	(52-3/4x64-3/8x32-1/2)+(68-1/8x72-1/16x33-1/2)				
Packed dimensions (WxHxD)		mm	(1405x1805x910)+(1800x2000x910)				
		inch	(55-5/16x71-1/16x35-13/16)+(70-7/8x78-3/4x35-13/16)				
Net weight		kg	284+438				
		lbs	625+964				
Gross weight		kg	311+461				
		lbs	684+1014				
Ambient temp. operation range	Cooling	°C (°F)	-5 to 54 (23 to 129)				
	Heating	°C (°F)	-25 to 24 (-13 to 75)				

technical data

CRV6 220V, 3Ph, 50(60)Hz - High Efficiency Combination

HP			48	50
Model name (Combination unit)			CRV6-XMi 1340W	CRV6-XMi 1400W
Combination type			24HP+24HP	24HP+26HP
Power supply			220/3/60	
Cooling ¹	Capacity	V/Ph/Hz		
		kW	134.0	140.0
	Power input (ISO)	kBtu/h	457.2	477.7
		kW	33.17	35.69
Heating ² (Rated)	EER (ISO)	kW/kW	4.04	3.92
		kW	134.0	140.0
	Capacity	kBtu/h	457.2	477.7
		kW	30.25	32.51
Heating ² (Max)	Power input (ISO)	kW	4.43	4.31
		kW	150.0	156.5
	COP (ISO)	kBtu/h	511.8	534.0
		kW	36.72	39.11
Connected indoor unit	Total capacity ³		4.09	4.00
	Maximum quantity		50-130% of outdoor unit capacity	
	Type		64	
	Maximum quantity		DC inverter	
Compressor	Type		4	
	Quantity		FV68H	
	Oil type		Soft start	
	Start-up method		Propeller	
Fan	Type		DC	
	Motor type		4	
	Quantity		0.92x4	
	Motor output		kW	
Refrigerant	Static pressure	Pa (in.wg.)	50000 (29412)	
		m³/h (CFM)	Direct	
	Airflow rate	mm (inch)	R410A	
		mm (inch)	42 (92.4)	
Pipe connections	Factory charge		kg (lbs)	
	Liquid pipe		mm (inch)	
	Gas pipe		mm (inch)	
	Sound pressure level ⁴		dB(A)	
Net dimensions (WxHxD)			66	
			(1730x1830x850)x2	
			(68-1/8x72-1/16x33-1/2)x2	
			(1800x2000x910)x2	
Packed dimensions (WxHxD)			mm	
			inch	
			(70-7/8x78-3/4x35-13/16)x2	
			kg	
Net weight			438x2	
			lbs	
			964x2	
			461x2	
Gross weight			1014x2	
			lbs	
			-5 to 54 (23 to 129)	
			-25 to 24 (-13 to 75)	

HP			52	54	56	58
Model name (Combination unit)			CRV6-XMi 1450W	CRV6-XMi 1500W	CRV6-XMi 1560W	CRV6-XMi 1620W
Combination type			16HP+18HP+18HP	18HP+18HP+18HP	18HP+18HP+20HP	18HP+20HP+20HP
Power supply			220/3/60			
Cooling ¹	Capacity	V/Ph/Hz				
		kW	145.0	150.0	156.0	162.0
	Power input (ISO)	kBtu/h	494.7	511.8	532.3	552.7
		kW	33.42	34.72	36.81	38.89
Heating ² (Rated)	EER (ISO)	kW/kW	4.34	4.32	4.24	4.17
		kW	145.0	150.0	156.0	162.0
	Capacity	kBtu/h	494.7	511.8	532.3	552.7
		kW	30.67	31.58	33.61	35.64
Heating ² (Max)	Power input (ISO)	kW	4.73	4.75	4.64	4.55
		kW	162.0	168.0	175.0	182.0
	COP (ISO)	kBtu/h	552.7	573.2	597.1	621.0
		kW	36.98	38.13	40.50	42.88
Connected indoor unit	Total capacity ³		4.38	4.41	4.32	4.24
	Maximum quantity		50-130% of outdoor unit capacity			
	Type		64			
	Maximum quantity		DC inverter			
Compressor	Type		5			
	Quantity		6			
	Oil type		FV68H			
	Start-up method		Soft start			
Fan	Type		Propeller			
	Motor type		DC			
	Quantity		6			
	Motor output		0.56x6			
Refrigerant	Static pressure	Pa (in.wg.)	0-20 (0-0.08) default; 20-60 (0.08-0.24) customized			
		m³/h (CFM)	48000 (28235)			
	Airflow rate	mm (inch)	51000 (30000)			
		mm (inch)	Direct			
Pipe connections	Factory charge		kg (lbs)			
	Liquid pipe		mm (inch)			
	Gas pipe		mm (inch)			
	Sound pressure level ⁴		dB(A)			
Net dimensions (WxHxD)			66			
			(1340x1635x825)x3			
			(52-3/4x64-3/8x32-1/2)x3			
			(1405x1805x910)x3			
Packed dimensions (WxHxD)			mm			
			inch			
			(55-5/16x71-1/16x35-13/16)x3			
			kg			
Net weight			284+366x2			
			lbs			
			625+805x2			
			311+386x2			
Gross weight			kg			
			lbs			
			684+849x2			
			849x3			
Ambient temp. operation range	Cooling	°C (°F)	-5 to 54 (23 to 129)			
		°C (°F)	-25 to 24 (-13 to 75)			
	Heating	°C (°F)				
		°C (°F)				

- Notes
- (1) Indoor temperature 27°C(80,6°F) DB/19°C(66,2°F) WB; Outdoor temperature 35°C(95°F) DB/24°C (75,2°F) WB. Interconnecting piping length is 7,5m (24,6ft.), level difference is zero.

(2) Indoor temperature 20° C(68° F) DB/15° C(59° F) WB; Outdoor temperature 7° C(44,6° F) DB/6° C(42,8° F) WB. Interconnecting piping length is 7,5m (24,6ft.), level difference is zero.

(3) Total Capacity Index = indoor unit total capacity/outdoor unit capacity.

(4) Sound values are measured in a semi-anechoic room, at a position 1m(3,28ft.) in front of the unit and 1,3m(4,26ft) above the floor.

technical data

CRV6 220V, 3Ph, 50(60)Hz - High Efficiency Combination

HP			60	62	64
Model name (Combination unit)			CRV6-XMi 1670W	CRV6-XMi 1730W	CRV6-XMi 1790W
Combination type			18HP+18HP+24HP	18HP+20HP+24HP	20HP+20HP+24HP
Power supply			220/3/60		
Cooling ¹	Capacity	V/Ph/Hz	167.0	173.0	179.0
		kW	569.8	590.3	610.7
	Power input (ISO)	kW	39.73	41.82	43.90
		EER (ISO)	kW/kW	4.20	4.14
Heating ² (Rated)	Capacity	kW	167.0	173.0	179.0
		kBtu/h	569.8	590.3	610.7
	Power input (ISO)	kW	36.18	38.21	40.24
		COP (ISO)		4.62	4.53
Heating ² (Max)	Capacity	kW	187.0	194.0	201.0
		kBtu/h	638.0	661.9	685.8
	Power input (ISO)	kW	43.78	46.15	48.53
		COP (ISO)		4.27	4.20
Connected indoor unit	Total capacity ³		50-130% of outdoor unit capacity		
	Maximum quantity		64		
Compressor	Type		DC inverter		
	Quantity		6		
	Oil type		FV68H		
	Start-up method		Soft start		
Fan	Type		Propeller		
	Motor type		DC		
	Quantity		6		
	Motor output		0.56x4+0.92x2		
	Static pressure		Pa (in.wg.)		
	Airflow rate		0-20 (default); 20-60 (customized)		
	Drive type		59000 (34706)		
Refrigerant	Type		Direct		
	Factory charge		kg (lbs)		
Pipe connections	Liquid pipe		mm (inch)		
	Gas pipe		mm (inch)		
Sound pressure level ⁴		dB(A)			
Net dimensions (WxHxD)		66			
		(1340×1635×825)×2+(1730×1830×850)			
Packed dimensions (WxHxD)		(52-3/4×64-3/8×32-1/2)×2+(68-1/8×72-1/16×33-1/2)			
		(1405×1805×910)×2+(1800×2000×910)			
Net weight		(55-5/16×71-1/16×35-13/16)×2+(70-7/8×78-3/4×35-13/16)			
		kg			
Gross weight		366x2+438			
		lbs			
Ambient temp. operation range		805x2+964			
		kg			
		386x2+461			
		lbs			
		849x2+1014			
		°C (°F)			
		-5 ~ 54			
		°C (°F)			
		-23 ~ 24			

technical data

CRV6 220V, 3Ph, 50(60)Hz - High Efficiency Combination

HP			72	74	76	78
Model name (Combination unit)			CRV6-XMi 2010W	CRV6-XMi 2070W	CRV6-XMi 2130W	CRV6-XMi 2190W
Combination type			24HP+24HP+24HP	24HP+24HP+26HP	24HP+26HP+26HP	26HP+26HP+26HP
Power supply		V/Ph/Hz	220/3/60			
Cooling ¹	Capacity	kW	201.0	207.0	213.0	219.0
		kBtu/h	685.8	706.3	726.8	747.2
	Power input (ISO)	kW	49.75	52.28	54.80	57.33
		kW/kW	4.04	3.96	3.89	3.82
Heating ² (Rated)	Capacity	kW	201.0	207.0	213.0	219.0
		kBtu/h	685.8	706.3	726.8	747.2
	Power input (ISO)	kW	45.37	47.63	49.89	52.14
		COP (ISO)	4.43	4.35	4.27	4.20
Heating ² (Max)	Capacity	kW	225.0	231.5	238.0	244.5
		kBtu/h	767.7	789.9	812.1	834.2
	Power input (ISO)	kW	55.07	57.47	59.87	62.27
		COP (ISO)	4.09	4.03	3.98	3.93
Connected indoor unit	Total capacity ³		50-130% of outdoor unit capacity			
	Maximum quantity		64			
Compressor	Type		DC inverter			
	Quantity		6			
	Oil type		FV68H			
	Start-up method		Soft start			
Fan	Type		Propeller			
	Motor type		DC			
	Quantity		6			
	Motor output		0.92×6			
	Static pressure		Pa (in.wg.)			
	Airflow rate		75000 (44118)			
	Drive type		Direct			
	Type		R410A			
Refrigerant	Factory charge		kg (lbs)			
	Liquid pipe		mm (inch)			
Pipe connections	Gas pipe		mm (inch)			
	Sound pressure level ⁴		dB(A)			
Net dimensions (W×H×D)		mm	(1730×1830×850)×3			
Packed dimensions (W×H×D)		inch	(68-1/8×72-1/16×33-1/2)×3			
Net weight	mm		(1800×2000×910)×3			
	inch		(70-7/8×78-3/4×35-13/16)×3			
	kg		438×3			
	lbs		964×3			
Gross weight	kg		461×3			
	lbs		1014×3			
Ambient temp. operation range	Cooling	°C (°F)	-5 to 54 (23 to 129)			
		°C (°F)	-25 to 24 (-13 to 75)			

HP			80	82	84
Model name (Combination unit)			CRV6-XMi 2245W	CRV6-XMi 2300W	CRV6-XMi 2355W
Combination type			26HP+26HP+28HP	26HP+28HP+28HP	28HP+28HP+28HP
Power supply		V/Ph/Hz	220/3/60		
Cooling ¹	Capacity	kW	224.5	230.0	235.5
		kBtu/h	766.0	784.8	803.5
	Power input (ISO)	kW	61.65	65.98	70.30
		kW/kW	3.64	3.49	3.35
Heating ² (Rated)	Capacity	kW	224.5	230.0	235.5
		kBtu/h	766.0	784.8	803.5
	Power input (ISO)	kW	54.99	57.84	60.70
		COP (ISO)	4.08	3.98	3.88
Heating ² (Max)	Capacity	kW	250.5	256.5	262.5
		kBtu/h	854.7	875.2	895.7
	Power input (ISO)	kW	65.45	68.63	71.81
		COP (ISO)	3.83	3.74	3.66
Connected indoor unit	Total capacity ³		50-130% of outdoor unit capacity		
	Maximum quantity		64		
Compressor	Type		DC inverter		
	Quantity		6		
	Oil type		FV68H		
	Start-up method		Soft start		
Fan	Type		Propeller		
	Motor type		DC		
	Quantity		6		
	Motor output		0.92×6		
	Static pressure		Pa (in.wg.)		
	Airflow rate		75000 (44118)		
	Drive type		Direct		
	Type		R410A		
Refrigerant	Factory charge		kg (lbs)		
	Liquid pipe		mm (inch)		
Pipe connections	Gas pipe		mm (inch)		
	Sound pressure level ⁴		dB(A)		
Net dimensions (W×H×D)		mm	(1730×1830×850)×3		
Packed dimensions (W×H×D)		inch	(68-1/8×72-1/16×33-1/2)×3		
Net weight	mm		(1800×2000×910)×3		
	inch		(70-7/8×78-3/4×35-13/16)×3		
	kg		438×3		
	lbs		964×3		
Gross weight	kg		461×3		
	lbs		1014×3		
Ambient temp. operation range	Cooling	°C (°F)	-5 to 54 (23 to 129)		
		°C (°F)	-25 to 24 (-13 to 75)		

Notes

- (1) Indoor temperature 27°C(80.6°F) DB/19°C(66.2°F) WB; Outdoor temperature 35°C(95°F) DB/24°C(75.2°F) WB. Interconnecting piping length is 7.5m (24.6ft.), level difference is zero.

(2) Indoor temperature 20°C(68°F) DB/15°C(59°F) WB; Outdoor temperature 7°C(44.6°F) DB/6°C(42.8°F) WB. Interconnecting piping length is 7.5m (24.6ft.), level difference is zero.
- (3) Total Capacity Index = indoor unit total capacity/outdoor unit capacity.

(4) Sound values are measured in a semi-anechoic room, at a position 1m(3.28ft.) in front of the unit and 1.3m(4.26ft.) above the floor.

technical data

CRV6i 380-415V, 3N, 50(60)Hz

Capacity			HP	8	10	12
Model				MV6-i252T	MV6-i280T	MV6-i335T
Power supply		V/N/Hz		380-415/3/50(60)		
Cooling ¹	Capacity	kW		25.2	28	33.5
		kBtu/h		86	95.5	114.3
	Power input	kW		5.5	6.7	8.9
		EER		4.55	4.2	3.75
Heating ² (Rated)	Capacity	kW		25.2	28	33.5
		kBtu/h		86	95.5	114.3
	Power input	kW		4.8	5.5	7.6
		COP		5.2	5.1	4.4
Heating ² (Max)	Capacity	kW		27.0	31.5	37.5
		kBtu/h		92.1	107.5	128.0
	Power input	kW		5.42	6.57	9.13
		COP		4.98	4.79	4.11
Connected indoor unit	Total capacity ³			50-130% of outdoor unit capacity		
	Maximum quantity			13	16	20
Compressors	Type			DC inverter		
	Quantity			1		
Fan motors	Type			DC		
	Quantity			1		
	Max. ESP	Pa		20 Default; 60 Customization Option		
Refrigerant	Type			R410A		
	Factory charge		kg	11		
Pipe connections	Liquid pipe		mm	Φ12.7		Φ15.9
	Gas pipe		mm	Φ25.4		Φ28.6
Airflow rate		m ³ /h		11000		
Sound pressure level ⁴		dB(A)		58	58	60
Net dimensions (W×H×D)		mm		990×1635×790		
Packed dimensions (W×H×D)		mm		1090×1805×860		
Net weight		kg		227		
Gross weight		kg		242		
Ambient temp. operating range	Cooling	°C		-5 to 54		
		°C		-25 to 24		

Capacity		HP	14	16	18
Model			MV6-i400T	MV6-i450T	MV6-i500T
Power supply		V/N/Hz		380-415/3/50(60)	
Cooling ¹	Capacity	kW	40	45	50
		kBtu/h	136.5	153.5	170.6
	Power input	kW	11	12.9	14.7
	EER		3.65	3.5	3.4
Heating ² (Rated)	Capacity	kW	40	45	50
		kBtu/h	136.5	153.5	170.6
	Power input	kW	9.3	10.7	12.2
	COP		4.3	4.2	4.1
Heating ² (Max)	Capacity	kW	45.0	50.0	56.0
		kBtu/h	153.5	170.6	191.1
	Power input	kW	11.23	12.89	14.72
	COP		4.01	3.88	3.80
Connected indoor unit	Total capacity ³		50-130% of outdoor unit capacity		
	Maximum quantity		23	26	29
Compressors	Type		DC inverter		
	Quantity		1		
Fan motors	Type		DC		
	Quantity		1		
	Max. ESP	Pa	20 Default; 60 Customization Option		
Refrigerant	Type		R410A		
	Factory charge	kg	13		
Pipe connections	Liquid pipe	mm	Φ15.9		Φ19.1
	Gas pipe	mm	Φ31.8		
Airflow rate		m ³ /h	13000		
Sound pressure level ⁴		dB(A)	60	61	62
Net dimensions (WxHxD)		mm	1340x1635x850		
Packed dimensions (WxHxD)		mm	1405x1805x910		
Net weight		kg	277		295
Gross weight		kg	304		322
Ambient temp. operating range	Cooling	°C	-5 to 54		
	Heating	°C	-25 to 24		

technical data

CRV6i

Capacity		HP	20		22	
Model			CRV6i-XMi 560T		CRV6i-XMi 615T	
Power supply		V/N/Hz	380-415/3/50(60)			
Cooling ¹	Capacity	kW	56		61.5	
		kBtu/h	191.1		209.8	
	Power input	kW	16		20.2	
	EER		3.5		3.05	
Heating ² (Rated)	Capacity	kW	56		61.5	
		kBtu/h	191.1		209.8	
	Power input	kW	13.8		17.6	
	COP		4.05		3.5	
Heating ² (Max)	Capacity	kW	63.0		69.0	
		kBtu/h	215.0		235.4	
	Power input	kW	16.61		20.83	
	COP		3.79		3.31	
Connected indoor unit	Total capacity ³		50-130% of outdoor unit capacity			
	Maximum quantity		33		36	
Compressors	Type		DC inverter			
	Quantity		2			
Fan motors	Type		DC			
	Quantity		2			
	Max. ESP	Pa	20 Default; 60 Customization Option			
Refrigerant	Type		R410A			
	Factory charge	kg	17			
Pipe connections	Liquid pipe	mm	Φ19.1			
	Gas pipe	mm	Φ31.8			
Airflow rate		m ³ /h	17000			
Sound pressure level ⁴		dB(A)	63			
Net dimensions (W×H×D)		mm	1340×1635×825			
Packed dimensions (W×H×D)		mm	1405×1805×910			
Net weight		kg	344			
Gross weight		kg	364			
Ambient temp. operating range	Cooling	°C	-5 to 54			
	Heating	°C	-25 to 24			

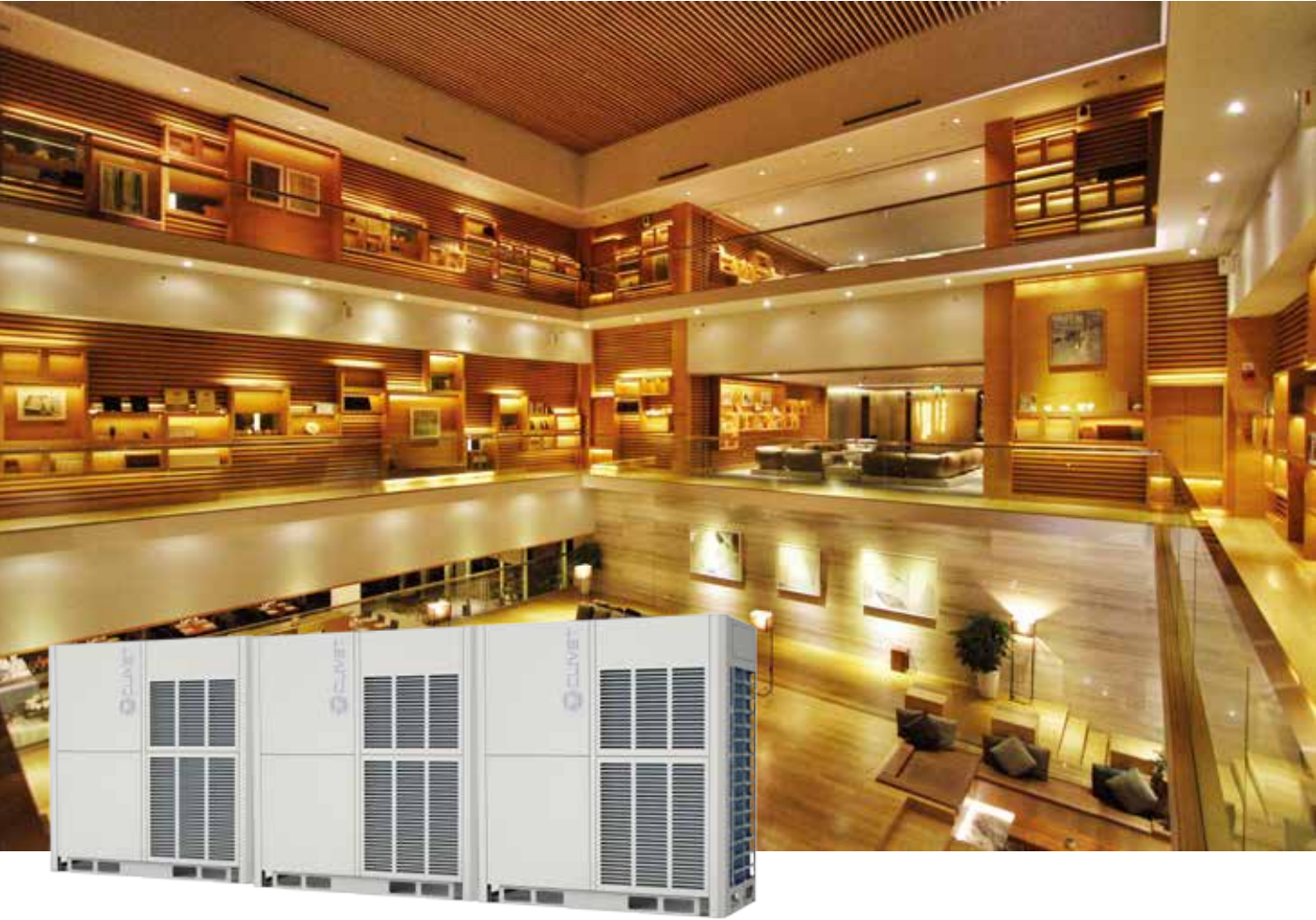
Capacity		HP	24	26	28	30	32
Model			CRV6i-XMi 670T	CRV6i-XMi 730T	CRV6i-XMi 785T	CRV6i-XMi 850T	CRV6i-XMi 900T
Power supply		V/N/Hz	380-415/3/50(60)				
Cooling ¹	Capacity	kW	67	73	78.5	85	90
		kBtu/h	228.6	249.1	267.8	290	307.1
	Power input	kW	21.6	21.6	24.9	28.3	32.1
	EER		3.1	3.4	3.15	3	2.8
Heating ² (Rated)	Capacity	kW	67	73	78.5	85	90
		kBtu/h	228.6	249.1	267.8	290	307.1
	Power input	kW	16.8	18.1	21.8	24.3	26.5
	COP		4	4.05	3.6	3.5	3.4
Heating ² (Max)	Capacity	kW	75.0	81.5	87.5	95.0	100.0
		kBtu/h	255.9	278.1	298.6	324.1	341.2
	Power input	kW	20.28	21.57	26.69	29.37	31.58
	COP		3.70	3.78	3.28	3.24	3.17
Connected indoor unit	Total capacity ³		50-130% of outdoor unit capacity				
	Maximum quantity		39	43	46	50	53
Compressors	Type		DC inverter				
	Quantity		2				
Fan motors	Type		DC				
	Quantity		2				
Refrigerant	Max. ESP	Pa	20 Default; 60 Customization Option				
	Type		R410A				
Pipe connections	Factory charge	kg	22			25	
	Liquid pipe	mm	Φ19.1	Φ22.2			
	Gas pipe	mm	Φ31.8			Φ38.1	
Airflow rate		m ³ /h	25000			24000	
Sound pressure level ⁴		dB(A)	64				
Net dimensions (WxHxD)		mm	1730x1830x850				
Packed dimensions (WxHxD)		mm	1800x2000x910				
Net weight		kg	407	429	475		
Gross weight		kg	430	452	507		
Ambient temp. operating range	Cooling	°C	-5 to 54				
	Heating	°C	-25 to 24				

- Notes
- (1) Indoor temperature 27°C DB/19°C WB; Outdoor temperature 35°C DB/24°C WB. Interconnecting piping length is 7.5m, level difference is zero.

(2) Indoor temperature 20°C DB/15°C WB; Outdoor temperature 7°C DB/6°C WB. Interconnecting piping length is 7.5m, level difference is zero.

(3) Total Capacity Index = indoor unit total capacity/outdoor unit capacity

(4) Sound values are measured in a semi-anechoic room, at a position 1m in front of the unit and 1.3m above the floor.



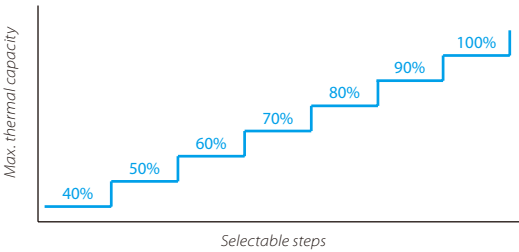
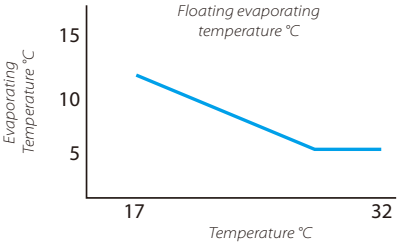
VRF CRVC

High efficiency cooling only outdoor units

High Efficiency

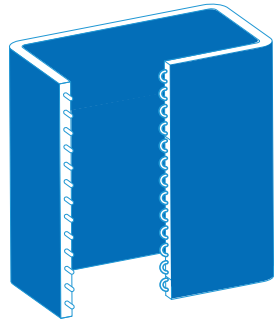
EMS (ENERGY MANAGEMENT SYSTEM)
Floating refrigerant temperature for balancing comfort and efficiency
The evaporating temperature (in cooling) and condensing temperature (in heating) are automatically adjusted according to both indoor and outdoor temperature to maximize the comfort and energy efficiency.

Capacity output limitation for shortage of electricity
With the integration of EMS, for projects with limited electricity supply, CRVC can be set to output 40-100% capacity.



4-SIDE HEAT EXCHANGER

24-30HP units use a high efficiency G-shape heat exchanger with a heat exchange area 1.5 times that of the 22HP unit.



2-rows G-type heat exchanger

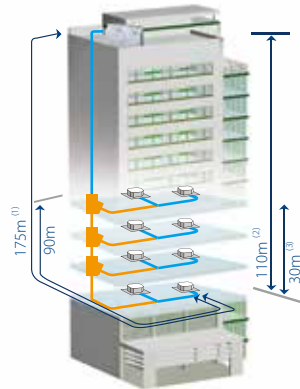
Wide Application Range

WIDE CAPACITY RANGE

For single unit, the footprint is small and maximum capacity is up to 30HP. For combined units, maximum three 30HP units can be combined with capacity up to 90HP.



LONG PIPING CAPABILITY



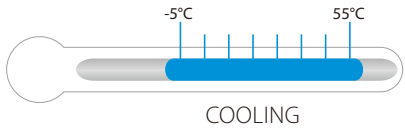
Piping length	Capability
Total piping length	1000m
Longest length - actual (equivalent)	175m (200m)
Longest length after first branch	90m*
Largest height difference between indoor and outdoor units - ODU up (down)	90m (110m)
Largest height difference between indoor units	30m

* The longest length after first branch is 40m as standard but can be extended to up to 90m under certain conditions. Please refer to technical manual for further information.

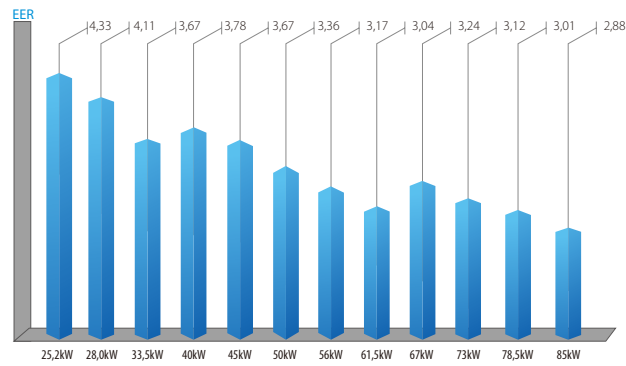
- (1) Longest actual piping length
- (2) Level difference between indoor units and outdoor units
- (3) Level difference between indoor units

WIDE OPERATION RANGE

VRF CRVC can operate in a wide ambient temperature range. It can operate stably from -5°C up to 55°C in cooling mode.



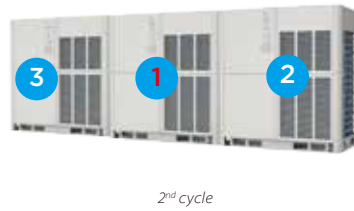
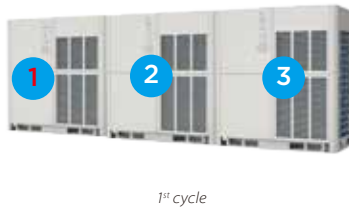
HIGH EER AND COP VALUES



High Reliability

DUTY CYCLING

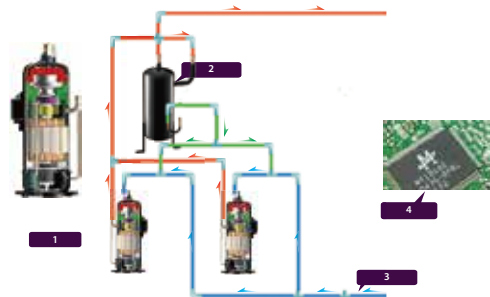
Duty cycling equalizes the running time of the outdoor units in a multiple-unit system and of the compressors in each unit, significantly extending compressor lifespan.



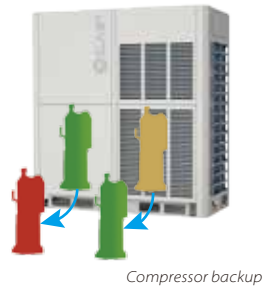
PRECISE OIL CONTROL TECHNOLOGY

Four stages of oil control technology ensure all outdoor compressor oil is always kept at a safe level, eliminating any compressor oil shortage problems.

1. Compressor internal oil separation.
2. High-efficiency centrifugal oil separator (with separation efficiency of up to 99%) ensures that oil is separated from the discharge gas and returned to the compressors in a timely fashion.
3. Oil balance pipes between compressors ensure even oil distribution to keep compressors running normally.
4. Auto oil return program monitors the running time and system status to ensure reliable oil return.



BACKUP OPERATION



- Operation compressor
- Standby compressor
- Failed compressor

Compressor backup

In one unit with two compressors, if one compressor is failed, the other compressor can be backup instead of the failed one to maintain up to 4 days interim capacity, allowing time for maintenance or repair while comfort remains guaranteed.

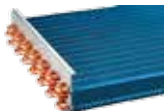
In a multi-unit system, if one module fails, the other modules provide backup so that the system can continue operating.

ANTI-CORROSION PROTECTION

Outdoor units are given anti-corrosion treatment for non-extreme conditions as standard and can also be customized with heavy anti-corrosion treatment on main components for surface protection against corrosive air, acid rain and saline air (for installations in coastal regions) to extend overall useful life. The integrity of the anti-corrosion treatment is ensured by subjecting major components and parts to salt mist testing, moisture and heating testing and light aging testing.

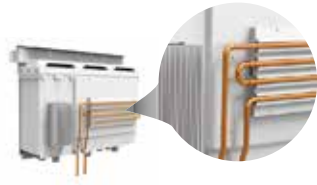
Please contact your local dealer for further information about customization price and availability

- Fan motor
- Painted sheet metal
- Screws / Bolts / Gaskets
- Heat exchanger aluminum foil
- Heat exchanger copper pipe
- Electric Control Box Case



REFRIGERANT COOLING PCB

The CRVC series uses refrigerant cooling technology to cool the electric control box. It decreases the average temperature of electrical control components by about 8 degrees, guaranteeing the stable and safe running of the control system.



DUST-CLEAN FUNCTION

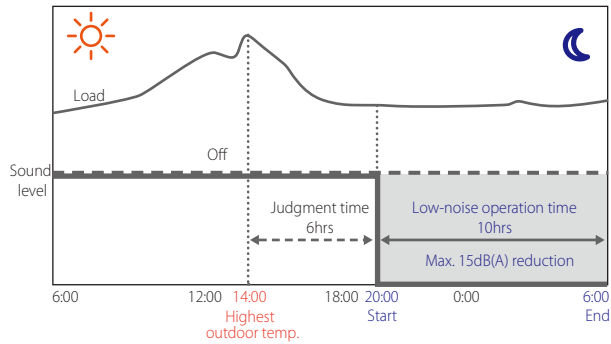
The innovatively designed dust-clean function enables the outdoor unit to prevent the dust by itself.



Enhanced Comfort

NIGHT SILENT MODE

The night silent mode feature includes various scheduling options that can be used to reduce noise levels at times when low noise operation is required.



SILENT TECHNOLOGY FEATURES

Several noise reducing components reduce the running noise of outdoor units.



PRECISE TEMPERATURE CONTROL

VRF CRVC outdoor unit uses multiple and high precision EXVs to create comfortable indoor environment. The EXV control precision is up to 3000-stage which can precisely control refrigerant -ow and guarantee stable indoor temperature. In this way, temperature setting can be adjusted in 0.5°C step, enabling precise comfort control.



Easy Installation and Service

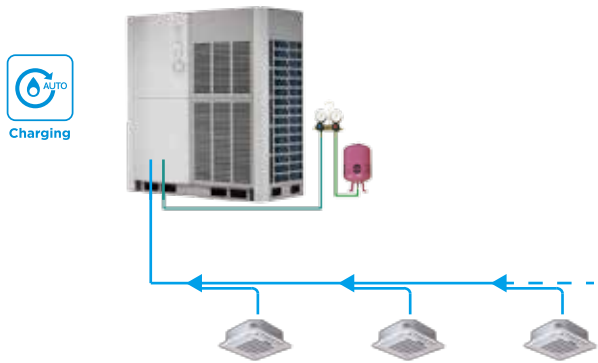
AUTO ADDRESSING

Outdoor unit can distribute addresses to indoor units automatically. Remote and wired controllers can be used to query or modify each indoor unit's address.

AUTOMATIC REFRIGERANT CHARGING FUNCTION*

Automatic refrigerant charging function make the installation and service easier and more efficient.

*This function needs to be customized.



MR. DOCTOR

Force cooling /heating commissioning: Force cooling or force heating operation can check the system comprehensively and quickly.

Self-diagnosys: All new diagnosis software to monitor all operating parameters and detailed information.

Automatic data backup: Automatic data backup of last 30 minute's operation record.

Auxiliary PCB for quick access: placed on side column of the unit, it provides easy access to LED display and main settings without removing the front panel



technical data

CRVC
380V, 3N, 50(60)Hz

HP			8	10	12
Model name			CRVC-XMi 224T	CRVC-XMi 280T	CRVC-XMi 335T
Power supply		V/N/Hz	380-415/3/50(60)		
Cooling ¹	Capacity	kW	22.4	28.0	33.5
		kBtu/h	76.5	95.6	114.4
	Power input	kW	5.17	6.81	9.13
		EER	4.33	4.11	3.67
Connected indoor unit	Total capacity ²		50-130%		
	Maximum quantity		13	16	20
Compressor	Type		DC inverter		
	Quantity		1		
Fan	Type		DC		
	Model		ZKSN-560-8-42L		
	Quantity		1		
	Motor output	kW	0.56		
	Max. ESP	Pa	20 default;60 customization option		
	Airflow rate	m³/h	10400		10800
Refrigerant	Type		R410A		
	Factory charge	kg	8		
Pipe connections	Liquid pipe	mm	Φ12.7	Φ12.7	Φ15.9
	Gas pipe	mm	Φ25.4	Φ25.4	Φ28.6
Sound pressure level ³		dB(A)	57	58	60
Net dimensions (WxHxD)		mm	960×1615×765		
Packed dimensions (WxHxD)		mm	1025×1790×830		
Net weight		kg	188		
Gross weight		kg	204		
Ambient temp.	Cooling	°C	-5 °C to 55 °C		

HP			14	16	18	20
Model name			CRVC-XMi 400T	CRVC-XMi 450T	CRVC-XMi 500T	CRVC-XMi 560T
Power supply		V/N/Hz	380-415/3/50(60)			
Cooling ¹	Capacity	kW	40.0	45.0	50.0	56.0
		kBtu/h	136.6	153.7	170.8	191.3
	Power input	kW	10.58	12.26	14.88	17.66
		EER	3.78	3.67	3.36	3.17
Connected indoor unit	Total capacity ²		50-130%			
	Maximum quantity		23	26	29	33
Compressor	Type		DC inverter			
	Quantity		1		2	
Fan	Type		DC			
	Model		ZKSN-750-8-2		ZKSN-560-8-42L	
	Quantity		1		2	
	Motor output	kW	0.75		0.56×2	
	Max. ESP	Pa	20 default;60 customization option			
	Airflow rate	m³/h	11600		12000	12200
Refrigerant	Type		R410A		R410A	
	Factory charge	kg	11		13	
Pipe connections	Liquid pipe	mm	Φ15.9		Φ19.1	
	Gas pipe	mm	Φ31.8		Φ31.8	
Sound pressure level ³		dB(A)	60		63	
Net dimensions (WxHxD)		mm	960×1615×765		1250×1615×765	
Packed dimensions (WxHxD)		mm	1025×1790×830		1305×1790×820	
Net weight		kg	197		278	
Gross weight		kg	213		297	
Ambient temp.	Cooling	°C	-5 °C to 55 °C			

Notes

(1) Indoor temperature 27°C DB/19°C WB; Outdoor temperature 35°C DB/24°C WB. Interconnecting piping length is 7,5m, level difference is zero.

(2) Total Capacity Index = indoor unit total capacity/outdoor unit capacity

(3) Sound values are measured in a semi-anechoic room, at a position 1m in front of the unit and 1,3m above the floor.

technical data

CRVC
380V, 3N, 50(60)Hz

HP			22	24	26
Model name			CRVC-XMi 615T	CRVC-XMi 670T	CRVC-XMi 730T
Power supply		V/N/Hz	380-415/3/50(60)		
Cooling ¹	Capacity	kW	61.5	67.0	73.0
		kBtu/h	210.0	228.8	249.3
	Power input	kW	20.23	20.68	23.40
	EER		3.04	3.24	3.12
Connected indoor unit	Total capacity ²		50-130%	50-130%	50-130%
	Maximum quantity		36	39	43
Compressor	Type		DC inverter		
	Quantity		2		
Fan	Type		DC		
	Model		ZKSN-560-8-42L		
	Quantity		2		
	Motor output	kW	0.56×2		
	Max. ESP	Pa	20 default;60 customization option		
	Airflow rate	m³/h	12200	19600	
Refrigerant	Type		R410A		
	Factory charge	kg	13	19	
Pipe connections	Liquid pipe	mm	Φ19.1		Φ22.2
	Gas pipe	mm	Φ31.8		
Sound pressure level ³		dB(A)	63	64	
Net dimensions (W×H×D)		mm	1250×1615×765	1585×1615×765	
Packed dimensions (W×H×D)		mm	1305×1790×820	1650×1810×840	
Net weight		kg	278	338	
Gross weight		kg	297	362	
Ambient temp.	Cooling	°C	-5 °C to 55 °C		

HP			28	30
Model name			CRVC-XMi 785T	CRVC-XMi 850T
Power supply		V/N/Hz	380-415/3/50(60)	
Cooling ¹	Capacity	kW	78.5	85.0
		kBtu/h	268.1	290.3
	Power input	kW	26.08	29.51
		EER	3.01	2.88
Connected indoor unit	Total capacity ²		50-130%	50-130%
	Maximum quantity		46	50
Compressor	Type		DC inverter	
	Quantity		2	
Fan	Type		DC	
	Model		ZKSN-560-8-42L	
	Quantity		2	
	Motor output	kW	0.56×2	
	Max. ESP	Pa	20 default;60 customization option	
	Airflow rate	m³/h	20600	
Refrigerant	Type		R410A	
	Factory charge	kg	19	
Pipe connections	Liquid pipe	mm	Φ22.2	
	Gas pipe	mm	Φ31.8	Φ38.1
Sound pressure level ³		dB(A)	64	
Net dimensions (WxHxD)		mm	1585×1615×765	
Packed dimensions (WxHxD)		mm	1650×1810×840	
Net weight		kg	338	
Gross weight		kg	362	
Ambient temp.	Cooling	°C	-5 °C to 55 °C	

Notes

(1) Indoor temperature 27°C DB/19°C WB; Outdoor temperature 35°C DB/24°C WB. Interconnecting piping length is 7,5m, level difference is zero.

(2) Total Capacity Index = indoor unit total capacity/outdoor unit capacity

(3) Sound values are measured in a semi-anechoic room, at a position 1m in front of the unit and 1,3m above the floor.

technical data

CRVC
380V, 3N, 50(60)Hz

HP			32	34	36	38
Model name			CRVC-XMi 900T	CRVC-XMi 950T	CRVC-XMi 1010T	CRVC-XMi 1065T
Combination type			16HP+16HP	22HP+12HP	20HP+16HP	22HP+16HP
Power supply		V/N/Hz	380-415/3/50(60)			
Cooling ¹	Capacity	kW	90.0	95.0	101.0	106.5
		kBtu/h	307.4	324.4	345.0	363.7
	Power input	kW	24.52	29.36	29.92	32.49
	EER		3.67	3.24	3.38	3.28
Connected indoor unit	Total capacity ²		50-130%			
	Maximum quantity		53	56	59	63
Compressor	Type		DC inverter			
	Quantity		2	3		
Fan	Type		DC			
	Quantity		2	3		
	Max. ESP	Pa	20 default;60 customization option			
Refrigerant	Type		R410A			
	Factory charge	kg	11×2	13+8	13+11	
Pipe connections	Liquid pipe	mm	19.1	19.1	19.1	
	Gas pipe	mm	31.8	31.8	38.1	
Sound pressure level ³		dB(A)	64	65		
Net dimensions (W×H×D)		mm	(960×1615×765)×2		(1250×1615×765)+(960×1615×765)	
Packed dimensions (W×H×D)		mm	(1025×1790×830)×2		(1305×1790×820)+(1025×1790×830)	
Net weight		kg	188×2		278+188	
Gross weight		kg	204×2		297+204	
Ambient temp	Cooling	°C	-5°C to 55 °C			

HP			40	42	44
Model name			CRVC-XMi 1120T	CRVC-XMi 1180T	CRVC-XMi 1235T
Combination type			24HP+16HP	26HP+16HP	28HP+16HP
Power supply		V/N/Hz	380-415/3/50(60)		
Cooling ¹	Capacity	kW	112.0	118.0	123.5
		kBtu/h	382.5	403.0	421.8
	Power input	kW	32.94	35.66	38.34
	EER		3.40	3.31	3.22
Connected indoor unit	Total capacity ²		50-130%		
	Maximum quantity		64		
Compressor	Type		DC inverter		
	Quantity		3		
Fan	Type		DC		
	Quantity		3		
	Max. ESP	Pa	20 default;60 customization option		
Refrigerant	Type		R410A		
	Factory charge	kg	19+11		
Pipe connections	Liquid pipe	mm	19.1		
	Gas pipe	mm	38.1		
Sound pressure level ³		dB(A)	65		66
Net dimensions (W×H×D)		mm	(1585×1615×765)+(960×1615×765)		
Packed dimensions (W×H×D)		mm	(1650×1810×840)+(1025×1790×830)		
Net weight		kg	338+188		
Gross weight		kg	362+204		
Ambient temp.	Cooling	°C	-5°C to 55 °C		

Notes

- (1) Indoor temperature 27°C DB/19°C WB; Outdoor temperature 35°C DB/24°C WB. Interconnecting piping length is 7,5m, level difference is zero.

(2) Total Capacity Index = indoor unit total capacity/outdoor unit capacity
- (3) Sound values are measured in a semi-anechoic room, at a position 1m in front of the unit and 1,3m above the floor.

technical data

CRVC
380V, 3N, 50(60)Hz

HP			46	48	50	52
Model name			CRVC-XMi 1300T	CRVC-XMi 1345T	CRVC-XMi 1400T	CRVC-XMi 1465T
Combination type			30HP+16HP	26HP+22HP	28HP+22HP	30HP+22HP
Power supply		V/N/Hz	380-415/3/50(60)			
Cooling ¹	Capacity	kW	130.0	134.5	140.0	146.5
		kBtu/h	444.0	459.3	478.1	500.3
	Power input	kW	41.77	43.63	46.31	49.74
	EER		3.11	3.08	3.02	2.95
Connected indoor unit	Total capacity ²		50-130%			
	Maximum quantity		64			
Compressor	Type		DC inverter			
	Quantity		3	4		
Fan	Type		DC			
	Quantity		3	4		
	Max. ESP	Pa	20 default;60 customization option			
Refrigerant	Type		R410A			
	Factory charge	kg	19+11	19+13		
Pipe connections	Liquid pipe	mm	19.1			
	Gas pipe	mm	38.1			
Sound pressure level ³		dB(A)	66			
Net dimensions (WxHxD)		mm	(1585×1615×765)+(960×1615×765)	(1585×1615×765)+(1250×1615×765)		
Packed dimensions (WxHxD)		mm	(1650×1810×840)+(1025×1790×830)	(1650×1810×840)+(1305×1790×820)		
Net weight		kg	338+188			
Gross weight		kg	362+204			
Ambient temp.	Cooling	°C	-5°C to 55 °C			

HP			54	56	58
Model name			CRVC-XMi 1515T	CRVC-XMi 1570T	CRVC-XMi 1635T
Combination type			28HP+26HP	28HP+28HP	30HP+28HP
Power supply		V/N/Hz	380-415/3/50(60)		
Cooling ¹	Capacity	kW	151.5	157.0	163.5
		kBtu/h	517.4	536.2	558.4
	Power input	kW	49.48	52.16	55.59
	EER		3.06	3.01	2.94
Connected indoor unit	Total capacity ²		50-130%		
	Maximum quantity		64		
Compressor	Type		DC inverter		
	Quantity		4		
Fan	Type		DC		
	Quantity		4		
	Max. ESP	Pa	20 default;60 customization option		
Refrigerant	Type		R410A		
	Factory charge	kg	19×2		
Pipe connections	Liquid pipe	mm	19.1		
	Gas pipe	mm	38.1	41.2	
Sound pressure level ³		dB(A)	66	66	
Net dimensions (W×H×D)		mm	(1585×1615×765)×2		
Packed dimensions (W×H×D)		mm	(1650×1810×840)×2		
Net weight		kg	338×2		
Gross weight		kg	362×2		
Ambient temp.	Cooling	°C	-5°C to 55 °C		

Notes

- (1) Indoor temperature 27°C DB/19°C WB; Outdoor temperature 35°C DB/24°C WB. Interconnecting piping length is 7,5m, level difference is zero.

(2) Total Capacity Index = indoor unit total capacity/outdoor unit capacity
- (3) Sound values are measured in a semi-anechoic room, at a position 1m in front of the unit and 1,3m above the floor.

technical data

CRVC
380V, 3N, 50(60)Hz

HP			60	62	64	66
Model name			CRVC-XMi 1700T	CRVC-XMi 1750T	CRVC-XMi 1795T	CRVC-XMi 1850T
Combination type			30HP+30HP	30HP+16HP+16HP	26HP+22HP+16HP	28HP+22HP+16HP
Power supply		V/N/Hz	380-415/3/50(60)			
Cooling ¹	Capacity	kW	170.0	175.0	179.5	185.0
		kBtu/h	580.6	597.8	613.0	631.8
	Power input	kW	59.02	54.03	55.89	58.57
	EER		2.88	3.24	3.21	3.16
Connected indoor unit	Total capacity ²		50-130%			
	Maximum quantity		64			
Compressor	Type		DC inverter			
	Quantity		4		5	
Fan	Type		DC			
	Quantity		4		5	
	Max. ESP	Pa	20 default;60 customization option			
Refrigerant	Type		R410A			
	Factory charge	kg	19×2	19+11×2	19+13+11	
Pipe connections	Liquid pipe	mm	19.1			
	Gas pipe	mm	41.2			
Sound pressure level ³		dB(A)	66			
Net dimensions (W×H×D)		mm	(1585×1615×765)×2	(1585×1615×765)+(960×1615×765)×2	(1585×1615×765)+(1250×1615×765)+(960×1615×765)	
Packed dimensions (W×H×D)		mm	(1650×1810×840)×2	(1650×1810×840)+(1025×1790×830)×2	(1650×1810×840)+(1305×1790×820)+(1025×1790×830)	
Net weight		kg	338×2	338+188×2	338+278+197	
Gross weight		kg	362×2	362+204×2	362+297+213	
Ambient temp	Cooling	°C	-5°C to 55 °C			

HP			68	70	72	74
Model name			CRVC-XMi 1915T	CRVC-XMi 1965T	CRVC-XMi 2020T	CRVC-XMi 2085T
Combination type			30HP+22HP+16HP	28HP+26HP+16HP	28HP+28HP+16HP	30HP+28HP+16HP
Power supply		V/N/Hz	380-415/3/50(60)			
Cooling ¹	Capacity	kW	191.5	196.5	202.0	208.5
		kBtu/h	654.1	671.1	689.9	712.2
	Power input	kW	62.00	61.74	64.42	67.85
	EER		3.09	3.18	3.14	3.07
Connected indoor unit	Total capacity ²		50-130%			
	Maximum quantity		64			
Compressor	Type		DC inverter			
	Quantity		5			
Fan	Type		DC			
	Quantity		5			
	Max. ESP	Pa	20 default;60 customization option			
Refrigerant	Type		R410A			
	Factory charge	kg	19+13+11	19×2+11		
Pipe connections	Liquid pipe	mm	22.2			
	Gas pipe	mm	44.5			
Sound pressure level ³		dB(A)	67			68
Net dimensions (W×H×D)		mm	(1585×1615×765)+(1250×1615×765)+(960×1615×765)	(1585×1615×765)×2+(960×1615×765)		
Packed dimensions (W×H×D)		mm	(1650×1810×840)+(1305×1790×820)+(1025×1790×830)	(1650×1810×840)×2+(1025×1790×830)		
Net weight		kg	338+278+197	338×2+188		
Gross weight		kg	362+297+213	362×2+204		
Ambient temp	Cooling	°C	-5°C to 55 °C			

- Notes
- (1)Indoor temperature 27°C DB/19°C WB; Outdoor temperature 35°C DB/24°C WB. Interconnecting piping length is 7,5m, level difference is zero.

(2)Total Capacity Index = indoor unit total capacity/outdoor unit capacity

(3)Sound values are measured in a semi-anechoic room, at a position 1m in front of the unit and 1,3m above the floor.

technical data

CRVC
380V, 3N, 50(60)Hz

HP			76	78	80	82
Model name			CRVC-XMi 2150T	CRVC-XMi 2185T	CRVC-XMi 2250T	CRVC-XMi 2315T
Combination type			30HP+30HP+16HP	28HP+28HP+22HP	30HP+28HP+22HP	30HP+30HP+22HP
Power supply		V/N/Hz	380-415/3/50(60)			
Cooling ¹	Capacity	kW	215.0	218.5	225.0	231.5
		kBtu/h	734.4	746.2	768.4	790.6
	Power input	kW	71.28	72.39	75.82	79.25
	EER		3.02	3.02	2.97	2.92
Connected indoor unit	Total capacity ²		50-130%			
	Maximum quantity		64			
Compressor	Type		DC inverter			
	Quantity		5	6		
Fan	Type		DC			
	Quantity		5	6		
	Max. ESP	Pa	20 default;60 customization option			
Refrigerant	Type		R410A			
	Factory charge	kg	19x2+11	19x2+13		
Pipe connections	Liquid pipe	mm	22.2			
	Gas pipe	mm	44.5			
Sound pressure level ³		dB(A)	68			
Net dimensions (WxHxD)		mm	(1585x1615x765)x2+(960x1615x765)	(1585x1615x765)x2+(1250x1615x765)		
Packed dimensions (WxHxD)		mm	(1650x1810x840)x2+(1025x1790x830)	(1650x1810x840)x2+(1305x1790x820)		
Net weight		kg	338x2+188			
Gross weight		kg	362x2+204			
Ambient temp	Cooling	°C	-5°C to 55 °C			

HP			84	86	88	90
Model name			CRVC-XMi 2355T	CRVC-XMi 2420T	CRVC-XMi 2485T	CRVC-XMi 2550T
Combination type			28HP+28HP+28HP	30HP+28HP+28HP	30HP+30HP+28HP	30HP+30HP+30HP
Power supply		V/N/Hz	380-415/3/50(60)			
Cooling ¹	Capacity	kW	235.5	242.0	248.5	255.0
		kBtu/h	804.3	826.5	848.7	870.9
	Power input	kW	78.24	81.67	85.10	88.53
	EER		3.01	2.96	2.92	2.88
Connected indoor unit	Total capacity ²		50-130%			
	Maximum quantity		64			
Compressor	Type		DC inverter			
	Quantity		6			
Fan	Type		DC			
	Quantity		6			
	Max. ESP	Pa	20 default;60 customization option			
Refrigerant	Type		R410A			
	Factory charge	kg	19×3			
Pipe connections	Liquid pipe	mm	25.4			
	Gas pipe	mm	50.8			
Sound pressure level ³		dB(A)	68			
Net dimensions (WxHxD)		mm	(1585×1615×765)×3			
Packed dimensions (WxHxD)		mm	(1650×1810×840)×3			
Net weight		kg	338x3			
Gross weight		kg	362x3			
Ambient temp	Cooling	°C	-5°C to 55 °C			

- Notes
- (1)Indoor temperature 27°C DB/19°C WB; Outdoor temperature 35°C DB/24°C WB. Interconnecting piping length is 7,5m, level difference is zero.

(2)Total Capacity Index = indoor unit total capacity/outdoor unit capacity

(3)Sound values are measured in a semi-anechoic room, at a position 1m in front of the unit and 1,3m above the floor.

technical data

CRVC
220V, 3Ph, 50(60)Hz

HP			8	10	12
Model name			CRVC-XMi 224W	CRVC-XMi 280W	CRVC-XMi 335W
Power supply			220/3/50(60)		
Cooling ¹	Capacity	kW	22.4	28.0	33.5
		kBtu/h	76.5	95.6	114.4
	Power input	kW	5.25	7.10	8.90
	EER		4.27	3.94	3.76
Connected indoor unit	Total capacity ²		50-130%		
	Maximum quantity		13	16	20
Compressor	Type		DC inverter		
	Quantity		1		
Fan	Type		DC		
	Quantity		1		
	Motor output	kW	0.56		
	Static pressure	Pa(in.wg)	20(0.08) default;60(0.24) customization option		
	Airflow rate	m³/h(CFM)	10400(6121)		10800(6357)
	Drive type		Direct		
Refrigerant	Type		R410A		
	Factory charge	kg(lbs)	8(17.6)		
Pipe connections	Liquid pipe	mm(inch)	Φ12.7(1/2)		
	Gas pipe	mm(inch)	Φ25.4(1)		Φ28.6(1-1/8)
Sound pressure level ³		dB(A)	57	58	60
Net dimensions (WxHxD)	mm		960×1615×765		
	inch		37-13/16×63-9/16×30-1/8		
Packed dimensions (WxHxD)	mm		1025×1790×830		
	inch		40-3/8×70-1/2×32-1/16		
Net weight	kg		193		
	lbs		425		
Gross weight	kg		209		
	lbs		461		
Ambient temp.	Cooling	°C (°F)	-5~55 (23~131)		

			14	16	18	20
Model name			CRVC-XMi 400W	CRVC-XMi 450W	CRVC-XMi 500W	CRVC-XMi 560W
Power supply		V/Ph/Hz	220/3/50(60)			
Cooling ¹	Capacity	kW	40.0	45.0	50.0	56.0
		kBtu/h	136.6	153.7	170.8	191.3
	Power input	kW	10.30	12.00	13.70	16.50
	EER		3.88	3.75	3.65	3.39
Connected indoor unit	Total capacity ²		50-130%			
	Maximum quantity		23	26	29	33
Compressor	Type		DC inverter			
	Quantity		1		2	
Fan	Type		DC			
	Quantity		1		2	
	Motor output	kW	0.75		0.56x2	
	Static pressure	Pa(in.wg)	20(0.08) default;60(0.24) customization option			
	Airflow rate	m³/h(CFM)	11600(6828)		12000(7063)	12200(7181)
	Drive type		Direct			
Refrigerant	Type		R410A			
	Factory charge	kg(lbs)	11(24.3)		13(28.7)	
Pipe connections	Liquid pipe	mm(inch)	Φ15.9(5/8)			
	Gas pipe	mm(inch)	Φ31.8(1-1/4)			
Sound pressure level ³		dB(A)	60	61	62	63
Net dimensions (WxHxD)	mm		960x1615x765		1250x1615x765	
	inch		37-13/16x63-9/16x30-1/8		49-1/4x63-9/16x30-1/8	
	mm		1025x1790x830		1305x1790x820	
Packed dimensions (WxHxD)	inch		40-3/8x70-1/2x32-11/16		51-3/8x70-1/2x32-1/4	
	kg		200		296	
Net weight	lbs		441		653	
	kg		216		313	
Gross weight	lbs		476		690	
	Ambient temp.	Cooling	°C (°F)			
			-5~55 (23~131)			

Notes

(1)

Indoor temperature 27°C(80,6°F) DB/19°C(66,2°F) WB; Outdoor temperature 35°C(95°F) DB/24°C (75,2°F) WB. Interconnecting piping length is 7,5m (24,6ft), level difference is zero.

(2)

Total Capacity Index = indoor unit total capacity/outdoor unit capacity.

(3)

Sound values are measured in a semi-anechoic room, at a position 1m(3,28ft) in front of the unit and 1,3m(4,26ft) above the floor.

technical data

CRVC
220V, 3Ph, 50(60)Hz

HP			22	24	26
Model name			CRVC-XMi 615W	CRVC-XMi 670W	CRVC-XMi 730W
Power supply		V/Ph/Hz	220/3/50(60)		
Cooling ¹	Capacity	kW	61.5	67.0	73.0
		kBtu/h	210.0	228.8	249.3
	Power input	kW	19.65	20.10	22.20
	EER		3.13	3.33	3.29
Connected indoor unit	Total capacity ²		50-130%		
	Maximum quantity		36	39	43
Compressor	Type		DC inverter		
	Quantity		2		
Fan	Type		DC		
	Quantity		2		
	Motor output	kW	0.56x2		
	Static pressure	Pa(in.wg)	20(0.08) default;60(0.24) customization option		
	Airflow rate	m³/h(CFM)	12200(7181)	19600(11536)	
	Drive type		Direct		
Refrigerant	Type		R410A		
	Factory charge	kg(lbs)	13(28.7)	19(41.9)	
Pipe connections	Liquid pipe	mm(inch)	Φ15.9(5/8)	Φ19.1(3/4)	Φ19.1(3/4)
	Gas pipe	mm(inch)	Φ31.8(1-1/4)	Φ31.8(1-1/4)	Φ34.9(1-3/8)
Sound pressure level ³		dB(A)	63	64	
Net dimensions (WxHxD)	mm		1250x1615x765	1585x1615x765	
	inch		49-1/4x63-9/16x30-1/8	62-3/8x63-9/16x30-1/8	
	mm		1305x1790x820	1650x1810x840	
Packed dimensions (WxHxD)	inch		51-3/8x70-1/2x32-1/4	64-15/160x71-1/4x33-1/16	
	kg		296	352	
Net weight	lbs		653	776	
	kg		313	376	
Gross weight	lbs		690	829	
	Ambient temp.	Cooling	°C (°F)	-5~-55 (23~-131)	

HP			28	30
Model name			CRVC-XMi 785W	CRVC-XMi 850W
Power supply			220/3/50(60)	
Cooling ¹	Capacity	kW	78.5	85.0
		kBtu/h	268.1	290.3
	Power input	kW	24.18	27.51
	EER		3.25	3.09
Connected indoor unit	Total capacity ²		50-130%	
	Maximum quantity		46	50
Compressor	Type		DC inverter	
	Quantity		2	
Fan	Type		DC	
	Quantity		2	
	Motor output	kW	0.56×2	
	Static pressure	Pa(in.wg)	20(0.08) default;60(0.24) customization option	
	Airflow rate	m³/h(CFM)	20600(12125)	
	Drive type		Direct	
Refrigerant	Type		R410A	
	Factory charge	kg(lbs)	19(41.9)	
Pipe connections	Liquid pipe	mm(inch)	Φ19.1(3/4)	
	Gas pipe	mm(inch)	Φ34.9(1-3/8)	
Sound pressure level ³		dB(A)	64	
Net dimensions (WxHxD)	mm		1585×1615×765	
	inch		62-3/8×63-9/16×30-1/8	
Packed dimensions (WxHxD)	mm		1650×1810×840	
	inch		64-15/160×71-1/4×33-1/16	
Net weight	kg		352	
	lbs		776	
Gross weight	kg		376	
	lbs		829	
Ambient temp.	Cooling	°C (°F)	-5~55 (23~131)	

Notes

(1)

Indoor temperature 27°C(80,6°F) DB/19°C(66,2°F) WB; Outdoor temperature 35°C(95°F) DB/24°C (75,2°F) WB. Interconnecting piping length is 7,5m (24,6ft), level difference is zero.

(2)

Total Capacity Index = indoor unit total capacity/outdoor unit capacity.

(3)

Sound values are measured in a semi-anechoic room, at a position 1m(3,28ft) in front of the unit and 1,3m(4,26ft) above the floor.

technical data

CRVC
220V, 3Ph, 50(60)Hz

HP			32	34	36	38
Model name			CRVC-XMi 900W	CRVC-XMi 950W	CRVC-XMi 1010W	CRVC-XMi 1065W
Combination type			16HP+16HP	22HP+12HP	20HP+16HP	22HP+16HP
Power supply			220/3/50(60)			
Cooling ¹	Capacity	V/Ph/Hz				
		kW	90.0	95.0	101.0	106.5
	Power input	kBtu/h	307.4	324.4	345.0	363.7
		kW	24.00	28.55	28.50	31.65
EER			3.75	3.33	3.54	3.36
Connected indoor unit	Total capacity ²		50-130%			
	Maximum quantity		53	56	59	63
Compressor	Type		DC inverter			
	Quantity		2	3		
	Oil type		FV 50s			
	Start-up method		Soft start			
Fan	Type		DC			
	Quantity		2	3		
	Motor output	kW	0.75x2	0.56x3	0.56x2+0.75	
	Static pressure	Pa(in.wg)	20(0.08) default; 60(0.24) customization option			
	Airflow rate	m³/h	23200	23000	23800	
		CFM	13655	13537	14008	
	Drive type		Direct			
Refrigerant	Type		R410A			
	Factory charge	kg	11x2	13+8	13+11	
		lbs	24x2	28.7+17.6	28.7+24.3	
Pipe connections	Liquid pipe	mm(inch)	Φ19.1(3/4)	Φ19.1(3/4)	Φ19.1(3/4)	
	Gas pipe	mm(inch)	Φ31.8(1-1/4)	Φ31.8(1-1/4)	Φ38.1(1-1/2)	
Sound pressure level ³		dB(A)	64	65		
Net dimensions (WxHxD)		mm	(960x1615x765)x2			
		inch	(1250x1615x765)			
Packed dimensions (WxHxD)		mm	(37-13/16x63-9/16x30-1/8)x2			
		inch	(49-7/32x63-9/16x30-1/8)+(37-13/16x63-9/16x30-1/8)			
Net weight		mm	(1025x1790x830)x2			
		inch	(1305x1790x820)+(1025x1790x830)			
Gross weight		mm	(40-3/8x70-1/2x32-11/16)x2			
		inch	(51-3/8x70-1/2x32-11/16)			
Net weight	kg		193x2	296+193		
	lbs		425x2	653+425		
Gross weight	kg		209x2	313+209		
	lbs		461x2	690+461		
Ambient temp.	Cooling	°C (°F)	-5~55 (23~131)			

HP			40	42	44
Model name			CRVC-XMi 1120W	CRVC-XMi 1180W	CRVC-XMi 1235W
Combination type			24HP+16HP	26HP+16HP	28HP+16HP
Power supply			220/3/50(60)		
Cooling ¹	Capacity	V/Ph/Hz			
		kW	112.0	118.0	123.5
	Power input	kBtu/h	382.5	403.0	421.8
		kW	32.10	34.20	36.18
EER		3.49	3.45	3.41	
Connected indoor unit	Total capacity ²		50-130%		
	Maximum quantity		64		
Compressor	Type		DC inverter		
	Quantity		3		
	Oil type		FV 50s		
	Start-up method		Soft start		
Fan	Type		DC		
	Quantity		3		
	Motor output	kW	0.56x2+0.75		
	Static pressure	Pa(in.wg)	20(0.08) default; 60(0.24) customization option		
	Airflow rate	m³/h	31200		32200
		CFM	18364		18952
	Drive type		Direct		
Refrigerant	Type		R410A		
	Factory charge	kg	19+11		
		lbs	41.9+24.3		
Pipe connections	Liquid pipe	mm(inch)	Φ19.1(3/4)		
	Gas pipe	mm(inch)	Φ38.1(1-1/2)		
Sound pressure level ³		dB(A)	65		66
Net dimensions (WxHxD)		mm	(1585×1615×765)+(960×1615×765)		
		inch	(62-3/8×63-9/16×30-1/8)+(37-13/16×63-9/16×30-1/8)		
Packed dimensions (WxHxD)		mm	(1650×1810×840)+(1025×1790×830)		
		inch	(64-15/160×71-1/4×33-1/16)+(40-3/8×70-1/2×32-11/16)		
Net weight		kg	352+193		
		lbs	776+425		
Gross weight		kg	376+209		
		lbs	829+461		
Ambient temp.	Cooling	°C (°F)	-5~-55 (23~-131)		

- Notes
- (1) Indoor temperature 27°C(80,6°F) DB/19°C(66,2°F) WB; Outdoor temperature 35°C(95°F) DB/24°C (75,2°F) WB. Interconnecting piping length is 7,5m (24,6ft.), level difference is zero.

(2) Total Capacity Index = indoor unit total capacity/outdoor unit capacity.

(3) Sound values are measured in a semi-anechoic room, at a position 1m(3,28ft.) in front of the unit and 1,3m(4,26ft.) above the floor.

technical data

CRVC
220V, 3Ph, 50(60)Hz

HP			46	48	50	52
Model name			CRVC-XMi 1300W	CRVC-XMi 1345W	CRVC-XMi 1400W	CRVC-XMi 1465W
Combination type			30HP+16HP	26HP+22HP	28HP+22HP	30HP+22HP
Power supply		V/Ph/Hz	220/3/50(60)			
Cooling ¹	Capacity	kW	130.0	134.5	140.0	146.5
		kBtu/h	444.0	459.3	478.1	500.3
	Power input	kW	39.51	41.85	43.83	47.16
		EER	3.29	3.21	3.19	3.11
Connected indoor unit	Total capacity ²		50-130%			
	Maximum quantity		64			
Compressor	Type		DC inverter			
	Quantity		3	4		
	Oil type		FV 50s			
	Start-up method		3	4		
Fan	Type		DC			
	Quantity		3	4		
	Motor output	kW	0.56x2+0.75	0.56x4		
	Static pressure		Pa(in.wg)	20(0.08) default; 60(0.24) customization option		
	Airflow rate	m ³ /h	32200	31800	32800	
		CFM	18952	18717	19305	
	Drive type		Direct			
Refrigerant	Type		R410A			
	Factory charge	kg	19+11	19+13		
lbs		41.9+24.3	41.9+28.7			
Pipe connections	Liquid pipe	mm(inch)	Φ19.1(3/4)			
	Gas pipe	mm(inch)	Φ38.1(1-1/2)			
Sound pressure level ³		dB(A)	66			
Net dimensions (WxHxD)	mm		(1585×1615×765)+(960×1615×765)		(1585×1615×765)+(1250×1615×765)	
	inch		(62-3/8×63-9/16×30-1/8)+(37-13/16×63-9/16×30-1/8)		(62-3/8×63-9/16×30-1/8)+(49-1/4×63-9/16×30-1/8)	
Packed dimensions (WxHxD)	mm		(1650×1810×840)+(1025×1790×830)		(1650×1810×840)+(1305×1790×820)	
	inch		(64-15/160×71-1/4×33-1/16)+(40-3/8×70-1/2×32-11/16)		(64-15/160×71-1/4×33-1/16)+(51-3/8×70-1/2×32-1/4)	
Net weight	kg		352+193			
	lbs		776+425			
Gross weight	kg		376+209			
	lbs		829+461			
Ambient temp.	Cooling	°C (°F)	-5~55 (23~131)			

HP			54	56	58
Model name			CRVC-XMi 1515W	CRVC-XMi 1570W	CRVC-XMi 1635W
Combination type			28HP+26HP	28HP+28HP	30HP+28HP
Power supply		V/Ph/Hz	220/3/50(60)		
Cooling ¹	Capacity	kW	151.5	157.0	163.5
		kBtu/h	517.4	536.2	558.4
	Power input	kW	46.38	48.36	51.69
	EER		3.27	3.25	3.16
Connected indoor unit	Total capacity ²		50-130%		
	Maximum quantity		64		
Compressor	Type		DC inverter		
	Quantity		4		
	Oil type		FV 50s		
	Start-up method		4		
Fan	Type		DC		
	Quantity		4		
	Motor output	kW	0.56x4		
	Static pressure	Pa(in.wg)	20(0.08) default; 60(0.24) customization option		
	Airflow rate	m³/h	40200	41200	
		CFM	23661	24250	
	Drive type		Direct		
Refrigerant	Type		R410A		
	Factory charge	kg	19x2		
		lbs	41.9x2		
Pipe connections	Liquid pipe	mm(inch)	Φ19.1(3/4)		
	Gas pipe	mm(inch)	Φ38.1(1-1/2)	Φ41.2(1-5/8)	
Sound pressure level ³		dB(A)	66	66	
Net dimensions (WxHxD)		mm	(1585×1615×765)×2		
		inch	(62-3/8×63-9/16×30-1/8)×2		
Packed dimensions (WxHxD)		mm	(1650×1810×840)×2		
		inch	(64-15/160×71-1/4×33-1/16)×2		
Net weight		kg	352×2		
		lbs	776×2		
Gross weight		kg	376×2		
		lbs	829×2		
Ambient temp.	Cooling	°C (°F)	-5~55 (23~131)		

technical data

CRVC
220V, 3Ph, 50(60)Hz

Model name			60	62	64	66
Combination type			CRVC-XMi 1700W 30HP+30HP	CRVC-XMi 1750W 30HP+16HP+16HP	CRVC-XMi 1795W 26HP+22HP+16HP	CRVC-XMi 1850W 28HP+22HP+16HP
Power supply		V/Ph/Hz	220/3/50(60)			
Cooling ¹	Capacity	kW	170.0	175.0	179.5	185.0
		kBtu/h	580.6	597.8	613.0	631.8
	Power input	kW	55.02	51.51	53.85	55.83
EER			3.09	3.40	3.33	3.31
Connected indoor unit	Total capacity ²		50-130%			
	Maximum quantity		64			
Compressor	Type		DC inverter			
	Quantity		4	5		
	Oil type		FV 50s			
	Start-up method		Soft start			
Fan	Type		DC			
	Quantity		4	5		
	Motor output	kW	0.56x4	0.56x2+0.75x2	0.56x4+0.75	
	Static pressure	Pa(in.wg)	20(0.08) default; 60(0.24) customization option			
	Airflow rate	m³/h	41200	43800	43400	44400
		CFM	24250	25780	25544	26133
	Drive type		Direct			
Refrigerant	Type		R410A			
	Factory charge	kg	19x2	19+11x2	19+13+11	
			lbs	41.9x2	41.9+24.3x2	41.9+28.7+24.3
Pipe connections	Liquid pipe	mm(inch)	Φ19.1(3/4)			
	Gas pipe	mm(inch)	Φ41.2(1-5/8)			
Sound pressure level ³		dB(A)	66			
Net dimensions (WxHxD)		mm	(1585x1615x765)x2	(1585x1615x765)+ (960x1615x765)x2	(1585x1615x765)+(1250x1615x765)+(960x1615x765)	
		inch	(62-3/8x63-9/16x30-1/8))x2	(62-3/8x63-9/16x30-1/8)+ (37-13/16x63-9/16x30-1/8)	(62-3/8x63-9/16x30-1/8)+(49-1/4x63-9/16x30-1/8) +(37-13/16x63-9/16x30-1/8)	
Packed dimensions (WxHxD)		mm	(1650x1810x840)x2	(1650x1810x840)+ (1025x1790x830)x2	(1650x1810x840)+(1305x1790x820)+(1025x1790x830)	
		inch	(64-15/160x71-1/4x33-1/16)x2	(64-15/160x71-1/4x33-1/16)+ (40-3/8x70-1/2x32-11/16)x2	(64-15/160x71-1/4x33-1/16)+(51-3/8x70-1/2x32-1/4) +(40-3/8x70-1/2x32-11/16)	
Net weight		kg	352x2	352+193x2	352+296+193	
		lbs	776x2	776+425x2	776+653+425	
Gross weight		kg	376x2	376+209x2	376+313+209	
		lbs	829x2	829+461x2	829+690+461	
Ambient temp.	Cooling	°C (°F)	-5~55 (23~131)			

HP			68	70	72	74
Model name			CRVC-XMi 1915W	CRVC-XMi 1965W	CRVC-XMi 2020W	CRVC-XMi 2085W
Combination type			30HP+22HP+16HP	28HP+26HP+16HP	28HP+28HP+16HP	30HP+28HP+16HP
Power supply			220/3/50(60)			
Cooling ¹	Capacity	V/Ph/Hz				
		kW	191.5	196.5	202.0	208.5
		kBtu/h	654.1	671.1	689.9	712.2
		kW	59.16	58.38	60.36	63.69
EER			3.24	3.37	3.35	3.27
Connected indoor unit	Total capacity ²		50-130%			
	Maximum quantity		64			
Compressor	Type		DC inverter			
	Quantity		5			
	Oil type		FV 50s			
	Start-up method		Soft start			
Fan	Type		DC			
	Quantity		5			
	Motor output	kW	0.56x4+0.75			
	Static pressure	Pa(in.wg)	20(0.08) default; 60(0.24) customization option			
	Airflow rate	m ³ /h	44400	51800	52800	
		CFM	26133	30489	31077	
Refrigerant	Drive type		Direct			
	Type		R410A			
Factory charge		kg	19+13+11	19x2+11		
		lbs	41.9+28.7+24.3	41.9x2+24.3		
Pipe connections	Liquid pipe	mm(inch)	Φ22.2(7/8)			
	Gas pipe	mm(inch)	Φ44.5(1-3/4)			
Sound pressure level ³		dB(A)	67			68
Net dimensions (WxHxD)		mm	(1585x1615x765)+(1250x1615x765)+(960x1615x765)			
		inch	(62-3/8x63-9/16x30-1/8)+(49-1/4x63-9/16x30-1/8)+(37-13/16x63-9/16x30-1/8)			
Packed dimensions (WxHxD)		mm	(1650x1810x840)+(1305x1790x820)+(1025x1790x830)			
		inch	(64-15/160x71-1/4x33-1/16)+(51-3/8x70-1/2x32-1/4)+(40-3/8x70-1/2x32-11/16)			
Net weight		kg	352+296+193	352x2+193		
		lbs	776+653+425	776x2+425		
Gross weight		kg	376+313+209	376x2+209		
		lbs	829+690+461	829x2+461		
Ambient temp.	Cooling	°C (°F)	-5~55 (23~131)			

- Notes
- (1) Indoor temperature 27°C(80,6°F) DB/19°C(66,2°F) WB; Outdoor temperature 35°C(95°F) DB/24°C (75,2°F) WB. Interconnecting piping length is 7,5m (24,6ft.), level difference is zero.

(2) Total Capacity Index = indoor unit total capacity/outdoor unit capacity.

(3) Sound values are measured in a semi-anechoic room, at a position 1m(3,28ft.) in front of the unit and 1,3m(4,26ft.) above the floor.

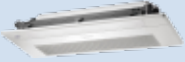
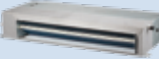
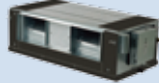
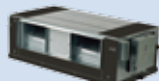
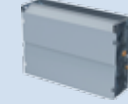
technical data

CRVC
220V, 3Ph, 50(60)Hz

Model name			76	78	80	82
Combination type			CRVC-XMi 2150W 30HP+30HP+16HP	CRVC-XMi 2185W 28HP+28HP+22HP	CRVC-XMi 2250W 30HP+28HP+22HP	CRVC-XMi 2315W 30HP+30HP+22HP
Power supply			220/3/50(60)			
Cooling¹	Capacity	V/Ph/Hz				
		kW	215.0	218.5	225.0	231.5
		kBtu/h	734.4	746.2	768.4	790.6
		kW	67.02	68.01	71.34	74.67
EER			3.21	3.21	3.15	3.10
Connected indoor unit	Total capacity²		50-130%			
	Maximum quantity		64			
Compressor	Type		DC inverter			
	Quantity		5	6		
	Oil type		FV 50s			
	Start-up method		Soft start			
Fan	Type		DC			
	Quantity		5	6		
	Motor output	kW	0.56x4+0.75	0.56x6		
	Static pressure	Pa(in.wg)	20(0.08) default; 60(0.24) customization option			
	Airflow rate	m³/h	52800	53400		
		CFM	31077	31430		
Drive type	20 default;60 customization option					
	Type		R410A			
Refrigerant	Factory charge	kg	19x2+11	19x2+13		
		lbs	41.9x2+24.3	41.9x2+28.7		
Pipe connections	Liquid pipe	mm(inch)	Φ22.2(7/8)			
	Gas pipe	mm(inch)	Φ44.5(1-3/4)			
Sound pressure level³		dB(A)	68			
Net dimensions (WxHxD)		mm	(1585x1615x765)x2+ (960x1615x765)	(1585x1615x765)x2+(1250x1615x765)		
		inch	(62-3/8x63-9/16x30-1/8)x2+ (37-13/16x63-9/16x30-1/8)	(62-3/8x63-9/16x30-1/8)x2+(49-1/4x63-9/16x30-1/8)		
Packed dimensions (WxHxD)		mm	(1650x1810x840)x2+ (1025x1790x830)	(1650x1810x840)x2+(1305x1790x820)		
		inch	(64-15/160x71-1/4x33-1/16)x2+ (40-3/8x70-1/2x32-11/16)	(64-15/160x71-1/4x33-1/16)x2+(51-3/8x70-1/2x32-1/4)		
Net weight		kg	352x2+193			
		lbs	776x2+425			
Gross weight		kg	376x2+209			
		lbs	829x2+461			
Ambient temp.	Cooling	°C (°F)	-5~55 (23~131)			

HP			84	86	88	90
Model name			CRVC-XMi 2355W	CRVC-XMi 2420W	CRVC-XMi 2485W	CRVC-XMi 2550W
Combination type			28HP+28HP+28HP	30HP+28HP+28HP	30HP+30HP+28HP	30HP+30HP+30HP
Power supply			220/3/50(60)			
Cooling ¹	Capacity	V/Ph/Hz	235.5	242.0	248.5	255.0
		kBtu/h	804.3	826.5	848.7	870.9
	Power input	kW	72.54	75.87	79.20	82.53
	EER		3.25	3.19	3.14	3.09
Connected indoor unit	Total capacity ²		50-130%			
	Maximum quantity		64			
Compressor	Type		DC inverter			
	Quantity		6			
	Oil type		FV 50s			
	Start-up method		Soft start			
Fan	Type		DC			
	Quantity		6			
	Motor output		0.56x6			
	Static pressure		20(0.08) default; 60(0.24) customization option			
	Airflow rate	m³/h	61800			
		CFM	36374			
	Drive type		Direct			
Refrigerant	Type		R410A			
	Factory charge	kg	19x3			
		lbs	41.9x3			
Pipe connections	Liquid pipe	mm(inch)	Φ25.4(1)			
	Gas pipe	mm(inch)	Φ50.8(2)			
Sound pressure level ³		dB(A)	68			
Net dimensions (WxHxD)		mm	(1585x1615x765)x3			
		inch	(62-3/8x63-9/16x30-1/8)x3			
Packed dimensions (WxHxD)		mm	(1650x1810x840)x3			
		inch	(64-15/160x71-1/4x33-1/16)x3			
Net weight		kg	352x3			
		lbs	776x3			
Gross weight		kg	376x3			
		lbs	829x3			
Ambient temp.	Cooling	°C (°F)	-5~-55 (23~131)			

INDOOR Units - Product Lineup

kW			1.5	1.8	2.2	2.8	3.6	4.5	5.6	7.1		8.0	9.0	10.0	11.2	12.5	14.0	16.0	20.0	25.0	28.0	40.0	45.0	56.0
Btu/h			5k	6k	7k	9k	12k	15k	19k	24k		27k	30k	34k	38k	42k	48k	55k	68k	85k	96k	136k	154k	191k
Cassette	One-way cassette																							
	Two-way cassette																							
	Four-way cassette																							
	Compact four-way cassette																							
Duct	Medium static pressure																							
	High static pressure																							
	Fresh air processing unit																							
Wall mounted																								
Ceiling & floor																								
Floor standing -concealed																								
Floor standing - exposed																								
Console																								

2nd Gen. Indoor Units¹

1st Gen. Indoor Units²

Notes:
1. Fan motors of this series are all DC type.
2. Fan motors of this series are AC type except the wall mounted and console units.

Wide Application Range

WIDE RANGE OF INDOOR UNITS

With 11 types and more than 100 models, Clivet 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 Wall Mounted Units, three interchangeable panels add extra flexibility to a universal body design.



M3 panel



M9 panel



M10 panel

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

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.



360° airflow



Round airflow



F3B (concealed)



F4 (front air intake)



F5 (underside air intake)

2nd
Gen. IDU

1st
Gen. IDU

2nd
Gen. IDU

1st
Gen. IDU

Comfort And Efficiency

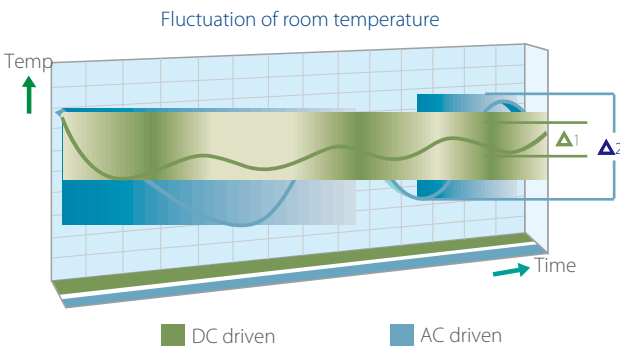
HIGH EFFICIENCY DC FAN MOTOR

The power consumption of DC fan motor is quite less as compared to the corresponding AC type.



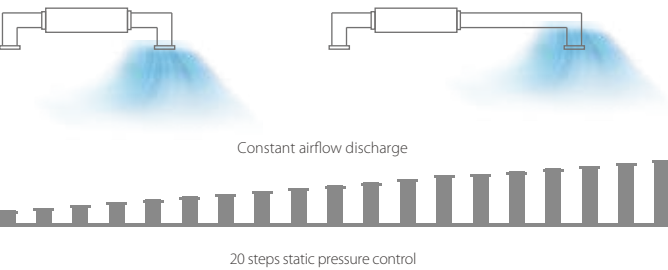
CONSTANT LEVEL OF INDOOR AIR TEMPERATURE

The DC Inverter fan motor adjusts the air flow based on thermal load instantly providing less temperature fluctuation and an improved living environment.



STATIC PRESSURE 20 STEPS CONTROL (DUCT UNIT)

Depending on the installation environment, medium static pressure duct is controlled the static pressure up to 10 steps and high static pressure duct is controlled the static pressure up to 20 steps via wired remote controller, for providing comfortable environment suitable for any environment.



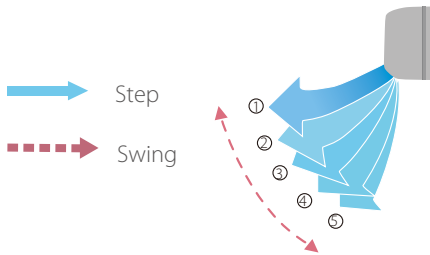
QUIET OPERATION

The low sound operation fan motor and optimized fan blades guarantee the air discharges smoothly and provides a quiet living environment.



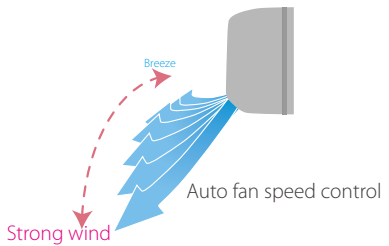
5 SWING ANGLES FOR LOUVER

Thanks to the 5 swing angles for indoor unit louver, the air flow direction can be controlled more precisely.



AUTO FAN SPEED MODE

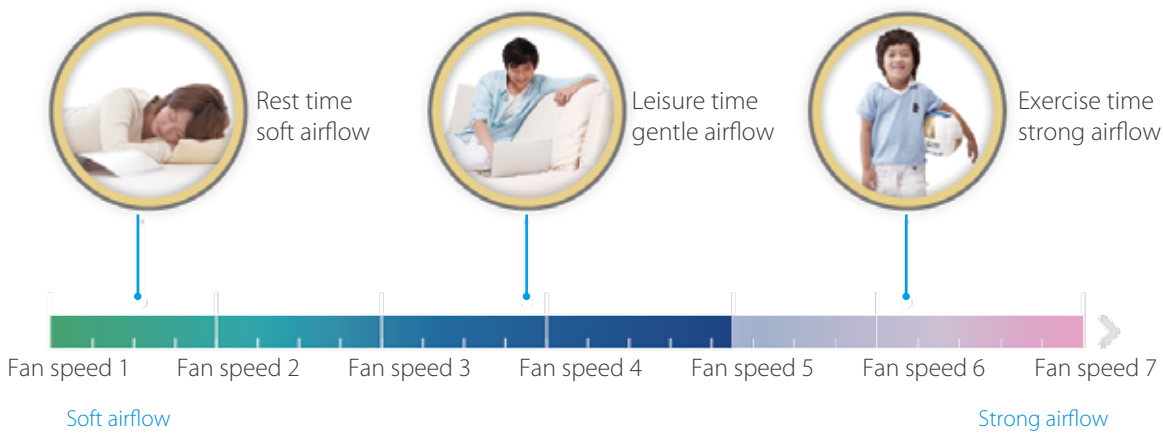
7 fan speeds can be selected automatically according to the temperature difference between setting temperature and return air temperature under auto fan speed mode, which controls the fan speed more intelligent and creates a better indoor environment.



7-SPEED FAN CONTROL

7 indoor fan speeds provide control flexibility to meet the needs of different indoor conditions.

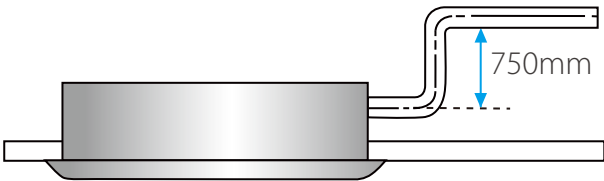
2nd
Gen. IDU



Convenience

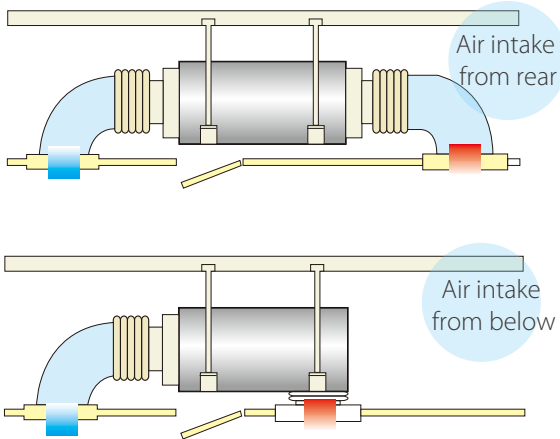
HIGH-LIFT DRAIN PUMP

A drain pump with a 750mm or 500mm pump head is fitted as standard or optional, simplifying installation of the drain piping.



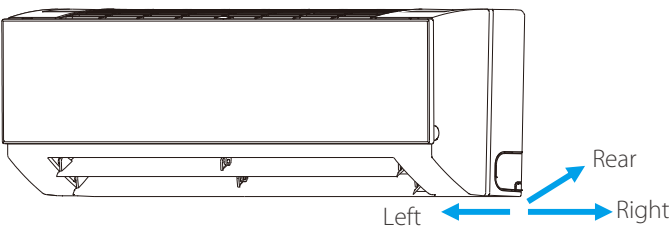
FLEXIBLE INSTALLATION

For Medium Static Pressure Duct units, to provide the flexibility to adapt to different installation situations, the air inlet may be positioned either on the underside or the rear of the unit.



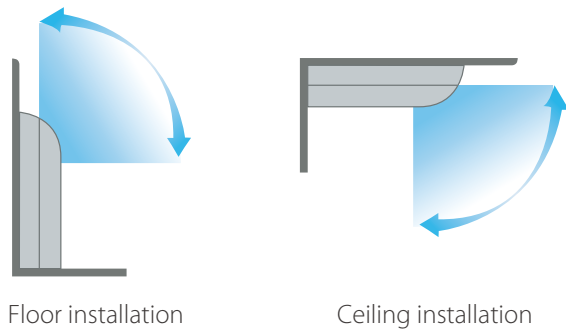
FLEXIBLE INSTALLATION

For Wall Mounted Units, the refrigerant pipe direction can be left, right or rear as the installation situation requires. A new fixing plate design speeds installation and provides extra stability.



FLEXIBLE INSTALLATION

Ceiling / Floor Units can be installed either on the ceiling or the floor, providing flexibility to accommodate a wide range of room designs.



2nd Gen. IDU

2nd
Gen. IDU

1-WAY CASSETTE

- Fresh air intake (45~71 models)
- One-way air discharge, ideal for corner locations
- Drain pump with 750mm pump head fitted as standard



technical data

Model			Q1DN-2-XMi D18	Q1DN-2-XMi D22	Q1DN-2-XMi D28	Q1DN-2-XMi D36
Power supply			1-phase, 220-240V, 50/60Hz			
Cooling ¹	Capacity	kW	1.8	2.2	2.8	3.6
		kBtu/h	6.1	7.5	9.6	12.3
	Power input	W	25	25	30	30
Heating ²	Capacity	kW	2.2	2.6	3.2	4.0
		kBtu/h	7.5	8.9	10.9	13.6
	Power input	W	25	25	30	30
Air flow rate ³		m³/h	380/355/330/300/286/263/240		460/440/410/380/355/330/300	
Sound pressure level ⁴		dB(A)	30/28/27/26/25/24/22		37/36/35/34/32/31/30	38/37/35/34/32/31/30
Main body	Net dimensions ⁵ (WxHxD)	mm	1054×153×425			
	Packed dimensions (WxHxD)	mm	1155×245×490			
	Net/Gross weight	kg	11.8/15.3		12.3/15.8	
Panel	Net dimensions (WxHxD)	mm	1180×25×465			
	Packed dimensions (WxHxD)	mm	1232×107×517			
	Net/Gross weight	kg	3.5/5.2			
Pipe connections	Liquid/Gas pipe	mm	Φ6.35/Φ12.7			
	Drain pipe	mm	OD Φ32			

Model			Q1DN-2-XMi D45	Q1DN-2-XMi D56	Q1DN-2-XMi D71
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
	Power input	W	40	48	60
Heating ²	Capacity	kW	5.0	6.3	8.0
		kBtu/h	17.1	21.5	27.3
	Power input	W	40	48	60
Air flow rate ³		m³/h	693/662/638/600/556/510/476	792/763/728/688/643/589/549	933/873/815/749/689/637/592
Sound pressure level ⁴		dB(A)	39/37/36/35/34/32/31	41/39/38/37/36/35/33	43/41/40/39/37/36/35
Main body	Net dimensions ⁵ (WxHxD)	mm	1275×189×450		
	Packed dimensions (WxHxD)	mm	1370×295×505		
	Net/Gross weight	kg	16.1/20.4	16.4/20.7	17.6/22.4
Panel	Net dimensions (WxHxD)	mm	1350×25×505		
	Packed dimensions (WxHxD)	mm	1410×95×560		
	Net/Gross weight	kg	4/5.4		
Pipe connections	Liquid/Gas pipe	mm	Φ6.35/Φ12.7	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.

accessories

- **RM12D** Wireless remote controller
- **WDC-86E/KD** Compact wired controller
- **WDC-120G/WK** Wired controller
- **MBQ1-02D** Panel 1-way (sizes D18÷D36)
- **MBQ1-01D** Panel 1-way (sizes D45÷D71)

2nd Gen. IDU

2nd
Gen. IDU

2-WAY CASSETTE



technical data

Model			Q1DN-2-XMi D22	Q1DN-2-XMi D28	Q1DN-2-XMi D36
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
	Power input	W	35	40	40
Heating ²	Capacity	kW	2.6	3.2	4.0
		kBtu/h	8.9	10.9	13.6
	Power input	W	35	40	40
Air flow rate ³		m³/h	654/612/571/530/488/449/410	654/612/571/530/488/449/410	725/679/641/591/554/509/458
Sound pressure level ⁴		dB(A)	33/31/30/29/27/25/24	33/31/30/29/27/25/24	35/33/32/30/29/27/25
Main body	Net dimensions ⁵ (WxHxD)	mm	1172x299x591		
	Packed dimensions (WxHxD)	mm	1355x400x675		
	Net/Gross weight	kg	33.5/42.0		
Panel	Net dimensions (WxHxD)	mm	1430x53x680		
	Packed dimensions (WxHxD)	mm	1525x130x765		
	Net/Gross weight	kg	10.5/15		
Pipe connections	Liquid/Gas pipe	mm	Φ6.35/Φ12.7		
	Drain pipe	mm	OD Φ32		

Model			Q1DN-2-XMi D45	Q1DN-2-XMi D56	Q1DN-2-XMi D71
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
	Power input	W	50	69	98
Heating ²	Capacity	kW	5.0	6.3	8.0
		kBtu/h	17.1	21.5	27.3
	Power input	W	50	69	98
Air flow rate ³		m³/h	850/792/731/670/631/592/550	980/925/855/800/755/702/670	1200/1115/1068/1000/921/808/770
Sound pressure level ⁴		dB(A)	37/36/35/34/32/31/30	39/37/36/35/33/31/30	44/42/41/40/38/36/34
Main body	Net dimensions ⁵ (WxHxD)	mm	1172x299x591		
	Packed dimensions (WxHxD)	mm	1355x400x675		
	Net/Gross weight	kg	35/43.5		
Panel	Net dimensions (WxHxD)	mm	1430x53x680		
	Packed dimensions (WxHxD)	mm	1525x130x765		
	Net/Gross weight	kg	10.5/15		
Pipe connections	Liquid/Gas pipe	mm	Φ6.35/Φ12.7	Φ9.53/Φ15.9	
	Drain pipe	mm	OD Φ32		

- Notes:
- Indoor temperature 27°C DB, 19°C WB; outdoor temperature 35°C DB; equivalent refrigerant piping length 7.5m with zero level difference.
 - Indoor temperature 20°C DB; outdoor temperature 7°C DB, 6°C WB; equivalent refrigerant piping length 7.5m with zero level difference.
 - Each model's 7 airflow rate options are listed in order, from highest to lowest.
 - 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.
 - Unit body dimensions given are the largest external dimensions of the unit, including hanger attachments.

accessories

- ▶ **RM12D**

Wireless remote controller
- ▶ **WDC-86E/KD**

Compact wired controller
- ▶ **WDC-120G/WK**

Wired controller
- ▶ **CE-MBQ2-01**

Panel 2-way

2nd Gen. IDU

2nd
Gen. IDU

COMPACT 4-WAY CASSETTE



technical data

Model			Q4AN-2-XMi D22	Q4AN-2-XMi D28
Power supply			1-phase, 220-240V, 50/60Hz	
Cooling ¹	Capacity	kW	2.2	2.8
		kBtu/h	7.5	9.6
	Power input	W	35	35
Heating ²	Capacity	kW	2.4	3.2
		kBtu/h	8.2	10.9
	Power input	W	35	35
Air flow rate ³		m³/h	414/380/345/313/288/268/238	
Sound pressure level ⁴		dB(A)	35/34/33/29/26/23/22	
Main body	Net dimensions ⁵ (WxHxD)	mm	630x260x570	
	Packed dimensions (WxHxD)	mm	700x345x660	
	Net/Gross weight	kg	18/23.5	
Panel	Net dimensions (WxHxD)	mm	647x50x647	
	Packed dimensions (WxHxD)	mm	715x123x715	
	Net/Gross weight	kg	2.5/4.5	
Pipe connections	Liquid/Gas pipe	mm	Φ6.35/Φ12.7	
	Drain pipe	mm	OD Φ25	

Model			Q4AN-2-XMi D36	Q4AN-2-XMi D45
Power supply			1-phase, 220-240V, 50/60Hz	
Cooling ¹	Capacity	kW	3.6	4.5
		kBtu/h	12.3	15.4
	Power input	W	40	50
Heating ²	Capacity	kW	4.0	5.0
		kBtu/h	13.6	17.1
	Power input	W	40	50
Air flow rate ³		m³/h	521/485/450/409/380/350/314	
Sound pressure level ⁴		dB(A)	41/38/35/32/30/29/28	
Main body	Net dimensions ⁵ (WxHxD)	mm	630x260x570	
	Packed dimensions (WxHxD)	mm	700x345x660	
	Net/Gross weight	kg	19.2/24.7	
Panel	Net dimensions (WxHxD)	mm	647x50x647	
	Packed dimensions (WxHxD)	mm	715x123x715	
	Net/Gross weight	kg	2.5/4.5	
Pipe connections	Liquid/Gas pipe	mm	Φ6.35/Φ12.7	
	Drain pipe	mm	OD Φ25	

- Notes:
- Indoor temperature 27°C DB, 19°C WB; outdoor temperature 35°C DB; equivalent refrigerant piping length 7.5m with zero level difference.
 - Indoor temperature 20°C DB; outdoor temperature 7°C DB, 6°C WB; equivalent refrigerant piping length 7.5m with zero level difference.
 - Each model's 7 airflow rate options are listed in order, from highest to lowest.
 - 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.
 - Unit body dimensions given are the largest external dimensions of the unit, including hanger attachments.

accessories

- ▶ **RM12D**

Wireless remote controller
- ▶ **WDC-86E/KD**

Compact wired controller
- ▶ **WDC-120G/WK**

Wired controller
- ▶ **CE-MBQ4-03B5**

Panel 4-way compact

- Fresh air intake
- Round 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

4-WAY CASSETTE



technical data

Model			Q4DN-2-XMi D28	Q4DN-2-XMi D36	Q4DN-2-XMi D45	Q4DN-2-XMi D56	Q4DN-2-XMi D71	
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	
	Power input	W	40	45	50	60	70	
Heating ²	Capacity	kW	3.2	4.0	5.0	6.3	8.0	
		kBtu/h	10.9	13.6	17.1	21.5	27.3	
	Power input	W	40	45	50	60	70	
Air flow rate ³		m³/h	801/751/711/658/ 637/611/542	801/751/711/658/ 637/611/542	893/866/804/744/ 714/698/635	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	840×230×840					
	Packed dimensions (WxHxD)	mm	955×260×955					
	Net/Gross weight	kg	21.3/25.8	21.3/25.8	23.2/27.6	23.2/27.6	23.2/27.6	
Panel	Net dimensions (WxHxD)	mm	950×54.5×950					
	Packed dimensions (WxHxD)	mm	1035×90×1035					
	Net/Gross weight	kg	5/8					
Pipe connections	Liquid/Gas pipe	mm	Φ6.35/Φ12.7	Φ6.35/Φ12.7	Φ6.35/Φ12.7	Φ9.53/Φ15.9	Φ9.53/Φ15.9	
	Drain pipe	mm	OD Φ32					

Model			Q4DN-2-XMi D80	Q4DN-2-XMi D90	Q4DN-2-XMi D100	Q4DN-2-XMi D112	Q4DN-2-XMi D140
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
	Power input	W	96	100	150	160	170
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
	Power input	W	96	100	150	160	170
Air flow rate ³		m³/h	1203/1131/1064/977/912/840/774	1349/1294/1230/1201/1111/1029/970	1700/1600/1440/1250/1200/1150/1100	1700/1600/1440/1250/1200/1150/1100	1800/1650/1500/1300/1250/1200/1150
Sound pressure level ⁴		dB(A)	36/35/34/31/31/29/28	37/35/34/31/31/30/28	43/42/40/38/37/35/34	43/42/40/38/37/35/34	45/44/42/41/40/39/37
Main body	Net dimensions ⁵ (WxHxD)	mm	840x230x840	840x300x840			
	Packed dimensions (WxHxD)	mm	955x260x955	955x330x955			
	Net/Gross weight	kg	23.2/27.6	28.4/33.8			
Panel	Net dimensions (WxHxD)	mm	950x54.5x950				
	Packed dimensions (WxHxD)	mm	1035x90x1035				
	Net/Gross weight	kg	5/8				
Pipe connections	Liquid/Gas pipe	mm	Φ9.53/Φ15.9				
	Drain pipe	mm	OD Φ32				

- Notes:
- Indoor temperature 27°C DB, 19°C WB; outdoor temperature 35°C DB; equivalent refrigerant piping length 7.5m with zero level difference.
 - Indoor temperature 20°C DB; outdoor temperature 7°C DB, 6°C WB; equivalent refrigerant piping length 7.5m with zero level difference.
 - Each model's 7 airflow rate options are listed in order, from highest to lowest.
 - 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.
 - Unit body dimensions given are the largest external dimensions of the unit, including hanger attachments.

accessories

- **RM12D** Wireless remote controller
- **WDC-86E/KD** Compact wired controller
- **WDC-120G/WK** Wired controller
- **T-MBQ4-01E** Panel 4-way

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 2nd 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

technical data

Model			CNT2-2-XMi D22	CNT2-2-XMi D28	CNT2-2-XMi D36
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
	Power input	W	40	40	45
Heating ²	Capacity	kW	2.6	3.2	4.0
		kBtu/h	8.2	10.9	13.6
	Power input	W	40	40	45
Air flow rate ³		m³/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	Ø6.35/ Ø12.7		
	Drain pipe	mm	OD Ø25		

Model			CNT2-2-XMi D45		CNT2-2-XMi D56		CNT2-2-XMi D71		
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		
	Power input	W	92		92		98		
Heating ²	Capacity	kW	5.0		6.3		8.0		
		kBtu/h	17.1		21.5		27.3		
	Power input	W	92		92		98		
Air flow rate ³		m³/h	800/740/680/620/540/480/400		830/790/750/710/660/620/580		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	1000×210×500					1220×210×500	
	Packed dimensions (WxHxD)	mm	1115×285×525					1335×285×525	
	Net/Gross weight	kg	21.5/25					27.5/31.5	
Pipe connections	Liquid/Gas pipe	mm	Φ6.35/ Φ12.7			Φ9.53/Φ15.9			
	Drain pipe	mm	OD Φ25						

Model			CNT2-2-XMi D80	CNT2-2-XMi D90	CNT2-2-XMi D112	CNT2-2-XMi D140
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
	Power input	W	110	120	200	250
		kW	9.0	10.0	12.5	15.5
Heating ²	Capacity	kBtu/h	30.7	34.1	42.7	52.9
		W	110	120	200	250
Air flow rate ³			m³/h		1260/1180/1100/1020/940/860/780	1500/1430/1360/1290/1210/1140/1080
External static pressure			Pa		20 (10~100)	40 (30~150)
Sound pressure level ⁴			dB(A)		37/35/34/33/31/29/28	39/38/38/37/35/34/33
Unit	Net dimensions ⁵ (WxHxD)	mm	1230×270×775			1290×300×865
	Packed dimensions (WxHxD)	mm	1355×355×795			1400×375×925
	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:
- Indoor temperature 27°C DB, 19°C WB; outdoor temperature 35°C DB; equivalent refrigerant piping length 7.5m with zero level difference.
 - Indoor temperature 20°C DB; outdoor temperature 7°C DB, 6°C WB; equivalent refrigerant piping length 7.5m with zero level difference.
 - Each model's 7 airflow rate options are listed in order, from highest to lowest.
 - 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.
 - Unit body dimensions given are the largest external dimensions of the unit, including hanger attachments. All specifications are measured at standard external static pressure.

accessories

- **RM12D** Wireless remote controller
- **WDC-86E/KD** Compact wired controller
- **WDC-120G/WK** Wired controller

- ▶ External static pressure up to 400Pa facilitates extensive duct and grille network
- ▶ 20-step static pressure control on all models (requires 2nd generation wired controllers)
- ▶ A double-skin drainage pan provides double protection for ceilings (models 71 to 160)
- ▶ Water pump box is available as a customization option

HIGH STATIC PRESSURE DUCT



technical data

Model			CN-2-XMi D71	CN-2-XMi D80	CN-2-XMi D90	CN-2-XMi D112
Power supply			1-phase, 220-240V, 50/60Hz			
Cooling ¹	Capacity	kW	7.1	8.0	9.0	11.2
		kBtu/h	24.2	27.3	30.7	38.2
	Power input	W	180	180	220	380
		kW	8.0	9.0	10.0	12.5
Heating ²	Capacity	kBtu/h	27.3	30.7	34.1	42.7
	Power input	W	180	180	220	380
Air flow rate ³			1360/1327/1293/1260 /1227/1193/1160		1420/1373/1327/1280 /1233/1187/1140	1870/1783/1697/1610 /1523/1437/1350
External static pressure			Pa			
Sound pressure level ⁴			dB(A)		45/44/43/42/41/40/39	48/47/46/45/43/42/41
unit	Net dimensions ⁵ (WxHxD)	mm	965x423x690			
	Packed dimensions(WxHxD)	mm	1090x440x768			
	Net/Gross weight	kg	41/47		51/57	51/57
Pipe connections	Liquid/Gas pipe	mm	Ø9.53/Ø15.9			
	Drain pipe	mm	OD Ø25			

Model			CN-2-XMi D140	CN-2-XMi D160	CN-2-XMi D200	CN-2-XMi D250
Power supply			1-phase, 220-240V, 50/60Hz			
Cooling ¹	Capacity	kW	14.0	16.0	20.0	25.0
		kBtu/h	47.8	54.6	68.2	85.3
	Power input	W	420	700	990	1200
		kW	16.0	17.0	22.5	26.0
Heating ²	Capacity	kBtu/h	54.6	58.0	76.8	88.7
	Power input	W	420	700	990	1200
Air flow rate ³			2240/2133/2027/1920 /1813/1707/1600	2660/2530/2400/2270 /2140/2010/1880	4330/4230/4130/4030 /3930/3830/3730	
External static pressure			Pa		100 (30~ 200)	170(20~250)
Sound pressure level ⁴			dB(A)		45/44/43/42/41/40/40	51/50/50/49/49/48/47
unit	Net dimensions ⁵ (WxHxD)	mm	1322x423x691		1454x515x931	
	Packed dimensions(WxHxD)	mm	1436x450x768		1509x550x990	
	Net/Gross weight	kg	68/76		130/142	
Pipe connections	Liquid/Gas pipe	mm	Ø9.53/Ø15.9		Ø12.7/Ø22.2	
	Drain pipe	mm	OD Ø25		OD Ø32	

Model			CN-2-XMi D280	CN-2-XMi D400	CN-2-XMi D450	CN-2-XMi D560
Power supply			1-phase, 220-240V, 50/60Hz			
Cooling ¹	Capacity	kW	28.0	40.0	45.0	56.0
		kBtu/h	95.0	136.5	153.6	191.1
	Power input	W	1200	1800	1800	2272
		kW	31.5	45.0	56.0	63.0
Heating ²	Capacity	kBtu/h	107.5	153.6	191.1	215.0
	Power input	W	1200	1800	1800	2272
Air flow rate ³			4330/4230/4130/4030 /3930/3830/3730	6500/6150/5800/5450 /5100/4750/4400	7400/7000/6600/6200 /5800/5400/5000	
External static pressure			Pa		300(100~400)	300(100~400)
Sound pressure level ⁴			dB(A)		51/50/49/48/48/47	59/58/57/56/55/53/51
unit	Net dimensions ⁵ (WxHxD)	mm	1454x515x931		2010x905x680	
	Packed dimensions(WxHxD)	mm	1509x550x990		2095x929x689	
	Net/Gross weight	kg	130/142		210/235	
Pipe connections	Liquid/Gas pipe	mm	Ø12.7/Ø22.2		Ø15.9/Ø28.6	
	Drain pipe	mm	OD Ø25		OD Ø32	

- 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. 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.

accessories

- ▶ **RM12D** Wireless remote controller
- ▶ **WDC-86E/KD** Compact wired controller
- ▶ **WDC-120G/WK** Wired controller
- ▶ **SBH-05 Drain pump** (sizes D200÷D280)
- ▶ **SBH-04 Drain pump** (sizes D71÷D160)

FRESH AIR PROCESSING UNIT



technical data

Model			CNFA-2-XMi D125	CNFA-2-XMi D140	CNFA-2-XMi D200
Power supply			1-phase, 220-240V, 50/60Hz		
Cooling ¹	Capacity	kW	12.5	14.0	20.0
		kBtu/h	42.6	47.8	68.2
	Power input	W	480	480	850
		kW	10.5	12.0	12.8
Heating ²	Capacity	kBtu/h	36.0	41.0	43.7
	Power input	W	480	480	850
Air flow rate ³			m³/h		2000/1917/1833/1750/1667/1583/1500
External static pressure			Pa		150(100~250)
Sound pressure level ⁴			dB(A)		48/47/46/45/44/43/42
unit	Net dimensions ⁵ (WxHxD)	mm	1322x423x691		1454x515x931
	Packed dimensions (WxHxD)	mm	1436x450x768		1509x550x990
	Net/Gross weight	kg	68/76		130/142
Pipe connections	Liquid/Gas pipe	mm	Ø9.53/Ø15.9		Ø12.7/Ø22.2
	Drain pipe	mm	OD Ø25		OD Ø32

Model			CNFA-2-XMi D250	CNFA-2-XMi D280	CNFA-2-XMi D450	CNFA-2-XMi D560
Power supply			1-phase, 220-240V, 50/60Hz			
Cooling ¹	Capacity	kW	25.0	28.0	45.0	56.0
		kBtu/h	85.3	95.5	153.6	191.1
	Power input	W	850	850	1080	2272
		kW	16.0	18.0	28.0	39.0
Heating ²	Capacity	kBtu/h	54.6	61.4	95.6	133.1
	Power input	W	850	850	1080	2272
Air flow rate ³			3000/2833/2667/2500 /2333/2167/2000	4200/3967/3733/3500 /3267/3033/2800	6000/5665/5330/5000 /4665/4330/4000	
External static pressure			Pa		300(100~ 400)	300(100~ 400)
Sound pressure level ⁴			dB(A)		50/49/48/47/46/44/43	59/57/56/55/53/51/50
unit	Net dimensions ⁵ (WxHxD)	mm	1454x515x931		2010x905x680	2010x905x680
	Packed dimensions (WxHxD)	mm	1509x550x990		2095x929x689	2095x929x689
	Net/Gross weight	kg	130/142		195/215	218/248
Pipe connections	Liquid/Gas pipe	mm	Ø12.7/Ø22.2		Ø15.9/Ø28.6	Ø15.9/Ø28.6
	Drain pipe	mm	OD Ø32			

- Notes:
1. Outdoor temperature 33°C DB, 28°C WB;equivalent refrigerant piping length 7.5m with zero level difference.
 2. Outdoor temperature 0°C DB, -2.9°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. 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.

The Fresh Air Processing Unit can be used either independently or in conjunction with other types of indoor unit. If used independently, the total capacity of the Fresh Air Processing Units must be between 50% and 100% of that of the outdoor units. If used in conjunction with other types of indoor unit, the total capacity of the indoor units and Fresh Air Processing Units must be between 50% and 100% of that of the outdoor units and the total capacity of the Fresh Air Processing Units must not exceed 30% of that of the outdoor units.

accessories

- ▶ **RM12D** Wireless remote controller
- ▶ **WDC-86E/KD** Compact wired controller
- ▶ **WDC-120G/WK** Wired controller
- ▶ **SBH-04 Drain pump** (sizes D125÷D140)
- ▶ **SBH-05 Drain pump** (sizes D200÷D280)

2nd Gen. IDU

2nd
Gen. IDU

WALL MOUNTED
UNIT



technical data

Model			GWMN-2-XMi D22	GWMN-2-XMi D28
Power supply			1 phase, 220-240V, 50/60Hz	
Cooling ¹	Capacity	kW	2.2	2.8
		kBtu/h	7.5	9.6
	Power input	W	28	28
Heating ²	Capacity	kW	2.4	3.2
		kBtu/h	8.2	10.9
	Power input	W	28	28
Air flow rate ³			422/411/402/393/380/368/356	417/402/386/370/353/338/316
Sound pressure level ⁴			31/30/30/30/29/29/29	31/30/30/30/29/29/29
Unit	Net dimensions ⁵ (WxHxD)	mm	835×280×203	
	Packed dimensions (WxHxD)	mm	935×385×320	
	Net/Gross weight	kg	8.4/12.1	9.5/13.1
Pipe connections	Liquid/Gas pipe	mm	Φ6.35/Φ12.7	
	Drain pipe	mm	OD Φ16	

Model			GWMN-2-XMi D36	GWMN-2-XMi D45	GWMN-2-XMi D56
Power supply			1 phase, 220-240V, 50/60Hz		
Cooling ¹	Capacity	kW	3.6	4.5	5.6
		kBtu/h	12.3	15.4	19.1
	Power input	W	30	40	45
Heating ²	Capacity	kW	4.0	5.0	6.3
		kBtu/h	13.6	17.1	21.5
	Power input	W	30	40	45
Air flow rate ³			656/628/591/573/544/515/488	594/563/535/507/478/450/424	747/713/685/648/613/578/547
Sound pressure level ⁴			33/32/32/31/31/30/30	35/34/33/33/32/31/31	38/37/36/36/35/34/34
Unit	Net dimensions ⁵ (WxHxD)	mm	990×315×223		
	Packed dimensions (WxHxD)	mm	1085×420×335		
	Net/Gross weight	kg	11.4/15.5	12.8/16.9	
Pipe connections	Liquid/Gas pipe	mm	Φ6.35/Φ12.7		Φ9.53/Φ15.9
	Drain pipe	mm	OD Φ16		

Model			GWMN-2-XMi D71	GWMN-2-XMi D80	GWMN-2-XMi D90
Power supply			1 phase, 220-240V, 50/60Hz		
Cooling ¹	Capacity	kW	7.1	8.0	9.0
		kBtu/h	24.2	27.3	30.7
	Power input	W	55	55	82
Heating ²	Capacity	kW	8.0	9.0	10.0
		kBtu/h	27.3	30.7	34.1
	Power input	W	55	55	82
Air flow rate ³			1195/1130/1065/1005/940/875/809	1195/1130/1065/1005/940/875/809	1421/1300/1125/1067/1005/934/867
Sound pressure level ⁴			44/43/42/39/38/37/36	44/43/42/39/38/37/36	48/46/45/43/41/40/38
Unit	Net dimensions ⁵ (WxHxD)	mm	1194×343×262		
	Packed dimensions (WxHxD)	mm	1290×375×460		
	Net/Gross weight	kg	17.0/22.4		
Pipe connections	Liquid/Gas pipe	mm	Φ9.53/Φ15.9		
	Drain pipe	mm	OD Φ16		

- Notes:
- Indoor temperature 27°C DB, 19°C WB; outdoor temperature 35°C DB; equivalent refrigerant piping length 7.5m with zero level difference.
 - Indoor temperature 20°C DB; outdoor temperature 7°C DB, 6°C WB; equivalent refrigerant piping length 7.5m with zero level difference.
 - Each model's 7 airflow rate options are listed in order, from highest to lowest.
 - 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 1m in front and 1m below the unit in a semi-anechoic chamber.
 - Unit body dimensions given are the largest external dimensions of the unit, including hanger attachments.

accessories

- ▶ **RM12D** Wireless remote controller
- ▶ **WDC-86E/KD** Compact wired controller
- ▶ **WDC-120G/WK** Wired controller

2nd Gen. IDU

2nd
Gen. IDU

CEILING / FLOOR



technical data

Model			DDL2C-2-XMi D36	DDL2C-2-XMi D45	DDL2C-2-XMi D56	DDL2C-2-XMi D71
Power supply			1 phase, 220-240V, 50/60Hz			
Cooling ¹	Capacity	kW	3.6	4.5	5.6	7.1
		kBtu/h	12.3	15.4	19.1	24.2
	Power input	W	49	115	115	115
Heating ²	Capacity	kW	4.0	5.0	6.3	8.0
		kBtu/h	13.6	17.1	21.5	27.3
	Power input	W	49	115	115	115
Air flow rate ³		m³/h	550/525/500/480/460/440/420		800/750/700/650/600/550/500	
Sound pressure level ⁴		dB(A)	36/35/34/33/32/31/30		43/42/41/41/39/38/38	
Unit	Net dimensions ⁵ (WxHxD)	mm	990×660×203			
	Packed dimensions (WxHxD)	mm	1089×744×296			
	Net/Gross weight	kg	27/33		28/34	
Pipe connections	Liquid/Gas pipe	mm	Φ6.35/Φ12.7			Φ9.53/Φ15.9
	Drain pipe	mm	OD Φ16			

Model			DDL2C-2-XMi D80	DDL2C-2-XMi D90	DDL2C-2-XMi D112	DDL2C-2-XMi D140
Power supply			1 phase, 220-240V, 50/60Hz			
Cooling ¹	Capacity	kW	8.0	9.0	11.2	14.0
		kBtu/h	27.2	30.7	38.2	47.8
	Power input	W	130	130	180	180
Heating ²	Capacity	kW	9.0	10.0	12.5	15.0
		kBtu/h	30.7	34.1	42.7	51.2
	Power input	W	130	130	180	180
Air flow rate ³		m³/h	1280/1245/1210/1170/1130/1085/1050		1890/1830/1765/1700/1660/1620/1580	
Sound pressure level ⁴		dB(A)	45/44/43/43/42/41/40		47/46/45/45/44/43/42	
Unit	Net dimensions ⁵ (WxHxD)	mm	1280×660×203		1670×680×244	
	Packed dimensions (WxHxD)	mm	1379×744×296		1915×760×330	
	Net/Gross weight	kg	35/41		48/58	
Pipe connections	Liquid/Gas pipe	mm	Φ9.53/Φ15.9			
	Drain pipe	mm	OD Φ16			

- Notes:
- Indoor temperature 27°C DB, 19°C WB; outdoor temperature 35°C DB; equivalent refrigerant piping length 7.5m with zero level difference.
 - Indoor temperature 20°C DB; outdoor temperature 7°C DB, 6°C WB; equivalent refrigerant piping length 7.5m with zero level difference.
 - Each model's 7 airflow rate options are listed in order, from highest to lowest.
 - 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).
Floor standing: Sound pressure level is measured 1m in front and 1m above the floor in a semi-anechoic chamber.
Ceiling mounted: Sound pressure level is measured 1m in front and 1m below the unit in a semi-anechoic chamber.
 - Unit body dimensions given are the largest external dimensions of the unit, including hanger attachments.

accessories

- ▶ **RM12D** Wireless remote controller
- ▶ **WDC-86E/KD** Compact wired controller
- ▶ **WDC-120G/WK** Wired controller

- Designed to be concealed in walls with only the suction and discharge grills visible

FLOOR STANDING UNIT (CONCEALED)



technical data

Model			DZGF3B-2-XMi D22	DZGF3B-2-XMi D28
Power supply			1 phase, 220-240V, 50/60Hz	
Cooling ¹	Capacity	kW	2.2	2.8
		kBtu/h	7.5	9.6
	Power input	W	40	45
Heating ²	Capacity	kW	2.4	3.2
		kBtu/h	8.2	10.9
	Power input	W	40	45
Air flow rate ³		m³/h	530/504/478/456/439/418/400	569/540/515/485/462/443/421
Sound pressure level ⁴		dB(A)	36/35/34/33/31/30/29	36/35/34/33/31/30/29
Unit	Net dimensions ⁵ (WxHxD)		840x545x212	
	Packed dimensions (WxHxD)		939x639x305	
	Net/Gross weight		21/25.5	
Pipe connections	Liquid/Gas pipe		Φ6.35/Φ12.7	
	Drain pipe		Φ16	

Model			DZGF3B-2-XMi D36	DZGF3B-2-XMi D45
Power supply			1 phase, 220-240V, 50/60Hz	
Cooling ¹	Capacity	kW	3.6	4.5
		kBtu/h	12.3	15.4
	Power input	W	55	60
Heating ²	Capacity	kW	4.0	5.0
		kBtu/h	13.6	17.1
	Power input	W	55	60
Air flow rate ³		m³/h	624/591/557/522/473/420/375	660/625/583/542/501/475/440
Sound pressure level ⁴		dB(A)	37/36/35/34/32/31/30	37/36/35/34/32/31/30
Unit	Net dimensions ⁵ (WxHxD)		1040x545x212	
	Packed dimensions (WxHxD)		1139x639x305	
	Net/Gross weight		25.5/30.5	
Pipe connections	Liquid/Gas pipe		Φ6.35/Φ12.7	
	Drain pipe		Φ16	

Model			DZGF3B-2-XMi D56	DZGF3B-2-XMi D71	DZGF3B-2-XMi D80
Power supply			1 phase, 220-240V, 50/60Hz		
Cooling ¹	Capacity	kW	5.6	7.1	8.0
		kBtu/h	19.1	24.2	27.3
	Power input	W	88	110	130
Heating ²	Capacity	kW	6.3	8.0	9.0
		kBtu/h	21.5	27.3	30.7
	Power input	W	88	110	130
Air flow rate ³		m³/h	1150/1094/1028/970/925/886/830	1380/1290/1205/1100/1033/955/870	1380/1290/1205/1100/1033/955/870
Sound pressure level ⁴		dB(A)	41/39/37/35/33/32/31	44/42/40/39/37/35/33	44/42/40/39/37/35/33
Unit	Net dimensions ⁵ (WxHxD)		1340x545x212		
	Packed dimensions (WxHxD)		1425x639x345		
	Net/Gross weight		30.5/35.5		32/37
Pipe connections	Liquid/Gas pipe		Φ9.53/Φ15.9		
	Drain pipe		Φ16		

- 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 1m in front and 1m above the floor 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 10Pa external static pressure.

accessories

- **RM12D** Wireless remote controller
- **WDC-86E/KD** Compact wired controller
- **WDC-120G/WK** Wired controller

- The F4 (front air intake) and F5 (underside air intake) offer a choice of air intake options

FLOOR STANDING UNIT (EXPOSED)



technical data

Model			DZDF4-2-XMi D22 DZDF5-2-XMi D22	DZDF4-2-XMi D28 DZDF5-2-XMi D28
Power supply			1 phase, 220-240V, 50/60Hz	
Cooling ¹	Capacity	kW	2.2	2.8
		kBtu/h	7.5	9.6
	Power input	W	40	45
Heating ²	Capacity	kW	2.4	3.2
		kBtu/h	8.2	10.9
	Power input	W	40	45
Air flow rate ³		m³/h	530/504/478/456/439/418/400	569/540/515/485/462/443/421
Sound pressure level ⁴		dB(A)	36/35/34/33/31/30/29	36/35/34/33/31/30/29
Unit	Net dimensions ⁵ (WxHxD)	mm (F4)	1000x596x225	
		mm (F5)	1000x677x220	
	Packed dimensions (WxHxD)	mm (F4)	1089x683x312	
		mm (F5)	1182x683x312	
	Net/Gross weight	kg (F4)	28/33	
Pipe connections	Liquid/Gas pipe		Φ6.35/Φ12.7	
	Drain pipe		Φ16	

Model			DZDF4-2-XMi D36 DZDF5-2-XMi D36	DZDF4-2-XMi D45 DZDF5-2-XMi D45
Power supply			1 phase, 220-240V, 50/60Hz	
Cooling ¹	Capacity	kW	3.6	4.5
		kBtu/h	12.3	15.4
	Power input	W	55	60
Heating ²	Capacity	kW	4.0	5.0
		kBtu/h	13.6	17.1
	Power input	W	55	60
Air flow rate ³		m³/h	624/591/557/522/473/420/375	660/625/583/542/501/475/440
Sound pressure level ⁴		dB(A)	37/36/35/34/32/31/30	37/36/35/34/32/31/30
Unit	Net dimensions ⁵ (WxHxD)	mm (F4)	1200x596x225	
		mm (F5)	1200x677x220	
	Packed dimensions (WxHxD)	mm (F4)	1289x683x312	
		mm (F5)	1382x683x312	
	Net/Gross weight	kg (F4)	33/38.6	
Pipe connections	Liquid/Gas pipe		Φ6.35/Φ12.7	
	Drain pipe		Φ16	

Model			DZDF4-2-XMi D56 DZDF5-2-XMi D56	DZDF4-2-XMi D71 DZDF5-2-XMi D71	DZDF4-2-XMi D80 DZDF5-2-XMi D80
Power supply			1 phase, 220-240V, 50/60Hz		
Cooling ¹	Capacity	kW	5.6	7.1	8.0
		kBtu/h	19.1	24.2	27.3
Heating ²	Power input	W	88	110	130
		kW	6.3	8.0	9.0
	Capacity	kBtu/h	21.5	27.3	30.7
	Power input	W	88	110	130
Air flow rate ³		m³/h	1150/1094/1028/970/925/886/830	1380/1290/1205/1100/1033/955/870	1380/1290/1205/1100/1033/955/870
Sound pressure level ⁴		dB(A)	41/39/37/35/33/32/31	44/42/40/39/37/35/33	44/42/40/39/37/35/33
Unit	Net dimensions ⁵ (WxHxD)	mm (F4)	1500x596x225		
		mm (F5)	1500x677x220		
	Packed dimensions (WxHxD)	mm (F4)	1589x683x312		
		mm (F5)	1682x683x312		
	Net/Gross weight	kg (F4)	40/46		41.5/47.5
		kg (F5)	40.4/48.6		41.5/49.5
Pipe connections	Liquid/Gas pipe	mm	Ø9.53/Ø15.9		
	Drain pipe	mm	Ø16		

- 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 1m in front and 1m above the floor in a semi-anechoic chamber.
 5. Unit body dimensions given are the largest external dimensions of the unit, including hanger attachments.

accessories

- **RM12D** Wireless remote controller
- **WDC-86E/KD** Compact wired controller
- **WDC-120G/WK** Wired controller

- Combination of four air inlets and two air outlets ensures that cooling and heating are distributed in all directions.

CONSOLE



technical data

Model			DNB-2-XMi D22	DNB-2-XMi D28
Power supply			1 phase, 220-240V, 50/60Hz	
Cooling ¹	Capacity	kW	2.2	2.8
		kBtu/h	7.5	9.6
	Power input	W	20	25
Heating ²	Capacity	kW	2.6	3.2
		kBtu/h	8.9	10.9
	Power input	W	20	25
Air flow rate ³		m ³ /h	430/401/374/345/302/268/229	510/482/456/430/355/286/229
Sound pressure level ⁴		dB(A)	38/36/34/32/28/27/26	39/37/35/33/31/29/27
Unit	Net dimensions ⁵ (WxHxD)	mm	700×600×210	
	Packed dimensions (WxHxD)	mm	810×710×305	
	Net/Gross weight	kg	14/19	15/20
Pipe connections	Liquid/Gas pipe	mm	Φ6.35/Φ12.7	
	Drain pipe	mm	OD Φ16	

Model			DNB-2-XMi D36	DNB-2-XMi D45
Power supply			1 phase, 220-240V, 50/60Hz	
Cooling ¹	Capacity	kW	3.6	4.5
		kBtu/h	12.3	15.4
	Power input	W	25	35
Heating ²	Capacity	kW	4.0	5.0
		kBtu/h	13.4	17.1
	Power input	W	25	35
Air flow rate ³		m ³ /h	510/482/456/430/355/286/229	660/614/561/512/478/436/400
Sound pressure level ⁴		dB(A)	39/37/35/33/31/29/27	42/41/40/39/37/36/36
Unit	Net dimensions ⁵ (WxHxD)	mm	700×600×210	
	Packed dimensions (WxHxD)	mm	810×710×305	
	Net/Gross weight	kg	15/20	
Pipe connections	Liquid/Gas pipe	mm	Φ6.35/Φ12.7	
	Drain pipe	mm	OD Φ16	

- 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 1m in front and 1m above the floor in a semi-anechoic chamber.
 - 5. Unit body dimensions given are the largest external dimensions of the unit, including hanger attachments.

accessories

- **RM12D** Wireless remote controller
- **WDC-86E/KD** Compact wired controller
- **WDC-120G/WK** Wired controller



1st Gen. IDU

1st Gen. IDU

1-WAY CASSETTE

- ▶ Fresh air intake (45~71 models)
- ▶ One-way air discharge, ideal for corner locations
- ▶ Drain pump with 750mm pump head fitted as standard



technical data

50Hz specification

MODEL			Q1DN-XMi D18	Q1DN-XMi D22	Q1DN-XMi D28	Q1DN-XMi D36	Q1DN-XMi D45	Q1DN-XMi D56	Q1DN-XMi D71
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	48	48	60
Airflow rate(H/M/L)		m³/h	523/404/275	523/404/275	573/456/315	573/456/315	693/600/476	792/688/549	933/749/592
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.(W×H×D)	mm	1054×153×425	1054×153×425	1054×153×425	1054×153×425	1275×189×450	1275×189×450	1275×189×450
	Packing dim.(W×H×D)	mm	1155×245×490	1155×245×490	1155×245×490	1155×245×490	1370×295×505	1370×295×505	1370×295×505
	Net/gross weight	kg	12.5/16	12.5/16	13/16.5	13/16.5	18.5/18.9	18.8/23.1	19.5/19.9
Panel	Net dim.(W×H×D)	mm	1180×25×465	1180×25×465	1180×25×465	1180×25×465	1350×25×505	1350×25×505	1350×25×505
	Packing dim.(W×H×D)	mm	1232×107×517	1232×107×517	1232×107×517	1232×107×517	1410×95×560	1410×95×560	1410×95×560
	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	mm	Φ6.35/Φ12.7	Φ6.35/Φ12.7	Φ6.35/Φ12.7	Φ6.35/Φ12.7	Φ6.35/Φ12.7	Φ9.53/Φ15.9	Φ9.53/Φ15.9
	Drain pipe	mm	OD Φ25	OD Φ25	OD Φ25	OD Φ25	OD Φ25	OD Φ25	OD Φ25
Standard controller			Wireless remote controller						

60Hz specification

MODEL			Q1DNA-XMiD18	Q1DNA-XMiD22	Q1DNA-XMiD28	Q1DNA-XMiD36	Q1DNA-XMiD45	Q1DNA-XMiD56	Q1DNA-XMiD71
Power supply			1-phase,208-230V,60Hz						
Cooling capacity		kW	1.8	2.2	2.8	3.6	4.5	5.6	7.1
		Btu/h	6100	7500	9600	12300	15400	19100	24200
Heating capacity		kW	2.2	2.6	3.2	4.0	5.0	6.3	8.0
		Btu/h	7500	8900	10900	13600	17100	21500	27300
Power input	Cooling	W	41	41	41	41	54	60	75
	Heating	W	41	41	41	41	54	60	75
Airflow rate(H/M/L)		m³/h	523/404/275	523/404/275	573/456/315	573/456/315	693/600/476	792/688/549	933/749/592
		CFM	308/238/162	308/238/162	337/268/185	337/268/185	408/353/280	466/405/323	549/441/349
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)	mm(in.)	1054x153x425(41-1/2x6-1/32x16-47/64)				1275x189x450(50-13/64x7-7/16x17-23/32)		
	Packing dim.(WxHxD)	mm(in.)	1155x245x490(45-15/32x9-41/64x19-19/64)				1370x295x505(53-15/16x11-39/64x19-7/8)		
	Net/gross weight	kg(lbs.)	12.5/16(27.8/35.3)			13/16.5(28.8/36.4)		18.5/22.8(40.8/50.3)	18.8/23.1(41.4/50.9)
Panel	Net dim.(WxHxD)	mm(in.)	1180x25x465(46-29/64x63/64x18-5/16)				1350x25x505(53-5/32x63/64x19-7/8)		
	Packing dim.(WxHxD)	mm(in.)	1232x107x517(48-1/2x4-7/32x20-23/64)				1410x95x560(55-33/64x3-47/64x22-3/64)		
	Net/gross weight	kg(lbs.)	3.5/5.2(7.7/11.5)				4/5.4(8.8/11.9)		
Piping connections	Liquid/gas pipe	mm(in.)	Φ6.35/Φ12.7(Φ1/4/Φ1/2)					Φ9.53/Φ15.9(Φ3/8/Φ5/8)	
	Drain pipe	mm(in.)	Φ25(OD 63/64)						
Standard controller			Wireless remote controller						

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. Sound pressure level is measured 1.4m below the unit in a semi-anechoic chamber.
4. Unit body dimensions given are the largest external dimensions of the unit, including hanger attachments.

accessories

- Standard**
- ▶ **RM12A** Wireless remote controller
 - ▶ **MBQ1-02D** Panel 1-way (sizes D18÷D36)
 - ▶ **MBQ1-01D** Panel 1-way (sizes D45÷D71)

1st Gen. IDU

1st Gen. IDU

2-WAY CASSETTE

- ▶ Fresh air intake
- ▶ Two-way air discharge, perfect for limited ceiling space applications
- ▶ Drain pump with 750mm pump head fitted as standard



technical data

50Hz specification

Model			Q2DN-XMi D22	Q2DN-XMi D28	Q2DN-XMi D36	Q2DN-XMi D45	Q2DN-XMi D56	Q2DN-XMi D71
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)		m³/h	654/530/410	725/591/458	725/591/458	850/670/550	980/800/670	1200/1000/770
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.(W×H×D)	mm	1172×299×591	1172×299×591	1172×299×591	1172×299×591	1172×299×591	1172×299×591
	Packing dim.(W×H×D)	mm	1355×400×675	1355×400×675	1355×400×675	1355×400×675	1355×400×675	1355×400×675
	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.(W×H×D)	mm	1430×53×680	1430×53×680	1430×53×680	1430×53×680	1430×53×680	1430×53×680
	Packing dim.(W×H×D)	mm	1525×130×765	1525×130×765	1525×130×765	1525×130×765	1525×130×765	1525×130×765
	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	mm	Φ6.35/Φ12.7	Φ6.35/Φ12.7	Φ6.35/Φ12.7	Φ6.35/Φ12.7	Φ9.53/Φ15.9	Φ9.53/Φ15.9
	Drain pipe	mm	OD Φ32	OD Φ32	OD Φ32	OD Φ32	OD Φ32	OD Φ32
Standard controller			Wireless remote controller					

60Hz specification

Model			Q2DNA-XMi D22	Q2DNA-XMi D28	Q2DNA-XMi D36	Q2DNA-XMi D45	Q2DNA-XMi D56	Q2DNA-XMi D71
Power supply			1-phase,208-230V,60Hz					
Cooling capacity		kW	2.2	2.8	3.6	4.5	5.6	7.1
		Btu/h	7500	9600	12300	15400	19100	24200
Heating capacity		kW	2.6	3.2	4.0	5.0	6.3	8.0
		Btu/h	8900	10900	13600	17100	21500	27300
Power input	Cooling	W	78	78	83	115	133	205
	Heating	W	78	78	83	115	133	205
Airflow rate(H/M/L)		m³/h	674/509/381	740/577/435	740/577/435	878/689/561	941/776/654	1236/1110/864
		CFM	397/300/224	436/340/256	436/340/256	517/406/330	554/457/385	727/653/509
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.(W×H×D)	mm(in.)	1172×299×591(46-9/32×11-49/64×23-17/64)					
	Packing dim.(W×H×D)	mm(in.)	1355×400×675(53-11/32×15-3/4×26-37/64)					
	Net/gross weight	kg(lbs.)	34/42.5(75/94)				36.5/45(80.5/99)	
Panel	Net dim.(W×H×D)	mm(in.)	1430×53×680(56-19/64×2-3/32×26-49/64)					
	Packing dim.(W×H×D)	mm(in.)	1525×130×765(60-3/64×5-1/8×30-1/8)					
	Net/gross weight	kg(lbs.)	10.5/15(23/33)					
Piping connections	Liquid/gas pipe	mm(in.)	Φ6.35/Φ12.7(Φ1/4/Φ1/2)				Φ9.53/Φ15.9(Φ3/8/Φ5/8)	
	Drain pipe	mm(in.)	Φ32(OD 1-17/64)					
Standard controller			Wireless remote controller					

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. Sound pressure level is measured 1.4m below the unit in a semi-anechoic chamber.
4. Unit body dimensions given are the largest external dimensions of the unit, including hanger attachments.

accessories

- Standard**
- ▶ **RM12A** Wireless remote controller
 - ▶ **CE-MBQ2-01** Panel 2-way

COMPACT 4-WAY CASSETTE



technical data

50Hz specification

Model			Q4AN-XMi D15	Q4AN-XMi D22	Q4AN-XMi D28
Power supply			1-phase,220-240V,50Hz		
Capacity	Cooling	kW	1.5	2.2	2.8
	Heating	kW	1.7	2.4	3.2
Power input	Cooling	W	36	50	50
	Heating	W	36	50	50
Airflow rate(H/M/L)		m³/h	435/283/208	414/313/238	414/313/238
Sound pressure level(H/M/L)		dB(A)	35/33/23	36/33/23	36/33/23
Main body	Net dim.(W×H×D)	mm	570×260×570	570×260×570	570×260×570
	Packing dim.(W×H×D)	mm	675×285×675	675×285×675	675×285×675
	Net/gross weight	kg	16/19.5	16/20	16/20
Panel	Net dim.(W×H×D)	mm	647×50×647	647×50×647	647×50×647
	Packing dim.(W×H×D)	mm	715×123×715	715×123×715	715×123×715
	Net/gross weight	kg	2.5/4.5	2.5/4.5	2.5/4.5
Piping connections	Liquid/gas pipe	mm	Φ6.35/Φ12.7	Φ6.35/Φ12.7	Φ6.35/Φ12.7
	Drain pipe	mm	OD Φ25	OD Φ25	OD Φ25
Standard controller			Wireless remote controller		

Model			Q4AN-XMi D36	Q4AN-XMi D45
Power supply			1-phase,220-240V,50Hz	
Capacity	Cooling	kW	3.6	4.5
	Heating	kW	4.0	5.0
Power input	Cooling	W	56	56
	Heating	W	56	56
Airflow rate(H/M/L)		m³/h	521/409/314	521/409/314
Sound pressure level(H/M/L)		dB(A)	42/36/29	42/36/29
Main body	Net dim.(W×H×D)	mm	570×260×570	570×260×570
	Packing dim.(W×H×D)	mm	675×285×675	675×285×675
	Net/gross weight	kg	18/22	18/22
Panel	Net dim.(W×H×D)	mm	647×50×647	647×50×647
	Packing dim.(W×H×D)	mm	715×123×715	715×123×715
	Net/gross weight	kg	2.5/4.5	2.5/4.5
Piping connections	Liquid/gas pipe	mm	Φ6.35/Φ12.7	Φ6.35/Φ12.7
	Drain pipe	mm	OD Φ25	OD Φ25
Standard controller			Wireless remote controller	

- Notes:
- 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).
 - 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).
 - Sound level is measured at 1.4m below the unit.
 - Unit body dimensions given are the largest external dimensions of the unit, including hanger attachments.

accessories

- Standard
- ▶ **RM12A** Wireless remote controller
 - ▶ **CE-MBQ4-03B5** Panel 4-way compact

technical data

60Hz specification

Model			Q4ANA-XMi D22	Q4ANA-XMi D28
Power supply			1-phase,208-230V,60Hz	
Cooling capacity	kW		2.2	2.8
	Btu/h		7500	9600
Heating capacity	kW		2.4	3.2
	Btu/h		8200	10900
Power input	Cooling	W	50	50
	Heating	W	50	50
Airflow rate(H/M/L)	m³/h		397/292/215	408/310/231
	CFM		234/172/127	240/182/136
Sound pressure level(H/M/L)		dB(A)	35.8/33.4/23.4	35.8/33.4/23.4
Main body	Net dim.(W×H×D)	mm(in.)	570×260×570(22-7/16×10-15/64×22-7/16)	
	Packing dim.(W×H×D)	mm(in.)	675×285×675(26-9/16×11-7/32×26-9/16)	
	Net/gross weight	kg(lbs.)	16/20(35.3/44.1)	
Panel	Net dim.(W×H×D)	mm(in.)	647×50×647(25-15/32×1-31/32×25-15/2)	
	Packing dim.(W×H×D)	mm(in.)	715×123×715(28-5/32×4-27/32×28-5/32)	
	Net/gross weight	kg(lbs.)	2.5/4.5(5.5/9.9)	
Piping connections	Liquid/gas pipe	mm(in.)	Φ6.35/Φ12.7(Φ1/4/Φ1/2)	
	Drain pipe	mm(in.)	Φ25(OD 63/64)	
Standard controller			Wireless remote controller	

Model			Q4ANA-XMi D36	Q4ANA-XMi D45
Power supply			1-phase,208-230V,60Hz	
Cooling capacity	kW		3.6	4.5
	Btu/h		12300	15400
Heating capacity	kW		4.0	5.0
	Btu/h		13600	17100
Power input	Cooling	W	60	60
	Heating	W	60	60
Airflow rate(H/M/L)	m³/h		496/359/263	496/359/263
	CFM		292/211/155	292/211/155
Sound pressure level(H/M/L)		dB(A)	41.5/35.6/28.8	41.5/35.6/28.8
Main body	Net dim.(W×H×D)	mm(in.)	570×260×570(22-7/16×10-15/64×22-7/16)	
	Packing dim.(W×H×D)	mm(in.)	675×285×675(26-9/16×11-7/32×26-9/16)	
	Net/gross weight	kg(lbs.)	18/22(39.7/48.5)	
Panel	Net dim.(W×H×D)	mm(in.)	647×50×647(25-15/32×1-31/32×25-15/2)	
	Packing dim.(W×H×D)	mm(in.)	715×123×715(28-5/32×4-27/32×28-5/32)	
	Net/gross weight	kg(lbs.)	2.5/4.5(5.5/9.9)	
Piping connections	Liquid/gas pipe	mm(in.)	Φ6.35/Φ12.7(Φ1/4/Φ1/2)	
	Drain pipe	mm(in.)	Φ25(OD 63/64)	
Standard controller			Wireless remote controller	

- Notes:
- Nominal cooling capacities are based on the following conditions: return air temp.: 27°C(80.6°F)DB, 19°C(66.2°F)WB, outdoor temp.: 35°C(95°F)DB, equivalent ref. piping: 7.5m (24.6ft.) (horizontal).
 - Nominal heating capacities are based on the following conditions: return air temp.: 20°C(68°F)DB, outdoor temp.: 7°C (44.6°F)DB, 6°C(42.8°F)WB, equivalent ref. piping: 7.5m (24.6ft.) (horizontal).
 - Sound Level is measured 1.4m(4.59ft.) below the unit.
 - Unit body dimensions given are the largest external dimensions of the unit, including hanger attachments.

accessories

- Standard
- ▶ **RM12A** Wireless remote controller
 - ▶ **CE-MBQ4-03B5** Panel 4-way compact

4-WAY CASSETTE



technical data

50Hz specification

Model			Q4DN-XMi D28	Q4DN-XMi D36	Q4DN-XMi D45	Q4DN-XMi D56	Q4DN-XMi D71
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)		m³/h	764/638//554	764/638//554	905/740//651	905/740//651	950/767//663
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.(W×H×D)	mm	840×230×840	840×230×840	840×230×840	840×230×840	840×230×840
	Packing dim.(W×H×D)	mm	955×260×955	955×260×955	955×260×955	955×260×955	955×260×955
	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.(W×H×D)	mm	950×54.5×950	950×54.5×950	950×54.5×950	950×54.5×950	950×54.5×950
	Packing dim.(W×H×D)	mm	1035×90×1035	1035×90×1035	1035×90×1035	1035×90×1035	1035×90×1035
	Net/gross weight	kg	6/9	6/9	6/9	6/9	6/9
Piping connections	Liquid/gas pipe	mm	Φ6.35/Φ12.7	Φ6.35/Φ12.7	Φ6.35/Φ12.7	Φ9.53/Φ15.9	Φ9.53/Φ15.9
	Drain pipe	mm	OD Φ32	OD Φ32	OD Φ32	OD Φ32	OD Φ32
Standard controller			Wireless remote controller				

Model			Q4DN-XMi D80	Q4DN-XMi D90	Q4DN-XMi D100	Q4DN-XMi D112	Q4DN-XMi D140
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)		m³/h	1200/1021/789	1332/1129/908	1651/1304/1127	1651/1304/1127	1658/1335/1130
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.(W×H×D)	mm	840×230×840	840×300×840	840×300×840	840×300×840	840×300×840
	Packing dim.(W×H×D)	mm	955×260×955	955×330×955	955×330×955	955×330×955	955×330×955
	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.(W×H×D)	mm	950×54.5×950	950×54.5×950	950×54.5×950	950×54.5×950	950×54.5×950
	Packing dim.(W×H×D)	mm	1035×90×1035	1035×90×1035	1035×90×1035	1035×90×1035	1035×90×1035
	Net/gross weight	kg	6/9	6/9	6/9	6/9	6/9
Piping connections	Liquid/gas pipe	mm	Φ9.53/Φ15.9	Φ9.53/Φ15.9	Φ9.53/Φ15.9	Φ9.53/Φ15.9	Φ9.53/Φ15.9
	Drain pipe	mm	OD Φ32	OD Φ32	OD Φ32	OD Φ32	OD Φ32
Standard controller			Wireless remote controller				

- Notes:
- 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).
 - 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).
 - Sound level is measured at 1.4m below the unit.
 - Unit body dimensions given are the largest external dimensions of the unit, including hanger attachments.

accessories

- Standard**
- ▶ **RM12A** Wireless remote controller
 - ▶ **T-MBQ4-01E** Panel 4-way

technical data

60Hz specification

Model			Q4DNA-XMi D28	Q4DNA-XMi D36	Q4DNA-XMi D45	Q4DNA-XMi D56	Q4DNA-XMi D71
Power supply			1-phase,208-230V,60Hz				
Cooling capacity		kW	2.8	3.6	4.5	5.6	7.1
		Btu/h	9600	12300	15400	19100	24200
Heating capacity		kW	3.2	4.0	5.0	6.3	8.0
		Btu/h	10900	13600	17100	21500	27300
Power input	Cooling	W	80	80	88	88	105
	Heating	W	80	80	88	88	105
Airflow rate(H/M/L)		m³/h	791/674/596	791/674/596	942/777/662	942/777/662	1235/1013/805
		CFM	465/396/351	465/396/351	554/457/389	554/457/389	726/596/474
Sound pressure level(H/M/L)		dB(A)	30/25/22	30/25/22	35/31/27	35/31/27	43/37/31
Main body	Net dim.(WxHxD)	mm(in.)	840x230x840(33-1/16x9-1/16x33-1/16)				
	Packing dim.(WxHxD)	mm(in.)	955x260x955(37-19/32x10-1/4x37-19/32)				
	Net/gross weight	kg(lbs.)	21.5/26.7(47.3/58.7)			23.7/28.9(52.1/63.6)	
Panel	Net dim.(WxHxD)	mm(in.)	950x54.5x950(37-13/32x2-9/64x37-13/32)				
	Packing dim.(WxHxD)	mm(in.)	1035x90x1035(40-3/4x3-9/16x40-3/4)				
	Net/gross weight	kg(lbs.)	6/9(13.2/19.8)				
Piping connections	Liquid/gas pipe	mm(in.)	Φ6.35/Φ12.7(Φ1/4/Φ1/2)			Φ9.53/Φ15.9(Φ3/8/Φ5/8)	
	Drain pipe	mm(in.)	Φ32(OD 1-17/64)				
Standard controller			Wireless remote controller				

Model			Q4DNA-XMi D80	Q4DNA-XMi D90	Q4DNA-XMi D100	Q4DNA-XMi D112	Q4DNA-XMi D140
Power supply			1-phase,208-230V,60Hz				
Cooling capacity		kW	8.0	9.0	10.0	11.2	14.0
		Btu/h	27300	30700	34100	38200	47800
Heating capacity		kW	9.0	10.0	11.1	12.5	15.0
		Btu/h	30700	34100	37900	42700	51200
Power input	Cooling	W	120	187	200	200	220
	Heating	W	120	187	200	200	220
Airflow rate(H/M/L)		m³/h	1235/1013/805	1333/1158/957	1634/1219/1139	1634/1219/1139	1692/1243/1157
		CFM	726/596/474	784/681/563	961/717/670	961/717/670	995/731/681
Sound pressure level(H/M/L)		dB(A)	43/37/31	43/38/32	45/37/35	45/37/35	46/38/37
Main body	Net dim.(WxHxD)	mm(in.)	840×230×840(33-1/16×9-1/16×33-1/16)840×300×840(33-1/16×11-13/16×33-1/16)				
	Packing dim.(WxHxD)	mm(in.)	955×260×955(37-19/32×10-15/64×37-19/32)955×330×955(37-19/32×11-13/16×37-19/32)				
	Net/gross weight	kg(lbs.)	23.7/28.9(52.1/63.6)	28.7/34.1(63.1/75)30.9/36.3(68/79.9)			
Panel	Net dim.(WxHxD)	mm(in.)	950×54.5×950(37-13/32×2-9/64×37-13/32)				
	Packing dim.(WxHxD)	mm(in.)	1035×90×1035(40-3/4×3-35/64×40-3/4)				
	Net/gross weight	kg(lbs.)	6/9(13.2/19.8)				
Piping connections	Liquid/gas pipe	mm(in.)	Φ9.53/Φ15.9(Φ3/8/Φ5/8)				
	Drain pipe	mm(in.)	Φ32(OD 1-17/64)				
Standard controller			Wireless remote controller				

- Notes:
- Nominal cooling capacities are based on the following conditions: return air temp.: 27°C(80.6°F)DB, 19°C(66.2°F)WB, outdoor temp.: 35°C(95°F)DB, equivalent ref. piping: 7.5m (24.6ft.) (horizontal).
 - Nominal heating capacities are based on the following conditions: return air temp.: 20°C(68°F)DB, outdoor temp.: 7°C (44.6°F)DB, 6°C(42.8°F)WB, equivalent ref. piping: 7.5m (24.6ft.) (horizontal).
 - Sound Level is measured 1.4m(4.59ft.) below the unit.
 - Unit body dimensions given are the largest external dimensions of the unit, including hanger attachments.

accessories

- Standard**
- ▶ **RM12A** Wireless remote controller
 - ▶ **T-MBQ4-01E** Panel 4-way

1st Gen. IDU

1st Gen. IDU

Medium Static Pressure Duct

- Fresh air intake
- 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



technical data

50Hz specification

Model			CNT2-XMi D22	CNT2-XMi D28	CNT2-XMi D36	CNT2-XMi D45	CNT2-XMi D56
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	5	6.3
Power input	Cooling	W	57	57	61	98	103
	Heating	W	57	57	61	98	103
Airflow rate(H/M/L)			m³/h	550/397/309	550/397/309	605/442/351	800/573/479
External static pressure(Min/Std/Max)			Pa	0/10/30	0/10/30	0/10/30	0/10/30
Sound pressure level(H/M/L)			dB(A)	32/24/21	31/24/21	35/28/24	36/29/26
Net dimension(WxHxD)			mm	778x210x500	778x210x500	778x210x500	997x210x500
Packing dimension(WxHxD)			mm	870x285x52	870x285x525	870x285x525	1115x285x525
Net/gross weight			k	18.5/22.2	18.5/22.2	18.5/22.2	22.9/26.8
Piping connections	Liquid/gas pipe	mm	Φ6.4/Φ12.7	Φ6.4/Φ12.7	Φ6.4/Φ12.7	Φ6.4/Φ12.7	Φ9.5Φ15.9
	Drain pipe	m	OD Φ25	OD Φ25	OD Φ25	OD Φ25	OD Φ25
Standard controller			Wired controller				

Model			CNT2-XMi D71	CNT2-XMi D80	CNT2-XMi D90	CNT2-XMi D112	CNT2-XMi D140
Power supply			1-phase,220-240V,50Hz				
Capacity	Cooling	kW	7.1	8.0	9.0	11.2	14.0
	Heating	kW	8	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)			m³/h	985/738/630	1345/1165/1013	1345/1165/1013	1800/1556/1400
External static pressure(Min/Std/Max)			Pa	0/10/30	10/20/50	10/20/50	10/40/80
Sound pressure level(H/M/L)			dB(A)	36/30/27	45/40/37	45/40/37	48/42/38
Net dimension(WxHxD)			mm	1218x210x500	1230x270x775	1230x270x775	1290x300x865
Packing dimension(WxHxD)			mm	1335x285x525	1355x350x795	1355x350x795	1400x375x925
Net/gross weight			kg	28/33	38/46.5	40/48	49/58
Piping connections	Liquid/gas pipe	mm	Φ9.5Φ15.9	Φ9.53/Φ15.9	Φ9.53/Φ15.9	Φ9.53/Φ15.9	Φ9.53/Φ15.9
	Drain pipe	mm	OD Φ25	OD Φ25	OD Φ25	OD Φ25	OD Φ25
Standard controller			Wired controller				

- Notes:
- 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).
 - 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).
 - Sound level is measured at 1.4m below the air outlet.
- External static pressure is based on high speed indoor air flow.
- Unit body dimensions given are the largest external dimensions of the unit, including hanger attachments.

accessories

- Standard
- KJR-29-B Wired controller

1st Gen. IDU

1st Gen. IDU

technical data

60Hz specification

Model			CNT2A-XMi D22	CNT2A-XMi D28	CNT2A-XMi D36	CNT2A-XMi D45	CNT2A-XMi D56
Power supply			1-phase,208-230V,60Hz				
Cooling capacity		kW	2.2	2.8	3.6	4.5	5.6
		Btu/h	7500	9600	12300	15400	19100
Heating capacity		kW	2.6	3.2	4.0	5.0	6.3
		Btu/h	8200	10900	13600	17100	21500
Power input	Cooling	W	66	72	77	100	100
	Heating	W	66	72	77	100	100
Airflow rate(H/M/L)		m³/h	538/456/375	538/456/375	597/514/429	811/684/575	811/684/575
		CFM	317/268/221	317/268/221	351/303/253	477/403/338	477/403/338
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)	36/35/32	36/35/32	38.6/37.5/33.8	39/37.9/34	39/37.9/34
Net dimension(WxHxD)		mm(in.)	30-45/64x8-17/64x19-11/16(780x210x500)			39-3/8x8-17/64x19-11/16(1000x210x500)	
Packing dimension(WxHxD)		mm(in.)	870x285x525(34-1/4x11-7/32x20-43/64)			1115x285x525(43-57/64x11-7/32x20-43/64)	
Net/gross weight		kg(lbs.)	17.5/20(38.6/44.1)			22.5/26(49.6/57.3)	
Piping connections	Liquid/gas pipe	mm(in.)	Φ6.35/Φ12.7(Φ1/4/Φ1/2)				Φ9.53/Φ15.9(Φ3/8/Φ5/8)
	Drain piping	mm(in.)	Φ25(OD 63/64)				
Standard controller			Wired controller				

Model			CNT2A-XMi D71	CNT2A-XMi D80	CNT2A-XMi D90	CNT2A-XMi D112	CNT2A-XMi D140
Power supply			1-phase,208-230V,60Hz				
Cooling capacity		kW	7.1	8.0	9.0	11.2	14.0
		Btu/h	24200	27300	30700	38200	47800
Heating capacity		kW	8.0	9.0	10.0	12.5	15.5
		Btu/h	27300	30700	34100	42700	52900
Power input	Cooling	W	125	133	134	378	352
	Heating	W	125	133	134	378	352
Airflow rate(H/M/L)		m³/h	1029/934/781	1345/1165/1013	1345/1165/1013	1800/1556/1400	1905/1636/1400
		CFM	606/550/460	792/686/596	792/686/596	1059/916/824	1121/963/824
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)	41.4/39/35	45.4/39.8/37	45.4/39.8/37	48.0/41.9/38	47.7/43.2/39
Net dimension(WxHxD)		mm(in.)	48-1/32x8-17/64x19-11/16 (1220x210x500)	48-27/64x10-5/8x30-33/64(1230x270x775)			50-25/32(1290x300x865)
Packing dimension(WxHxD)		mm(in.)	1335x285x525(52-9/16x 11-7/32x20-43/64)	1355x350x795(53-11/32x13-25/31x31-19/64)			1400x375x925(55-1/8x14- 49/64x36-27/64)
Net/gross weight		kg(lbs.)	28/31.5(61.8/69.5)	38/46.5(84/102.5)	40/48(88.2/105.8)		49/58(108.0/127.9)
Piping connections	Liquid/gas pipe	mm(in.)	Φ9.53/Φ15.9(Φ3/8/Φ5/8)				
	Drain piping	mm(in.)	Φ25(OD 63/64)				
Standard controller			Wired controller				

- Notes:
- Nominal cooling capacities are based on the following conditions: return air temp.: 27°C(80.6°F)DB, 19°C(66.2°F)WB, outdoor temp.: 35°C(95°F)DB, equivalent ref. piping: 7.5m (24.6ft.) (horizontal).
 - Nominal heating capacities are based on the following conditions: return air temp.: 20°C(68°F)DB, outdoor temp.: 7°C (44.6°F)DB, 6°C(42.8°F)WB, equivalent ref. piping: 7.5m (24.6ft.) (horizontal).
 - Sound Level is measured 1.4m(4.59ft.) below the unit.
- * External static pressure is based on high speed indoor air flow.
- Unit body dimensions given are the largest external dimensions of the unit, including hanger attachments.

accessories

- Standard
- KJR-29-B Wired controller

1st Gen. IDU

1st Gen. IDU

External static pressure up to 280Pa facilitates extensive duct and grille network

A double-skin drainage pan provides double protection for ceilings (models 71 to 160)

Water pump box is available as a customization option

HIGH STATIC PRESSURE DUCT

technical data

50Hz specification

Model			CNT1-XMi D71	CNT1-XMi D80	CNT1-XMi D90	CNT1-XMi D112	CNT1-XMi D140	CNT1-XMi D160
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)		m³/h	1443/1361/1218	1416/1338/1220	1951/1741/1518	2116/1936/1520	3000/2618/2226	3620/3044/2744
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	48/46/45	52/49/47	52/49/47	53/50/48	54/52/50
Net dimension(WxHxD)		mm	952x420x690	952x420x690	952x420x690	952x420x690	1300x420x690	1300x420x690
Packing dimension(WxHxD)		mm	1090x440x768	1090x440x768	1090x440x768	1090x440x768	1436x450x768	1436x450x768
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	mm	Φ9.53/Φ15.9	Φ9.53/Φ15.9	Φ9.53/Φ15.9	Φ9.53/Φ15.9	Φ9.53/Φ15.9	Φ9.53/Φ15.9
	Drain pipe	mm	OD Φ25	OD Φ25	OD Φ25	OD Φ25	OD Φ25	OD Φ25
Standard controller			Wired controller					

Model			CNT1-XMi D200	CNT1-XMi D250	CNT1-XMi D280	CNT1-XMi D400	CNT1-XMi D450	CNT1-XMi D560
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)		m³/h	4700/4100/3599	4700/4100/3599	4700/4100/3599	7472/6072/4995	7472/6072/4995	9550/7950/6600
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)		mm	1440x505x925	1440x505x925	1440x505x925	1970x668x902.5	1970x668x902.5	1970x668x902.5
Packing dimension(WxHxD)		mm	1509x550x990	1509x550x990	1509x550x990	2095x800x964	2095x800x964	2095x800x964
Net/gross weight		kg	115/129	115/129	115/129	232/245	232/245	235/250
Piping connections	Liquid/gas pipe	mm	Φ9.53x2/Φ15.9x2	Φ9.53x2/Φ15.9x2	Φ9.53x2/Φ15.9x2	Φ9.53x2/Φ22.2x2	Φ9.53x2/Φ22.2x2	Φ9.53x2/Φ22.2x2
	Drain pipe	mm	OD Φ32	OD Φ32	OD Φ32	OD Φ32	OD Φ32	OD Φ32
Standard controller			Wired controller					

- Notes:
- 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).
 - 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).
 - Sound level is measured at 1.4m below the air outlet.
- External static pressure is based on high speed indoor air flow.
- Unit body dimensions given are the largest external dimensions of the unit, including hanger attachments.

accessories

- Standard**
 - **KJR-29-B** Wired controller
- Optional**
 - **SBH-04 Drain pump** (sizes D71÷D160)
 - **SBH-05 Drain pump** (sizes D200÷D280)

1st Gen. IDU

1st Gen. IDU

technical data

60Hz specification

Model			CNT1A-XMiD71	CNT1A-XMiD80	CNT1A-XMiD901	CNT1A-XMiD112	CNT1A-XMiD140	CNT1A-XMiD160
Power supply			1-phase,208-230V,60Hz					
Cooling capacity		kW	7.1	8	9	11.2	14	15
		Btu/h	24200	27300	30700	38200	47800	51200
Heating capacity		kW	8	9	10	12.5	16	16.5
		Btu/h	27300	30700	34100	42700	54600	56300
Power input	Cooling	W	414	402	409	409	527	532
	Heating	W	414	402	409	409	527	532
Airflow rate(H/M/L)		m ³/h	1720/1532/1338	1690/1560/1320	2252/2030/1610	2198/1978/1570	2969/2694/2469	2969/2694/2469
		CFM	1012/902/788	994/918/777	1326/1195/948	1294/1164/924	1746/1586/1453	1746/1586/1453
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)	48/46/45	48/46/45	52/49/47	52/49/47	53/50/48	54/52/50
Net dimension(WxHxD)		mm(in.)	952x420x690(37-31/64x16-17/32x27-11/64)				1300x420x690(51-3/16x15-3/4x27-5/32)	
Packing dimension(WxHxD)		mm(in.)	1090x440x768(42-29/32x17-21/64x30-15/64)				1436x450x768(56-17/32x17-23/32x30-15/64)	
Net/gross weight		kg(lbs.)	46.5/52(102.6/114.7)		50/56.5(110.3/124.6)		68/70(149.9/154.3)	69.5/76(153.3/167.6)
Piping connections	Liquid/gas pipe	mm(in.)	Φ9.53/Φ15.9(Φ3/8/Φ5/8)					
	Drain piping	mm(in.)	Φ25(OD 63/64)					
Standard controller			Wired controller					

Model			CNT1A-XMiD200	CNT1A-XMiD250	CNT1A-XMiD280	CNT1A-XMiD400	CNT1A-XMiD450
Power supply			1-phase,208-230V,60Hz				
Cooling capacity		kW	20.0	25.0	28.0	40.0	45.0
		Btu/h	68200	85300	95500	136500	153500
Heating capacity		kW	22.5	26.0	31.5	45.0	50.0
		Btu/h	76800	88700	107500	153500	170600
Power input	Cooling	W	1516	1516	1516	1600	1600
	Heating	W	1516	1516	1516	1600	1600
Airflow rate(H/M/L)		m³/h	4700/4100/3599	4700/4100/3599	4700/4100/3599	7180/6150/4600	7180/6150/4600
		CFM	2766/2413/2118	2766/2413/2118	2766/2413/2118	4226/3620/2708	4226/3620/2708
External static pressure(Min/Std/Max)		Pa	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
Net dimension(WxHxD)		mm(in.)	1440x505x925(56-11/16x19-7/8x36-27/6)			1970x668x902.5(77-9/16x15-3/4x35-17/32)	
Packing dimension(WxHxD)		mm(in.)	1509x550x990(59-13/32x21-21/32x38-31/32)			2095x800x964(82-31/64x31-1/2x37-61/64)	
Net/gross weight		kg(lbs.)	115/129(254/284)			235/250(518/551)	
Piping connections	Liquid/gas pipe	mm(in.)	Φ9.53/Φ15.9x2/(Φ3/8/Φ5/8)x2			Φ9.53/Φ22.2x2/(Φ3/8/Φ7/8)x2	
	Drain piping	mm(in.)	Φ32(OD 1-17/64)				
Standard controller			Wired controller				

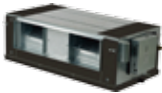
- Notes:
- Nominal cooling capacities are based on the following conditions: return air temp.: 27°C(80.6°F)DB, 19°C(66.2°F)WB, outdoor temp.: 35°C(95°F)DB, equivalent ref. piping: 7.5m (24.6ft.) (horizontal).
 - Nominal heating capacities are based on the following conditions: return air temp.: 20°C(68°F)DB, outdoor temp.: 7°C (44.6°F)DB, 6°C(42.8°F)WB, equivalent ref. piping: 7.5m (24.6ft.) (horizontal).
 - Sound Level is measured 1.4m(4.59ft.) below the unit.
- * External static pressure is based on high speed indoor air flow.
- Unit body dimensions given are the largest external dimensions of the unit, including hanger attachments.

accessories

- Standard**
 - **KJR-29-B** Wired controller
- Optional**
 - **SBH-04 Drain pump** (sizes D71÷D160)
 - **SBH-05 Drain pump** (sizes D200÷D280)

- ▶ 100% fresh air processing unit, both fresh air filtration and heating/cooling can be achieved in a single system
- ▶ External static pressure up to 280Pa facilitates extensive duct and grille network
- ▶ Water pump box is available as a customization option

FRESH AIR PROCESSING UNIT



technical data

50Hz specification

Model			CNFA-XMi D125	CNFA-XMi D140	CNFA-XMi D200
Power supply			1-phase,220-240V,50Hz		
Capacity	Cooling	kW	12.5	14.0	20.0
	Heating	kW	10.5	12.0	18.0
Power input	Cooling	W	455	455	1060×2
	Heating	W	455	455	1060×2
Airflow rate(H/M/L)			2142/1870/1611	2142/1870/1611	2870/2620/2150
External static pressure(Min/Std/Max)			30/50/196	30/50/196	50/200/280
Sound pressure level(H/M/L)			54/52/50	54/52/50	54/53/51
Net dimension(WxHxD)			1300×420×690	1300×420×690	1440×505×925
Packing dimension(WxHxD)			1436×450×768	1436×450×768	1509×550×990
Net/gross weight			69.5/76	69.5/76	115/125
Piping connections	Liquid/gas pipe	mm	Φ9.53/Φ15.9	Φ9.53/Φ15.9	Φ9.53/Φ15.9
	Drain pipe	mm	OD Φ25	OD Φ25	OD Φ32
Operation temperature range			Heating: -5~16; Fan only: 16~20; Cooling: 20~43		
Standard controller			Wired controller		

Model			CNFA-XMi D250	CNFA-XMi D280
Power supply			1-phase,220-240V,50Hz	
Capacity	Cooling	kW	25.0	28.0
	Heating	kW	20.0	22.0
Power input	Cooling	W	1126×2	1126×2
	Heating	W	1126×2	1126×2
Airflow rate(H/M/L)			3005/2700/2250	3005/2700/2250
External static pressure(Min/Std/Max)			50/200/280	50/200/280
Sound pressure level(H/M/L)			55/54/52	55/54/52
Net dimension(WxHxD)			1440×505×925	1440×505×925
Packing dimension(WxHxD)			1509×550×990	1509×550×990
Net/gross weight			115/125	115/125
Piping connections	Liquid/gas pipe	mm	Φ9.53/Φ15.9	Φ9.53/Φ15.9
	Drain pipe	mm	OD Φ32	OD Φ32
Operation temperature range			Heating: -5~16; Fan only: 16~20; Cooling: 20~43	
Standard controller			Wired controller	

- Notes:
1. Nominal cooling capacities are based on the following conditions: outdoor air temperature: 33°CDB, 28°CWB, equivalent ref. piping: 7.5m(horizontal).
 2. Nominal heating capacities are based on the following conditions: outdoor air temperature: 0°CDB, -2.9°CWB, equivalent ref. piping: 7.5m(horizontal).
 3. Sound level is measured at 1.4m below the air outlet.
- External static pressure is based on high speed indoor air flow.
- Connection Conditions:
- The following restrictions must be observed in order to maintain the indoor units connection to the same system.
- * When outdoor-air processing units are connected, the total connection capacity must be within 50% to 100% of that of the outdoor units.
 - * When outdoor-air processing units and standard indoor units are connected, the total connection capacity of the outdoor-air processing units must not exceed 30% that of the outdoor units.
 - * Outdoor-air processing units can be used without indoor units.
 - * The fresh air processing unit is not available for V4+R system & 8~26kW side discharge outdoor units.
4. Unit body dimensions given are the largest external dimensions of the unit, including hanger attachments.

accessories

Standard

- ▶ **KJR-29-B** Wired controller

Optional

- ▶ **SBH-04 Drain pump** (sizes D125-D140)
- ▶ **SBH-05 Drain pump** (sizes D200÷D280)

technical data

60Hz specification

Model			CNFAA-XMi D125	CNFAA-XMi D140	CNFAA-XMi D200
Power supply			1-phase,208-230V,60Hz		
Cooling capacity	kW		12.5	14.0	20.0
	Btu/h		42600	47800	68200
Heating capacity	kW		10.5	12.0	18.0
	Btu/h		36000	41000	61400
Power input	Cooling	W	455	455	1060×2
	Heating	W	455	455	1060×2
Airflow rate(H/M/L)	m³/h		2142/1870/1611	2142/1870/1611	2870/2620/2150
	CFM		1261/1101/948	1261/1101/948	1689/1542/1265
External static pressure(Min/Std/Max)			30/50/196	30/50/196	50/200/280
Sound pressure level(H/M/L)			54/52/50	54/52/50	54/53/51
Net dimension(WxHxD)			1300×420×690(51-3/16×16-17/32×27-11/64)		1440×505×925(56-11/16×19-7/8×36-27/6)
Packing dimension(WxHxD)			1436×450×768(56-17/32×17-23/32×30-1/4)		1509×550×990(59-13/32×21-21/32×38-31/32)
Net/gross weight			69.5/76(153.2/167.5)		114/124(251/274)
Piping connections	Liquid/gas pipe	mm(in.)	Φ9.53/Φ15.9/(Φ3/8/Φ5/8)		
	Drain piping	mm(in.)	Φ25(OD 63/64)		Φ32(OD 1-17/64)
Standard controller			Wired controller		

Model			CNFAA-XMi D250	CNFAA-XMi D280
Power supply				
Cooling capacity	kW		25.0	28.0
	Btu/h		85300	95500
Heating capacity	kW		20.0	22.0
	Btu/h		68200	75000
Power input	Cooling	W	1126×2	1126×2
	Heating	W	1126×2	1126×2
Airflow rate(H/M/L)	m³/h		3005/2700/2250	3005/2700/2250
	CFM		1766/1589/1324	1766/1589/1324
External static pressure(Min/Std/Max)			50/200/280	50/200/280
Sound pressure level(H/M/L)			55/54/52	55/54/52
Net dimension(WxHxD)			1440×505×925(56-11/16×19-7/8×36-27/6)	
Packing dimension(WxHxD)			1509×550×990(59-13/32×21-21/32×38-31/32)	
Net/gross weight			114/124(251/274)	
Piping connections	Liquid/gas pipe	mm(in.)	Φ9.53/Φ15.9/(Φ3/8/Φ5/8)	
	Drain piping	mm(in.)	Φ32(OD 1-17/64)	
Standard controller			Wired controller	

- Notes:
1. Nominal cooling capacities are based on the following conditions: outdoor air temperature: 33°C(91.4°F)DB, 28°C(82.4°F)WB, equivalent ref. piping: 7.5m (24.6ft.) (horizontal).
 2. Nominal heating capacities are based on the following conditions: outdoor air temperature: 0°C(32°F)DB, -2.9°C(26.8°F)WB, equivalent ref. piping: 7.5m (24.6ft.) (horizontal).
 3. Sound Level is measured 1.4m(4.59ft.) below the unit.
- * External static pressure is based on high speed indoor air flow.
- Connection Conditions:
- The following restrictions must be observed in order to maintain the indoor units connection to the same system.
- * When outdoor-air processing units are connected, the total connection capacity must be within 50% to 100% of that of the outdoor units.
 - * When outdoor-air processing units and standard indoor units are connected, the total connection capacity of the outdoor-air processing units must not exceed 30% that of the outdoor units.
 - * Outdoor-air processing units can be used without indoor units.
 - * The fresh air processing unit is not available for V4+R system & 8~26kW side discharge outdoor units.
4. Unit body dimensions given are the largest external dimensions of the unit, including hanger attachments.

accessories

Standard

- ▶ **KJR-29-B** Wired controller

Optional

- ▶ **SBH-04 Drain pump** (sizes D125-D140)
- ▶ **SBH-05 Drain pump** (sizes D200÷D280)

1st Gen. IDU

1st
Gen. IDU

WALL MOUNTED UNIT



- ▶ Three interchangeable panels allow units to blend easily with any interior decoration, perfect for rooms with no false ceilings or free floor space
- ▶ Refrigerant pipe direction can be left, right or rear as the installation situation requires

technical data

50/60Hz specification

Model			GWMN-XMi D22	GWMN-XMi D28	GWMN-XMi D36	GWMN-XMi D45
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)		m³/h	422/393/356	417/370/316	656/573/488	594/507/424
Sound pressure level (H/M/L)		dB(A)	31/30/29	31/30/29	33/32/30	35/33/31
Net dimension (WxHxD)		mm	835×280×203	835×280×203	990×315×223	990×315×223
Packing dimension (WxHxD)		mm	935×385×320	935×385×320	1085×420×335	1085×420×335
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	mm	Φ6.35/Φ12.7			
	Drain pipe	mm	OD Φ16.5			
Standard controller			Wireless remote controller			

Model			GWMN-XMi D56	GWMN-XMi D71	GWMN-XMi D80	GWMN-XMi D90
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)		m³/h	747/648/547	1195/1005/809	1195/1005/809	1421/1067/867
Sound pressure level (H/M/L)		dB(A)	38/36/34	44/39/36	44/39/36	48/43/38
Dimension (WxHxD)		mm	990×315×223	1194×343×262	1194×343×262	1194×343×262
Packing (WxHxD)		mm	1085×420×335	1290×375×460	1290×375×460	1290×375×460
Net/ Gross weight		kg	12.8/16.9	17/22.4	17/22.4	17/22.4
Piping connections	Liquid/gas pipe	mm	Φ9.53/Φ15.9	Φ9.53/Φ15.9	Φ9.53/Φ15.9	Φ9.53/Φ15.9
	Drain pipe	mm	OD Φ16.5			
Standard controller			Wireless remote controller			

- 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. Sound pressure level is measured 1m in front and 1m below the unit in a semi-anechoic chamber.
 4. Unit body dimensions given are the largest external dimensions of the unit, including hanger attachments.

accessories

- Standard**
- ▶ **RM12A** Wireless remote controller

1st Gen. IDU

1st
Gen. IDU

CONSOLE



- ▶ Combination of four air inlets and two air outlets ensures that cooling and heating are distributed in all directions.

technical data

50/60Hz specification

Model			DNB-XMi D22	DNB-XMi D28
Power supply			1-phase,220-240V,50Hz	
Capacity	Cooling	kW	2.2	2.8
	Heating	kW	2.6	3.2
Power input	Cooling	W	20	25
	Heating	W	20	25
Airflow rate(H/M/L)		m³/h	430/345/229	510/430/229
Sound pressure level(H/M/L)		dB(A)	38/32/26	39/33/27
Net dimension(WxHxD)		mm	700×600×210	700×600×210
Packing dimension(WxHxD)		mm	810×710×305	810×710×305
Net/gross weight		kg	14/19	15/20
Piping connections	Liquid/gas pipe	mm	Φ6.35/Φ12.7	Φ6.35/Φ12.7
	Drain pipe	mm	OD Φ16	OD Φ16
Standard controller			Wireless remote controller	

Model			DNB-XMi D36	DNB-XMi D45
Power supply			1-phase,220-240V,50Hz	
Capacity	Cooling	kW	3.6	4.5
	Heating	kW	4.0	5.0
Power input	Cooling	W	25	45
	Heating	W	25	45
Airflow rate(H/M/L)		m³/h	510/430/229	660/512/400
Sound pressure level(H/M/L)		dB(A)	39/33/27	42/39/36
Net dimension(WxHxD)		mm	700×600×210	700×600×210
Packing dimension(WxHxD)		mm	810×710×305	810×710×305
Net/gross weight		kg	15/20	15/20
Piping connections	Liquid/gas pipe	mm	Φ6.35/Φ12.7	Φ6.35/Φ12.7
	Drain pipe	mm	OD Φ16	OD Φ16
Standard controller			Wireless remote controller	

- 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. Sound pressure level is measured 1m in front and 1m above the floor in a semi-anechoic chamber.
 4. Unit body dimensions given are the largest external dimensions of the unit, including hanger attachments.

accessories

- Standard**
- ▶ **RM12A** Wireless remote controller

CEILING / FLOOR



technical data

50Hz specification

Model			DDLCA-XMi D36	DDLCA-XMi D45	DDLCA-XMi D56	DDLCA-XMi D71	DDLCA-XMi D80
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)		m³ /h	650/570/500	800/600/500	800/600/500	800/600/500	1200/900/700
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)		mm	990×203×660	990×203×660	990×203×660	990×203×660	1280×203×660
Packing dimension(WxHxD)		mm	1089×296×744	1089×296×744	1089×296×744	1089×296×744	1379×296×744
Net/gross weight		kg	26/32	28/34	28/34	28/34	34.5/41
Piping connections	Liquid/gas pipe	mm	Φ6.35/Φ12.7	Φ6.35/Φ12.7	Φ9.53/Φ15.9	Φ9.53/Φ15.9	Φ9.53/Φ15.9
	Drain pipe	mm	OD Φ25	OD Φ25	OD Φ25	OD Φ25	OD Φ25
Standard controller			Wireless remote controller				

Model			DDLCA-XMi D90	DDLCA-XMi D112	DDLCA-XMi D140	DDLCA-XMi D160
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)		m³/h	1200/900/700	1980/1860/1730	1980/1860/1730	2300/2100/1800
Sound pressure level(H/M/L)		dB(A)	45/43/40	47/45/42	47/45/42	49/47/44
Net dimension(WxHxD)		mm	1280×203×660	1670×244×680	1670×244×680	1670×285×680
Packing dimension(WxHxD)		mm	1379×296×744	1764×329×760	1764×329×760	1775×377×760
Net/gross weight		kg	34.5/41	54/59	54/59	57.5/63.5
Piping connections	Liquid/gas pipe	mm	Φ9.53/Φ15.9	Φ9.53/Φ15.9	Φ9.53/Φ15.9	Φ9.53/Φ15.9
	Drain pipe	mm	OD Φ25	OD Φ25	OD Φ25	OD Φ25
Standard controller			Wireless remote controller			

- Notes:
- 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).
 - 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).
 - Floor standing: Sound level is measured 1m horizontally and 1m vertically from the air-outlet.
Ceiling mounted: Sound level is measured 1m horizontally and 1m vertically from the air-outlet.

accessories

- Standard
- RM12A Wireless remote controller

technical data

60Hz specification

Model			DDLCA-XMi D36	DDLCA-XMi D45	DDLCA-XMi D56	DDLCA-XMi D71
Power supply			1-phase, 220-240V, 60Hz			
Cooling capacity		kW	3.6	4.5	5.6	7.1
		Btu/h	12300	15400	19100	24200
Heating capacity		kW	4.0	5.0	6.3	8.0
		Btu/h	13600	17100	21500	27300
Power input	Cooling	W	50	148	148	148
	Heating	W	50	148	148	148
Airflow rate(H/M/L)		m³/h	600/480/400	750/650/550	750/650/550	750/650/550
		CFM	353/283/235	441/383/324	441/383/324	441/383/324
Sound pressure level(H/M/L)		dB(A)	40/38/36	43/41/38	43/41/38	43/41/38
Net dimension(WxHxD)		mm(in.)	990x203x660(38-31/32x7-63/64x25-63/64)			
Packing dimension(WxHxD)		mm(in.)	1089x296x744(42-7/8x11-21/32x29-9/32)			
Net/gross weight		kg(lbs.)	26/32(57.3/70.6)	28/34(61.7/75.0)	28/34(61.7/75.0)	28/34(61.7/75.0)
Piping connections	Liquid/gas pipe	mm(in.)	Φ6.35/Φ12.7(Φ1/4/Φ1/2)		Φ9.53/Φ15.9(Φ3/8/Φ5/8)	
	Drain piping	mm(in.)	Φ25(OD 63/64)			
Standard controller			Wireless remote controller			

Model			DDLCA-XMi D80	DDLCA-XMi D90	DDLCA-XMi D112	DDLCA-XMi D140	DDLCA-XMi D160	
Power supply			1-phase, 220-240V, 60Hz					
Cooling capacity			kW	8.0	9.0	11.2	14.0	16.0
			Btu/h	27300	30700	38200	47800	54600
Heating capacity			kW	9.0	10.0	12.5	15.0	18.0
			Btu/h	30700	34100	42700	51200	61400
Power input	Cooling	W	183	183	245	245	378	
	Heating	W	183	183	245	245	378	
Airflow rate(H/M/L)			m³/h	1200/900/700	1200/900/700	1980/1860/1730	1980/1860/1730	2300/2100/1800
			CFM	706/530/412	706/530/412	1165/1095/1018	1165/1095/1018	1354/1236/1060
Sound pressure level(H/M/L)			dB(A)	45/43/40	45/43/40	47/45/42	47/45/42	49/47/44
Net dimension(WxHxD)			mm(in.)	1280×203×660(50-25/64×7-63/64×25-63/64)		1670×244×680(65-3/4×9-39/64×26-49/64)		1670×285×680(65-3/4×11-7/32×26-49/64)
Packing dimension(WxHxD)			mm(in.)	1379×296×744(54-19/64×11-21/32×29-19/64)		1764×329×760(69-29/64×12-61/64×29-59/64)		1775×377×760(69-7/8×14-27/32×29-59/64)
Net/gross weight			kg(lbs.)	34.5/41(76.1/90.4)		54/59(119.0/130.1)		57.5/63.5(126.5/139.7)
Piping connections	Liquid/gas pipe	mm(in.)	Φ9.53/Φ15.9(Φ3/8/Φ5/8)					
	Drain piping	mm(in.)	Φ25(OD 63/64)					
Standard controller			Wireless remote controller					

- Notes:
- Nominal cooling capacities are based on the following conditions: return air temp.: 27°C(80.6°F)DB, 19°C(66.2°F)WB, outdoor temp.: 35°C(95°F)DB, equivalent ref. piping: 7.5m (24.6ft.) (horizontal).
 - Nominal heating capacities are based on the following conditions: return air temp.: 20°C(68°F)DB, outdoor temp.: 7°C (44.6°F)DB, 6°C(42.8°F)WB, equivalent ref. piping: 7.5m (24.6ft.) (horizontal).
 - Floor standing : Sound level is measured 1m(3.28ft.) horizontally and 1m(3.28ft.) vertically from the air-outlet.
Ceiling mounted: Sound level is measured 1m(3.28ft.) horizontally and 1m(3.28ft.) vertically from the air-outlet.

accessories

- Standard
- RM12A Wireless remote controller

- Designed to be concealed in walls with only the suction and discharge grills visible

FLOOR STANDING UNIT (CONCEALED)



technical data

50Hz specification

Model			DZGF3B-XMi D22	DZGF3B-XMi D28	DZGF3B-XMi D36	DZGF3B-XMi D45
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	40	46	46	49
	Heating	W	40	46	46	49
Airflow rate(H/M/L)		m³/h	530/456/400	569/485/421	624/522/375	660/542/440
Sound pressure level(H/M/L)		dB(A)	36/33/29	36/33/29	37/34/30	37/34/30
Net dimension(WxHxD)		mm	840x545x212	840x545x212	1040x545x212	1040x545x212
Packing dimension(WxHxD)		mm	939x639x305	939x639x305	1139x639x305	1139x639x305
Net/gross weight		kg	25/27	25/27	29.5/34	29.5/34
Piping connections	Liquid/gas pipe	mm	Φ6.35/Φ12.7	Φ6.35/Φ12.7	Φ6.35/Φ12.7	Φ6.35/Φ12.7
	Drain pipe	mm	OD Φ25	OD Φ25	OD Φ25	OD Φ25
Standard controller			Wireless remote controller			

Model			DZGF3B-XMi D56	DZGF3B-XMi D71	DZGF3B-XMi D80
Power supply			1-phase,220-240V,50Hz		
Capacity	Cooling	kW	5.6	7.1	8.0
	Heating	kW	6.3	8.0	9.0
Power input	Cooling	W	88	130	130
	Heating	W	88	130	130
Airflow rate(H/M/L)		m³/h	1150/970/830	1380/1100/870	1380/1100/870
Sound pressure level(H/M/L)		dB(A)	41/35/31	44/39/33	44/39/33
Net dimension(WxHxD)		mm	1340x545x212	1340x545x212	1340x545x212
Packing dimension(WxHxD)		mm	1425x639x305	1425x639x305	1425x639x305
Net/gross weight		kg	33/39	33/39	36/40
Piping connections	Liquid/gas pipe	mm	Φ9.53/Φ15.9	Φ9.53/Φ15.9	Φ9.53/Φ15.9
	Drain pipe	mm	OD Φ25	OD Φ25	OD Φ25
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. Specifications of F3B series are measured at 10Pa external static pressure and F4/F5 series at 0Pa.
 4. Sound level is measured 1m horizontally from the air-outlet and 1m vertically above the floor.

accessories

- Standard**
- **RM12A** Wireless remote controller

- The F4 (front air intake) and F5 (underside air intake) offer a choice of air intake options

FLOOR STANDING UNIT (EXPOSED)



technical data

50Hz specification

Model			DZDF4-XMi D22	DZDF4-XMi D28	DZDF4-XMi D36	DZDF4-XMi D45
			DZDF5-XMi D22	DZDF5-XMi D28	DZDF5-XMi D36	DZDF5-XMi D45
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	40	46	46	49
	Heating	W	40	46	46	49
Airflow rate(H/M/L)		m³/h	530/456/400	569/485/421	624/522/375	660/542/440
Sound pressure level(H/M/L)	F4	dB(A)	36/33/29	36/33/29	37/34/30	37/34/30
	F5	dB(A)	36/33/29	36/33/29	37/34/30	37/34/30
Net dimension(WxHxD)	F4	mm	1000x596x225	1000x596x225	1200x596x225	1200x596x225
	F5	mm	1000x677x220	1000x677x220	1200x677x220	1200x677x220
Packing dimension(WxHxD)	F4	mm	1089x683x312	1089x683x312	1289x683x312	1289x683x312
	F5	mm	1182x683x312	1182x683x312	1382x683x312	1382x683x312
Net/gross weight	F4	kg	30/35	30/35	36/44	36/44
	F5	kg	30/38	30/38	35.5/41	35.5/41
Piping connections	Liquid/gas pipe	mm	Φ6.35/Φ12.7	Φ6.35/Φ12.7	Φ6.35/Φ12.7	Φ6.35/Φ12.7
	Drain pipe	mm	OD Φ25	OD Φ25	OD Φ25	OD Φ25
Standard controller			Wireless remote controller			

Model			DZDF4-XMi D56	DZDF4-XMi D71	DZDF4-XMi D80
			DZDF5-XMi D56	DZDF5-XMi D71	DZDF5-XMi D80
Power supply			1-phase,220-240V,50Hz		
Capacity	Cooling	kW	5.6	7.1	8.0
	Heating	kW	6.3	8.0	9.0
Power input	Cooling	W	88	130	130
	Heating	W	88	130	130
Airflow rate(H/M/L)		m³/h	1150/970/830	1380/1100/870	1380/1100/870
Sound pressure level(H/M/L)	F4	dB(A)	41/35/31	44/39/33	44/39/33
	F5	dB(A)	41/35/31	44/39/33	44/39/33
Net dimension(WxHxD)	F4	mm	1500x596x225	1500x596x225	1500x596x225
	F5	mm	1500x677x220	1500x677x220	1500x677x220
Packing dimension(WxHxD)	F4	mm	1589x683x312	1589x683x312	1589x683x312
	F5	mm	1682x683x312	1682x683x312	1682x683x312
Net/gross weight	F4	kg	41/46.5	41/46.5	42.5/48.5
	F5	kg	42/51	42/51	44/53
Piping connections	Liquid/gas pipe	mm	Φ9.53/Φ15.9	Φ9.53/Φ15.9	Φ9.53/Φ15.9
	Drain pipe	mm	OD Φ25	OD Φ25	OD Φ25
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. Specifications of F3B series are measured at 10Pa external static pressure and F4/F5 series at 0Pa.
 4. Sound level is measured 1m horizontally from the air-outlet and 1m vertically above the floor.

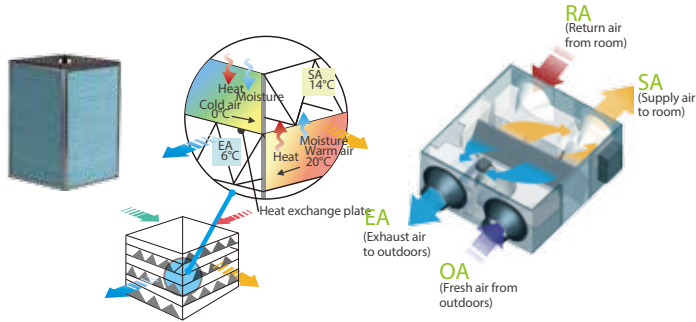
accessories

- Standard**
- **RM12A** Wireless remote controller

HEAT RECOVERY VENTILATOR

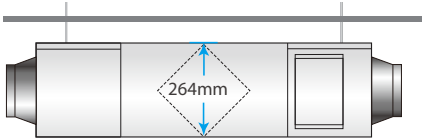
ENHANCED EFFICIENCY

The Clivet heat recovery ventilator (HRV) can greatly reduce energy loss and room temperature fluctuations caused by the ventilation process. The Clivet HRV's strong performance is a result of the advanced technology incorporated into its design. The heat exchanger core is made of specially treated paper which gives enhanced temperature and humidity control.



FLEXIBILITY

Heights starting from as little as 264mm and weights from as little as 23kg mean that the Clivet HRV can be easily installed even where space is limited.



FAN MOTOR OPTIONS

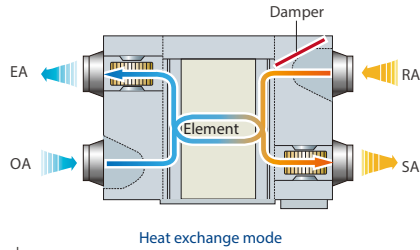
AC and DC fan versions available.

LOW NOISE

Soundproofing is used to guarantee quiet operation.

MULTIPLE MODES

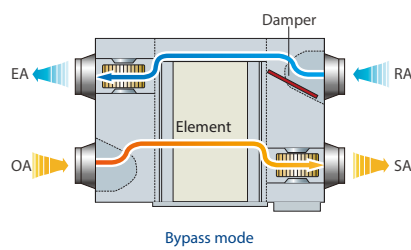
Heat exchange mode
The flows of incoming and outgoing air pass close to each other, allowing heat transfer between the two channels. During summer, incoming air is cooled by the indoor air being exhausted and in winter, incoming air is warmed.



Air supply mode
Air supply mode is where the supply fan is set to run faster than the exhaust fan, which is useful in mild climate installations with high fresh air ventilation requirements.

Auto mode
The controller chooses heat exchange mode or bypass mode according to the temperature difference between outdoors and indoors. Both fans are set to run at low speed.

Bypass mode
In mild climates or seasons, where temperature and humidity differences between indoors and outdoors are small, the HRV can work as a conventional ventilation fan. In standard bypass mode the supply and exhaust fans run at the same speed.



Exhaust mode
Exhaust mode is where the exhaust fan is set to run faster than the supply fan, which is useful in mild climate installations with large amounts of exhaust air to be expelled.

HRV WIRED CONTROLLER

KJR-27B is individually designed for HRV—Heat Recovery Ventilator. The HRV can work in the following modes: exhaust, air supply, bypass, heat exchange, and auto.



KJR-27B

technical data

AC Series

Model		HRV-Mi D200	HRV-Mi D300	HRV-Mi D400	HRV-Mi D500
Power supply	V/Ph/Hz	220-240/1/50		220-240/1/50 & 220/1/60	
Cooling temp. exchange efficiency (H/M/L)	%	55/55/60	55/55/60	55/55/60	55/55/60
Cooling enthalpy exchange efficiency (H/M/L)	%	50/50/55	50/50/55	50/50/55	50/50/55
Heating temp. exchange efficiency (H/M/L)	%	60/60/65	60/60/65	60/60/65	65/65/70
Heating enthalpy exchange efficiency (H/M/L)	%	55/55/60	55/55/60	60/60/65	60/60/65
Sound pressure level in heat exchange mode (H/M/L)	dB(A)	27/26/20	30/29/23	32/31/25	35/34/28
Sound pressure level in bypass mode (H/M/L)	dB(A)	28/27/22	31/30/25	33/32/27	36/35/30
Airflow rate (H/M/L)	m ³ /h	200/200/150	300/300/225	400/400/300	500/500/375
External static pressure (H/M/L)	Pa	75/58/35	75/60/40	80/65/43	80/68/45
Motor type		AC			
Duct diameter	mm	Φ144	Φ144	Φ144	Φ194
Net dimensions (WxDxH)	mm	866x655x264	944x722x270	944x927x270	1038x1026x270
Packed dimensions (WxDxH)	mm	960x770x445	1020x810x452	1020x1020x452	1120x1120x452
Net weight	kg	23	26	31	41
Gross weight	kg	40	44	52	64
Operating temperature range	°C	-7 to 43 DB, RH 80% or lower			

Model		HRV-Mi D800	HRV-Mi D1000	HRV-Mi D1500	HRV-Mi D2000
Power supply	V/Ph/Hz	220-240/1/50 & 220/1/60		380-415/3/50 & 220/3/60	
Cooling temp. exchange efficiency (H/M/L)	%	55/55/60	55/55/60	55	55
Cooling enthalpy exchange efficiency (H/M/L)	%	50/50/55	50/50/55	50	50
Heating temp. exchange efficiency (H/M/L)	%	65/65/70	65/65/70	65	65
Heating enthalpy exchange efficiency (H/M/L)	%	60/60/65	60/60/65	60	60
Sound pressure level in heat exchange mode (H/M/L)	dB(A)	39/38/32	40/39/33	51	53
Sound pressure level in bypass mode (H/M/L)	dB(A)	40/39/34	41/40/35	52	54
Airflow rate (H/M/L)	m ³ /h	800/800/600	1000/1000/750	1500	2000
External static pressure (H/M/L)	Pa	100/82/54	100/85/58	160	170
Motor type		AC			
Duct dimensions	mm	Φ242	Φ242	346x326	346x326
Net dimensions (WxDxH)	mm	1286x1006x388	1286x1256x388	1600x1270x540	1650x1470x540
Packed dimensions (WxDxH)	mm	1380x1100x573	1400x1370x573	1710x1410x720	1760x1610x720
Net weight	kg	62	79	163	182
Gross weight	kg	88	110	224	247
Operating temperature range	°C	-7 to 43 DB, RH 80% or lower			

Note:

- Models HRV-Mi D200 to HRV-Mi D1000 each have have 3 airflow settings; the airflow rates of the HRV-Mi D1500 and HRV-Mi D2000 are not adjustable.
- Sound level is measured 1.4m below the center of the unit in an semi-anechoic chamber.
- Efficiency is measured under the following conditions:
Cooling: exhaust air temp 27°C DB, 19.5°C WB; fresh air temp. 35°C DB, 28°C WB.
Heating: exhaust air temp 21°C DB, 13°C WB; fresh air temp. 5°C DB, 2°C WB.

accessories

Standard

- **KJR-27B** Wired controller

technical data

AC Series

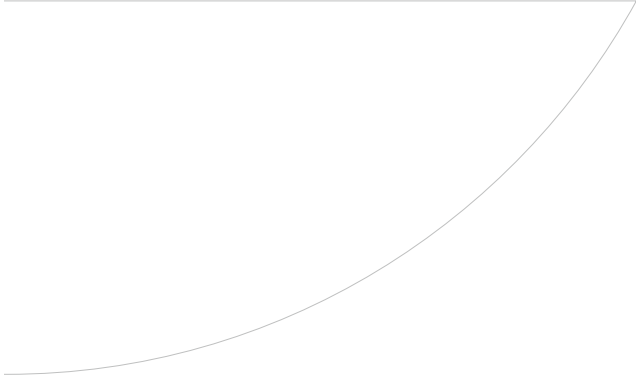
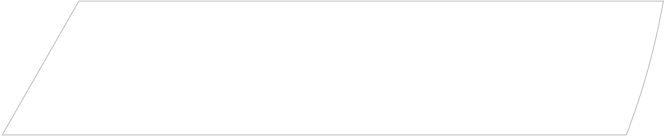
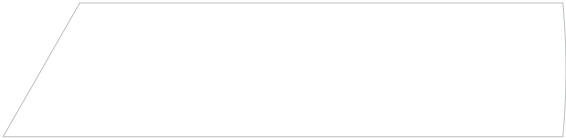
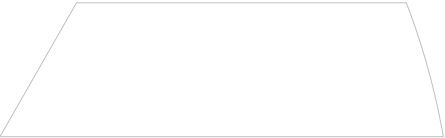
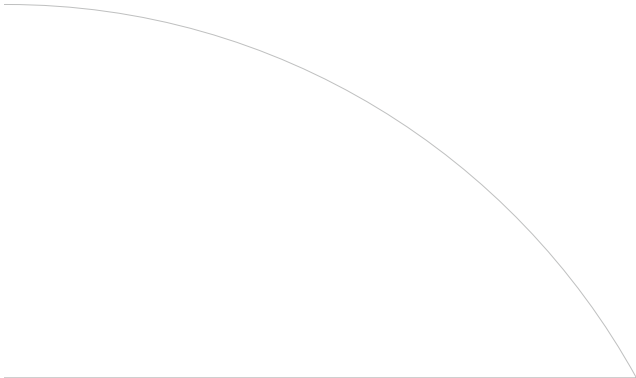
Model		HRV-2-Mi D200	HRV-2-Mi D300	HRV-2-Mi D400	HRV-2-Mi D500
Power supply	V/Ph/Hz	220-240/1/50(60)			
Power input	kW	0.07	0.1	0.11	0.15
Nominal temperature efficiency	%	81.1	75.5	77.7	80.6
Nominal enthalpy efficiency	%	77.5	72.1	73.5	74
Current	A	0.64	0.84	0.97	1.2
Indoor external static pressure (Hi)	Pa	100	90	100	90
Nominal air flow	m³/h	200	300	400	500
Sound pressure level	dB(A)	45	48	48	50
Net dimension (WxDxH)	mm	1195×801×272	1195×914×272	1276×1204×272	1311×1106×390
Packing size (WxDxH)	mm	1275×880×420	1275×994×420	1360×1284×420	1390×1244×540
Net/Gross weight	kg	46.5/63.5	56.5/75.5	71.5/91.5	76/98
Fresh air	Fresh Air Diameter	mm	Φ144	Φ198	Φ244
	Air drop	Pa	52	179	218
Operating temperature range		-7 to 43 DB, RH 80% or lower			

Model		HRV-2-Mi D800	HRV-2-Mi D1000	HRV-2-Mi D1500	HRV-2-Mi D2000
Power supply	V/Ph/Hz	220-240/1/50(60)			
Power input	kW	0.32	0.38	0.68	0.95
Nominal temperature efficiency	%	78.7	82.8	75.5	77.2
Nominal enthalpy efficiency	%	72.3	76	69.4	74.7
Current	A	2.4	2.9	3.8	5.7
Indoor external static pressure (Hi)	Pa	140	160	180	200
Nominal air flow	m³/h	800	1000	1500	2000
Sound pressure level	dB(A)	55	54	69	70
Net dimension (WxDxH)	mm	1311×1286×390	1311×1526×390	1740×1375×615	1811×1575×685
Packing size (WxDxH)	mm	1390×1424×540	1390×1670×540	1830×1520×770	1900×1720×845
Net/Gross weight	kg	80/104	90/112	181.5/213	208.5/245
Fresh air	Fresh Air Diameter	mm	Φ244	346×326	346×326
	Air drop	Pa	357	384	253
Operating temperature range		-7 to 43 DB, RH 80% or lower			

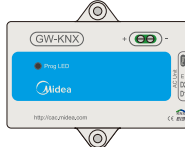
- Note:
- 1. All models each have have 3 airflow setting.
 - 2. Sound level is measured 1.4m below the center of the unit in an semi-anechoic chamber.
 - 3. The parameters in the above table are measured at high speed.

accessories

- **KJR-27B** Wired controller

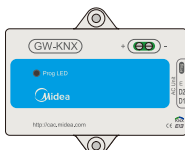


CONTROLLER LINEUP for CRV6/CRV6i

Wireless Remote Controllers	Wired Remote Controllers	Centralized Controllers Data converter		Network Control System	BMS Gateways	Accessories	
2nd Gen. IDU  RM05B RM12D	2nd Gen. IDU  WDC-86E/KD WDC-120G/WK	 CCM-180A/BWS		 IMMP-BAC	 IMMP-BAC	2nd Gen. IDU 1st Gen. IDU  Hotel Key Card Interface Module MD-NIM05/E MD-NIM05B/E	
1st Gen. IDU  RM02 RM05 RM12A	1st Gen. IDU  KJR-86C KJR-29B	 CCM-270B/WS		+  IMMP-S	 GW-LON	2nd Gen. IDU 1st Gen. IDU  Infrared Sensor Controller MD-NIM09	
	1st Gen. IDU  KJR-120B KJR-120C	 CCM-15		 CCM-270B/WS	 GW-MOD	Diagnosis software  MCAC-DIAG-B	1st Gen. IDU Indoor unit group controller  KJR-150A
				+  IMMP-S	1st Gen. IDU 2nd Gen. IDU  MD-KNX GW-KNX	XYE Extension Kit  MA-EK	2nd Gen. IDU IDU Online Kit  MCAC-PIDU

Note:
1. No comment of 1st generation AC/DC IDU or 2nd generation DC IDU on the superscript means all of the indoor series can be used.

CONTROLLER LINEUP for CRVC

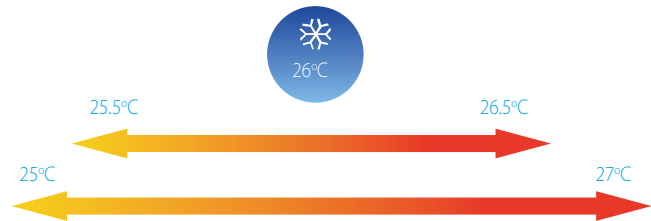
Wireless Remote	Wired Controller & Centralized Controller	Data Converter		Network Control System	BMS Gateways	Accessories
 1st Gen. IDU RM05	 1st Gen. IDU KJR-29B	 CCM-15		 IMMP-BAC	 IMMP-BAC	2nd Gen. IDU 1st Gen. IDU Hotel Key Card Interface Module  MD-NIM05/E MD-NIM05B/E
 2nd Gen. IDU RM12D(C)	 2nd Gen. IDU WDC-86E/KD	+  IMMP-S		 GW-LON	2nd Gen. IDU 1st Gen. IDU Infrared Sensor Controller  MD-NIM09	
	 2nd Gen. IDU WDC-120G/WK				 GW-MOD	2nd Gen. IDU Indoor Unit Online Kit  MCAC-PIDU XYE Extension Kit  MA-EK Indoor unit group controller  KJR-150A
	 CCM30				1st Gen. IDU 2nd Gen. IDU  MD-KNX GW-KNX	

Note: No comment of 1st generation AC/DC IDU or 2nd generation DC IDU on the superscript means all of the indoor series can be used.

WIRELESS REMOTE CONTROLLERS

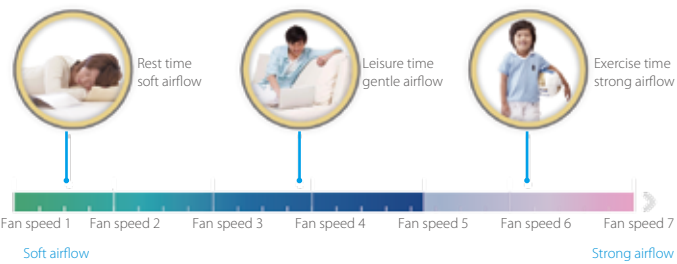
TEMPERATURE SETTING

Set temperature can be adjusted in 0.5°C or 1°C steps, enabling precise comfort control.



7-SPEED FAN CONTROL

7 indoor fan speeds provide control flexibility to meet the needs of different indoor conditions.



FOLLOW ME

With the follow me function, the indoor unit responds to the temperature measured by the temperature sensor built-in to the wireless remote controller, rather than the temperature sensor in the indoor unit itself, enabling more precise control of the temperature in the user's immediate environment.



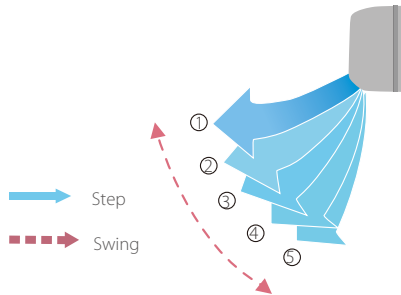
DISPLAY SHUT-OFF

Indoor unit displays can be shut off at night, creating a better environment for rest.



5 SWING ANGLES FOR LOUVER

Thanks to the 5 swing angles for indoor unit louver, the air flow direction can be controlled more precisely.



ECO MODE

Eco mode saves energy whilst retaining a comfortable indoor environment.



Features

Model	RM05B	RM12D RM12D(C)	RM02	RM05	RM12A
On / Off	●	●	●	●	●
Mode selection	●	●	●	●	●
Temperature setting	● (0.5°C or 1°C steps)	● (0.5°C or 1°C steps)	● (1°C steps)	● (1°C steps)	● (1°C steps)
7-speed fan control	●	●	—	—	—
Auto swing	●	●	●	●	●
5-step swing louver	●	●	—	—	—
Address setting	●	●	●	●	●
Follow me	—	●	●	—	●
Eco mode	●	●	●	●	●
Night silent mode	●	●	—	—	●
Display shut-off	●	●	—	—	—
Daily timer	●	●	●	●	●
Keyboard lock	●	●	●	●	●
Background light	●	●	●	●	●
Dimensions (HxWxD) (mm)	150x65x20	170x48x20	150x65x15	150x65x20	170x48x20
Batteries	1.5V (LR03/AAA) × 2				
Indoor unit series	2 nd generation DC IDU		1 st generation AC/DC IDU		

WIRED CONTROLLERS

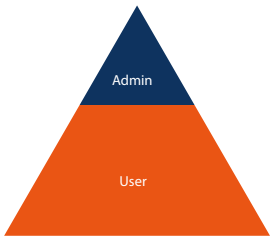
GROUP CONTROL

One controller can be used to unify the settings across up to 16 indoor units.



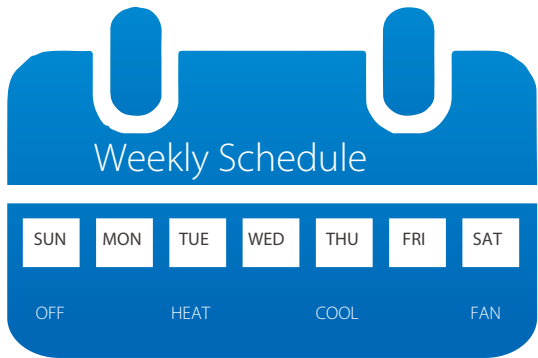
2 PERMISSION LEVELS

2 permission levels ensure users can easily access control functions and allow administrators convenient access to operating parameters.



WEEKLY SCHEDULE TIMER

The weekly schedule timer allows users to set multiple schedules each with its own operating mode, temperature settings and fan speeds.



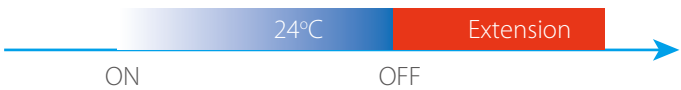
MAIN OR SECONDARY CONTROLLER SETTING

Two controllers can be used together delete with the indoor units' operating mode and settings being set according to the most recent instruction received. The controller display screens are synchronized so that both displays update when a setting is adjusted.



EXTENSION FUNCTION

The extension function is specifically designed for users working overtime. Pressing the delay button postpones system shutdown by 1 or 2 hours.



BI-DIRECTIONAL COMMUNICATION

The wired controller can query the system operating parameters thanks to the new bi-directional communication functionality. In addition, settings including static pressure, cold draft prevention and temperature compensation can be configured on the wired controller.



Note: This function is only available for VX/VXi/VC pro/V4+I(10-12HP) outdoor unit connected to 2nd generation DC indoor unit.

Features

Model	 WDC-86E/KD	 WDC-120G/WK
On / Off	●	●
Mode selection	●	●
Temperature setting	● (0.5°C or 1°C steps)	● (0.5°C or 1°C steps)
Dual temperature set points	●	●
7-speed fan control	●	●
Auto swing	●	●
5-step swing louver	●	●
Address setting	●	●
Follow me	●	●
Eco mode	●	●
Room temperature display	●	●
°F/°C display	●	●
Keyboard lock	—	●
Background light	●	●
Daily timer	●	●
Weekly schedule timer	—	●
Auto restart	●	●
2 permission levels	—	●
Bi-directional communication	●	●
Group control	—	●
Main or secondary controller setting	●	●
Display shut-off	●	●
Night silent mode	●	●
Remote signal receiver	●	●
Clean filter reminder	●	●
Extension function	—	●
Daylight saving time	—	●
Clock display	—	●
Dot matrix display	—	●
Error check function	●	●
System parameter querying	●	●
System setting control	●	●
Dimensions (WxHxD) (mm)	86x86x18	120x120x20
Power supply	18V DC	18V DC
Indoor unit series	2 nd generation DC IDU	

Features

Model	 KJR-86C	 KJR-29B
On / Off	●	●
Mode selection	●	●
Temperature setting	● (1°C steps)	● (1°C steps)
Dual temperature set points	—	—
7-speed fan control	—	—
Auto swing	—	●
5-step swing louver	—	—
Address setting	—	●
Follow me	—	●
Eco mode	●	—
Room temperature display	—	—
°F/°C display	—	—
Keyboard lock	—	●
Background light	—	●
Daily timer	—	●
Weekly schedule timer	—	—
Auto restart	●	●
2 permission levels	—	—
Bi-directional communication	—	—
Group control	—	—
Main or secondary controller setting	—	—
Display shut-off	—	—
Night silent mode	—	—
Remote signal receiver	—	●
Clean filter reminder	—	●
Extension function	—	—
Daylight saving time	—	—
Clock display	—	●
Dot matrix display	—	—
Error check function	—	—
System parameter querying	—	—
System setting control	—	—
Dimensions (WxHxD) (mm)	86x86x18	120x120x20
Power supply	5V DC	
Indoor unit series	1 st generation AC/DC IDU	

Features

Model	 KJR-120B	 KJR-120C
On / Off	●	●
Mode selection	●	●
Temperature setting	● (1°C steps)	● (1°C steps)
Dual temperature set points	—	—
7-speed fan control	—	—
Auto swing	●	●
5-step swing louver	—	—
Address setting	—	—
Follow me	—	—
Eco mode	—	—
Room temperature display	—	●
°F/°C display	—	●
Keyboard lock	●	●
Background light	●	●
Daily timer	●	●
Weekly schedule timer	—	—
Auto restart	●	—
2 permission levels	—	●
Bi-directional communication	●	—
Group control	—	—
Main or secondary controller setting	—	—
Display shut-off	—	—
Night silent mode	●	—
Remote signal receiver	—	—
Clean filter reminder	●	●
Extension function	—	—
Daylight saving time	—	—
Clock display	●	●
Dot matrix display	—	—
Error check function	●	●
System parameter querying	—	—
System setting control	—	—
Dimensions (WxHxD) (mm)	120x120x20	120x120x20
Power supply	5V DC	12V DC
Indoor unit series	1 st generation AC/DC IDU	

UNIT MODEL RECOGNITION

Colorful touch screen and vivid display make operation more convenient and simple.



User can set limits or locks on an indoor unit, such as minimum cooling temperature, maximum heating temperature, fan speed, operation mode, swing lock, remote controller lock and wired controller lock.



By importing floor plans and then dragging and dropping the indoor units to their actual positions on the floor plan, users can create a tailored system schematic which enables monitoring and control of the indoor units through a clear visual representation of the system layout.



The controllers use the patented Clivet 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.

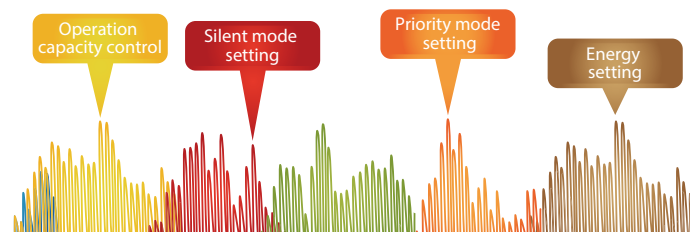


The weekly schedule timer allows users to set multiple schedules each with its own operating mode, temperature settings and fan speeds.

Units can be viewed according to group, system or location, making unit management clearer and more convenient.

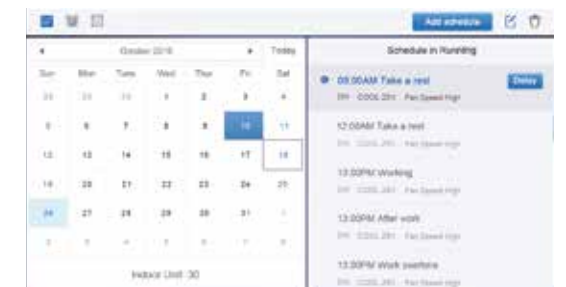


Outdoor unit configuration and settings can be monitored and controlled without having to go outdoors.



SCHEDULE MANAGEMENT

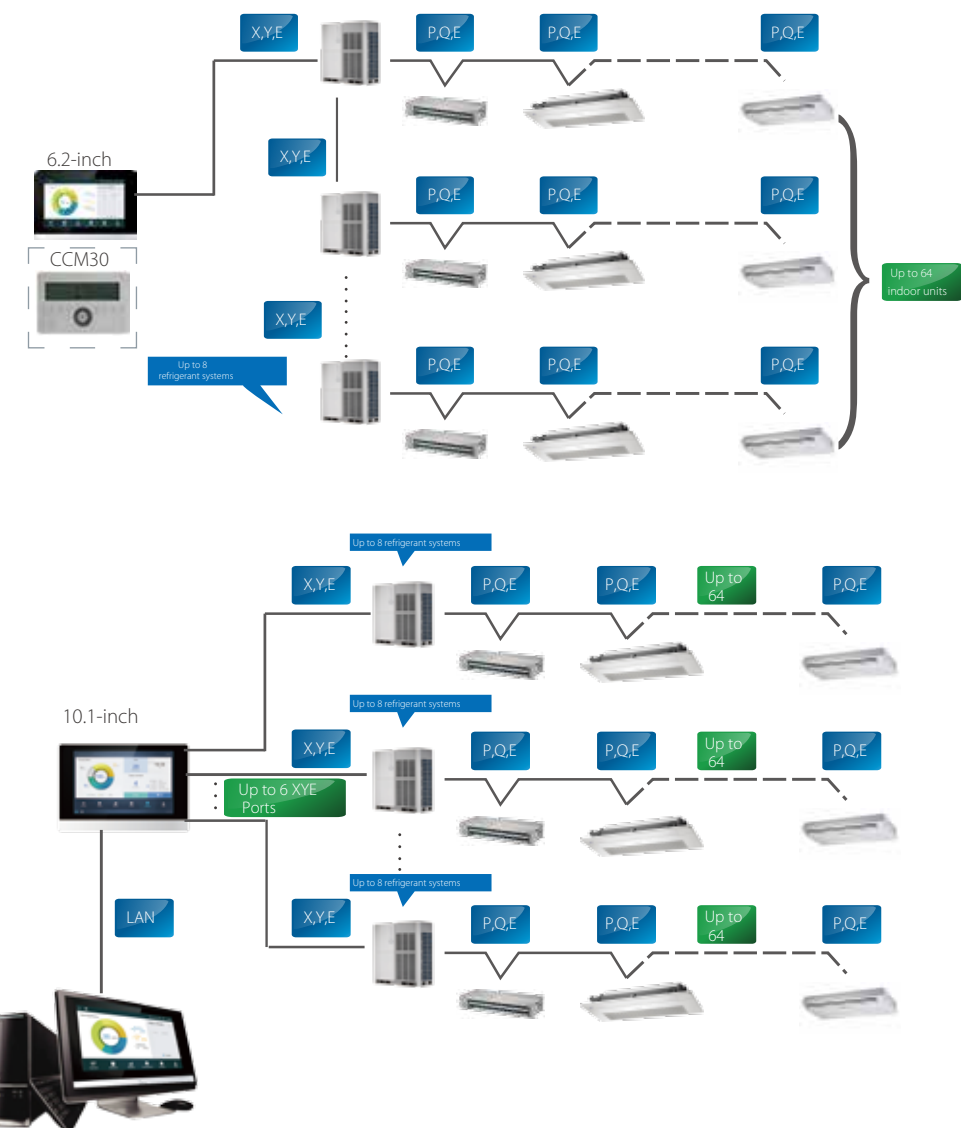
Daily, weekly or annual schedules can be used to set unit settings such as on/off, operating mode, set temperature, fan speed and swing.



A desktop or laptop PC can be used for browser-based access via a LAN connection.



The controllers can be connected to the master outdoor unit directly.



FEATURES

Function	 CCM-180A/BWS	 CCM-270B/WS	 CCM30
Max. number of indoor units	64	384	64
Max. number of refrigerant systems	8	48	8
Touch screen	● (6.2-inch)	● (10.1-inch)	—
On/Off	●	●	●
Mode selection	●	●	●
Temperature setting	● (0.5°C setps)*		● (1°C setps)
7-speed fan control	7-speed fan control (HP VRF)*; 3-speed fan control (HR VRF)		3-speed fan control
Auto swing	●	●	●
5-step swing louver*	●	●	—
Room temperature display	—	●	●
Holiday setting	●	●	—
°C/°F display	●	●	●
Schedule management	●	●	●
Clock display	●	●	—
2 permission levels	●	●	—
Extension function	●	—	—
Indoor unit type/model recognition	● (HP VRF)*; — (HR VRF)		—
Indoor unit with capacity larger than 16kW recognition	● *		Identify as two or four units (depend on units model)
Visual schematic	—	●	—
Energy management	●	●	Mode/Remote controller limit
Group management	●	●	—
Error check function	●	● *	●
System parameter querying	—	—	●
USB output	●	●	—
Report display	Error report	Error report and operation record	—
Operation log	—	●	—
LAN access	—	●	—
Language supported	English		
Dimensions (W×H×D) (mm)	182×123×34	270×183×27	179×119×74
Power supply	12V DC	24V AC	198-242V AC (50/60Hz)
Outdoor unit series or indoor unit series	CRV6/CRV6i ODU or 2nd generation indoor unit		CRVC ODU

Note: *means this function is only available for CRV6/CRV6i outdoor unit connected to 2nd generation DC indoor unit.

HIGH COMPATIBILITY

Compatible with a variety of operating systems.



USER FRIENDLY INTERFACE

Clear, stylish interface designed by leading industrial designers.



CLOUD SERVER WEBSITE

In addition to "M-control", users can control air conditioners and query the status of air conditioning equipment anytime and anywhere through the cloud server website.



VIRTUAL EXPERIENCE

After downloading "M-control", you can experience the operation of the interface through the virtual experience function without registration.



EASY CONFIGURATION

User groups can be joined simply by scanning a QR code.



CONVENIENT OPERATION

Drag the position of the floating bubbles to change temperature and fan speed.



ANYTIME CONTROL

Remote access to CCM-15 allows anytime, anywhere control.



CLEAR ICONS

Clear, color-coded icons allow unit operating states to be viewed at a glance.

AC-5

24 °C

HEAT

AC-6

-- °C

FAN

AC-4

24 °C

COOL

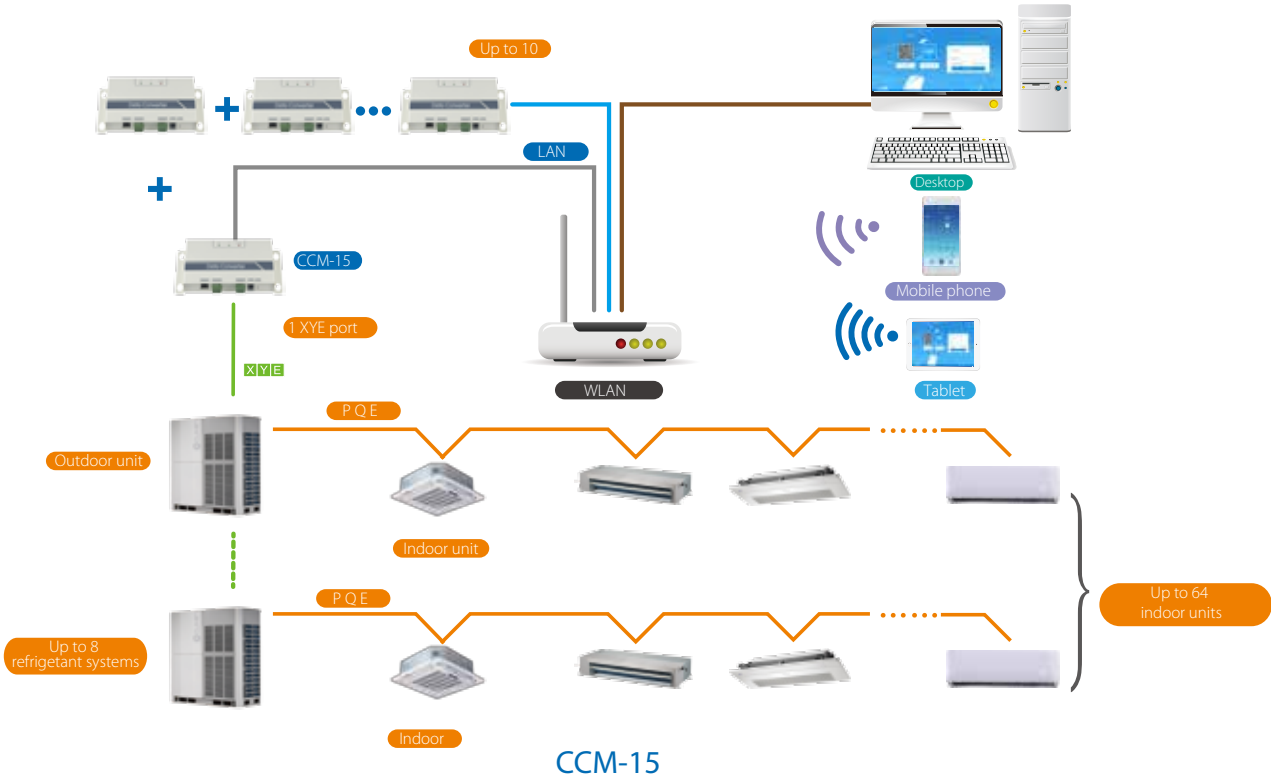
AC-2

Off

OFF

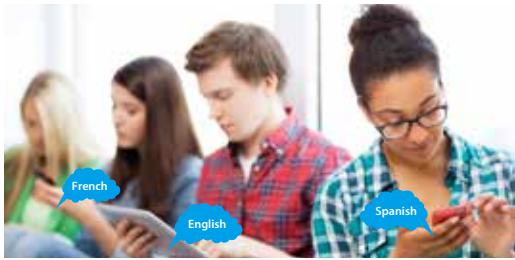
FLEXIBILITY

The Data Converter can be connected directly to a network of indoor/outdoor units.



MULTIPLE LANGUAGE OPTIONS

Supports multiple languages so that users of different languages can operate easily.



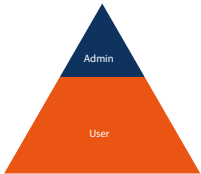
GROUP MANAGEMENT

The user can group the air conditioners equipment, and the air conditioner in the same group can be controlled together just with one tap.



2 PERMISSION LEVELS

Administrators can set different permissions for different users to facilitate better management of devices.



FEATURES

Hardware model	 CCM-15	
Application scenarios	 Mobile Phone Application	 Cloud Server Website
Max. number of CCM-15 for one mobile APP	10	10
Max. number of indoor units	640	640
Max. number of refrigerant systems	80	80
On/Off	●	●
Mode selection	●	●
Temperature setting	● (1°C steps)	● (1°C steps)
7-speed fan control	—	—
Auto swing	●	●
5-step swing louver	—	—
Room temperature display	●	●
°C/°F display	●	●
Weekly timer	●	●
Indoor unit type recognition	—	—
Energy management	●	●
Group management	●	●
User group management	●	●
Operation log	●	●
Device log	●	●
Login record	●	●
Error log	—	●
Configuration	●	—
Account registration	●	—
Virtual	●	—
Mode display	●	●
Languages supported	English, French, Spanish	English, French, Spanish
Dimensions (WxHxD) (mm)	187x115x28	
Power supply	1 phase, 100-240V, 50/60Hz	
Outdoor unit series	All series	

NETWORK CONTROL SYSTEM

USER-FRIENDLY INTERFACE

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



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 Clivet 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.



XPRESS INSTALLATION

With the Xpress Installation wizard, IMMPRO can be installed quickly and easily without requiring support from a technical support engineer.



PUBLIC AND IDLE DEVICES

Marking a unit as a public device or idle device ensures the electricity charge distribution is more accurate and reasonable.



VISUAL SCHEMATIC

By importing floor plans and then dragging and dropping the indoor units to their actual positions on the floor plan, users can create a tailored system schematic which enables monitoring and control of the indoor units through a clear visual representation of the system layout.

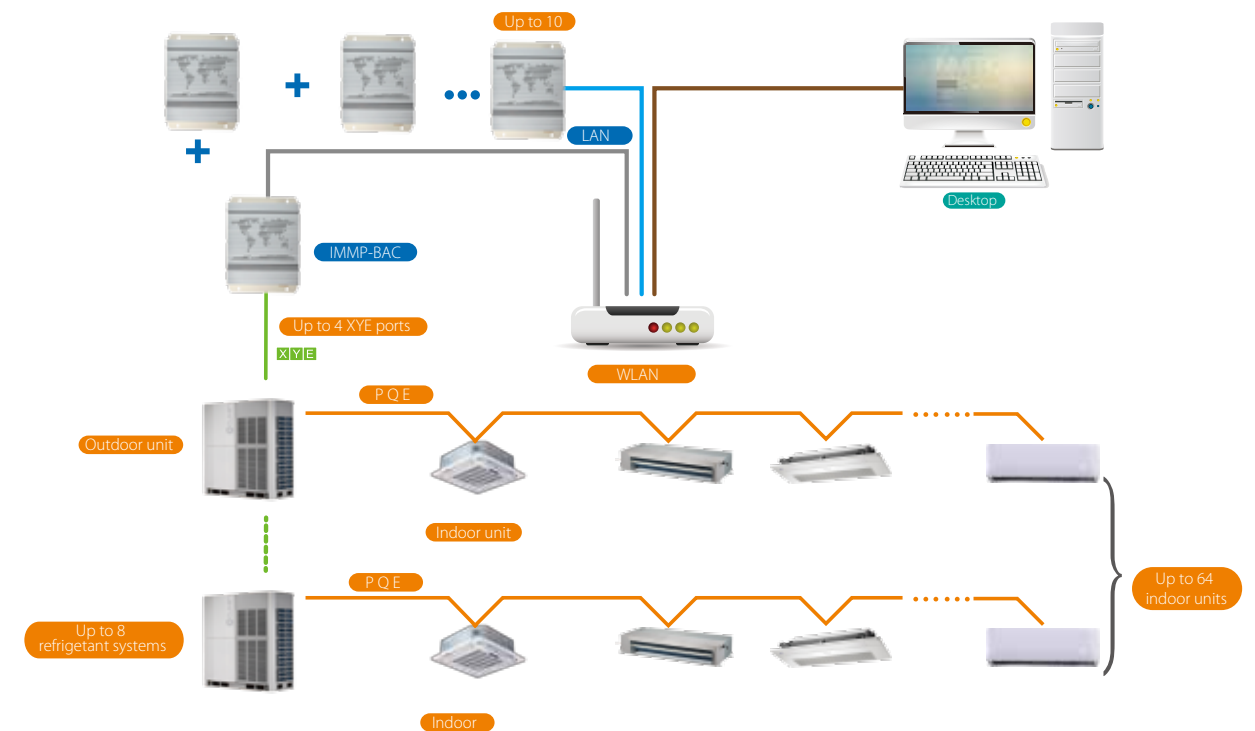


SCHEDULE MANAGEMENT

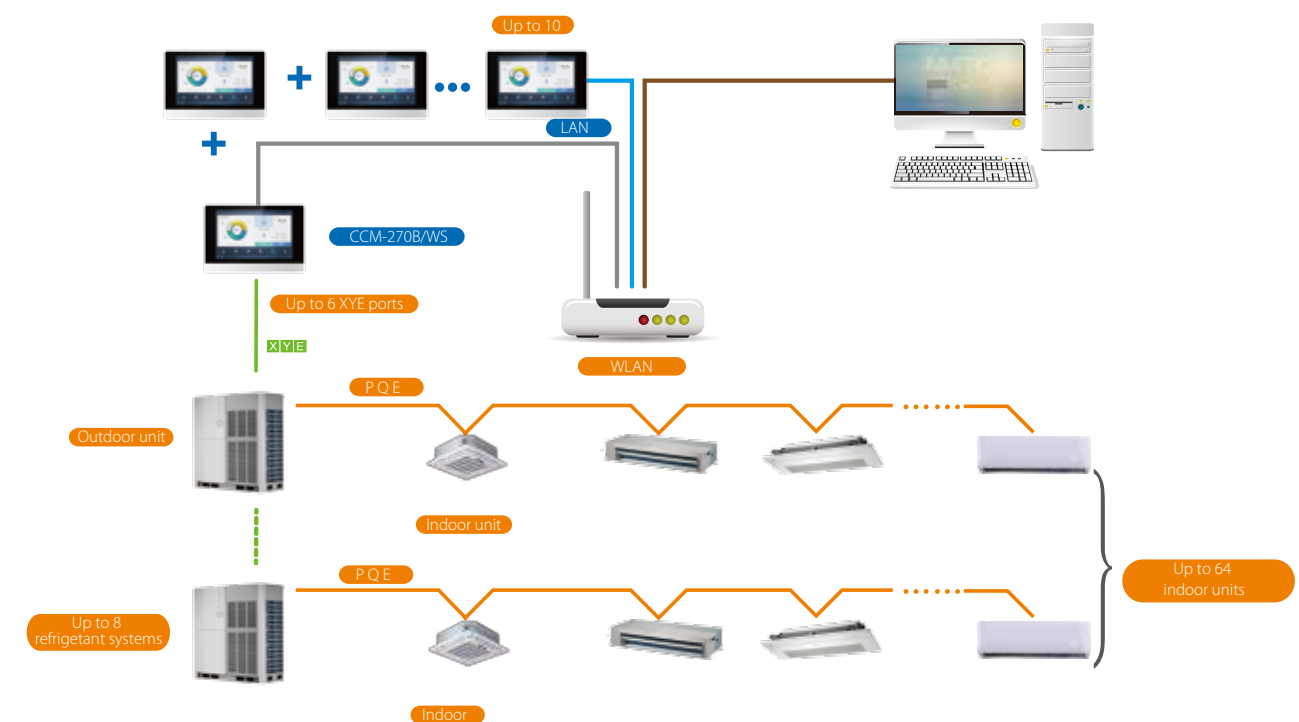
Daily, weekly or annual schedules can be used to set unit settings such as on/off, operating mode, set temperature, fan speed and swing.



NETWORK FLEXIBILITY



IMMP-BAC



CCM-270B/WS

Software model	 IMMP-S	
Hardware model	 IMMP-BAC	 CCM-270B/WS
Max. number per software system	10	10
Max. number of indoor units	2560	3840
Max. number of refrigerant systems	320	480
Temperature setting	● (0.5°C steps)	● (0.5°C steps)
7-speed fan control*	●	●
Auto swing	●	●
5-step swing louver*	●	●
Outdoor unit Eco mode setting	●	●
Holiday setting	●	●
Schedule management	●	●
Clock display	●	●
2 permission levels	●	●
Unit model recognition	●	●
Electricity charge distribution	●	●
Visual schematic	●	●
Energy management	●	●
Group management	●	●
Error check function	●	●
System parameter querying	●	●
Report output	●	●
Operation log	●	●
LAN access	●	●
Languages supported	English	English
Dimensions (WxHxD) (mm)	251x319x61	270x183x27
Power supply	1 phase, 100-240V, 50/60Hz	24V AC
Outdoor unit series	CRV6/CRV6i/CRVC ODU	

Note: *means this function is only available for CRV6/CRV6i/CRVC outdoor unit connected to 2nd generation DC indoor unit.

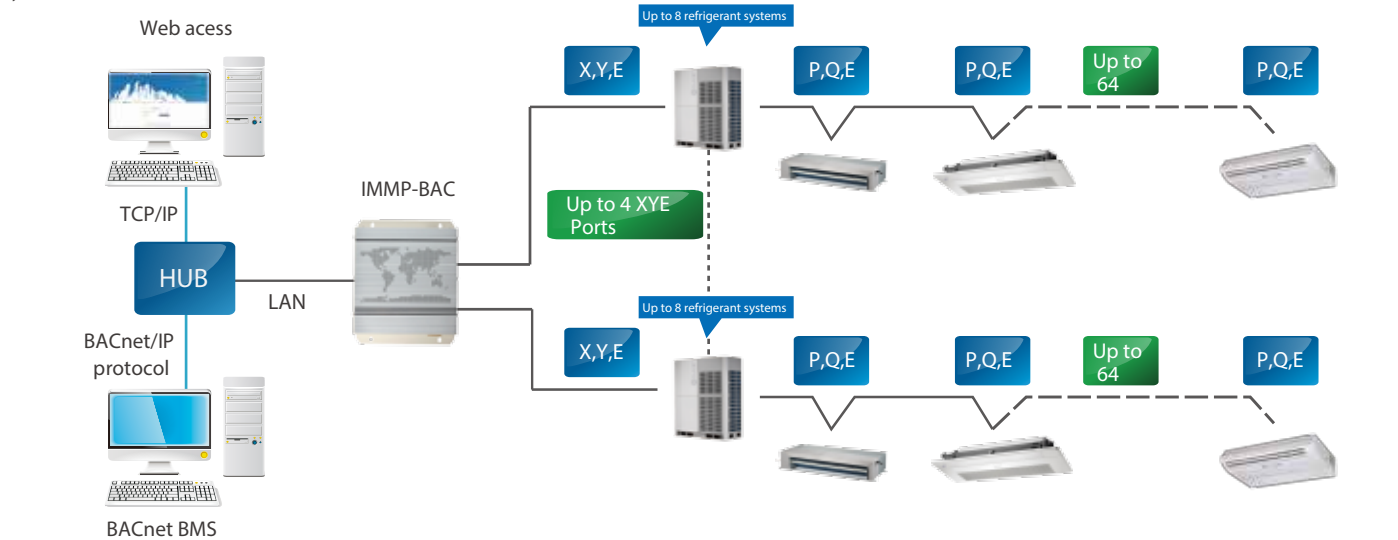
BACNET GATEWAY

FULL INTEGRATION

The Bacnet Gateway allows Clivet VRF systems to be monitored and controlled alongside other building management technology that use the BACnet protocol such as access control, fire detection and lighting systems.

NETWORK FLEXIBILITY

The gateway can be connected to master outdoor units' XYE or K1K2E ports directly.



FEATURES

Model		 IMMP-BAC
Max. number of devices (include indoor and outdoor units)		256
Max. number of refrigerant systems		32
Control	On / Off	●
	Mode selection	●
	Temperature setting	●
	Fan speed	●
	Energy management	●
Indoor unit monitoring	Room temperature display	●
	Error status	●
	Error alarms	●
Outdoor unit monitoring	Operating mode	●
	Outdoor ambient temperature	●
	Fan speed	●
	Compressor operating frequency	●
	Discharge temperature	●
	System pressure	●
	Error status	●
	Error alarms	●
		●
LAN access		●
BTL certification		●
Compatibility	Siemens	APOGEE
	Trane	TRACER
	Honeywell	ALERTON
	Schneider	Andover Continuum
	Johnson Controls	METASYS
Dimensions (HxWxD) (mm)		319x251x61
Power supply		1 phase, 100-240V, 50/60Hz
Outdoor unit series		CRV6/CRV6i/CRVC ODU

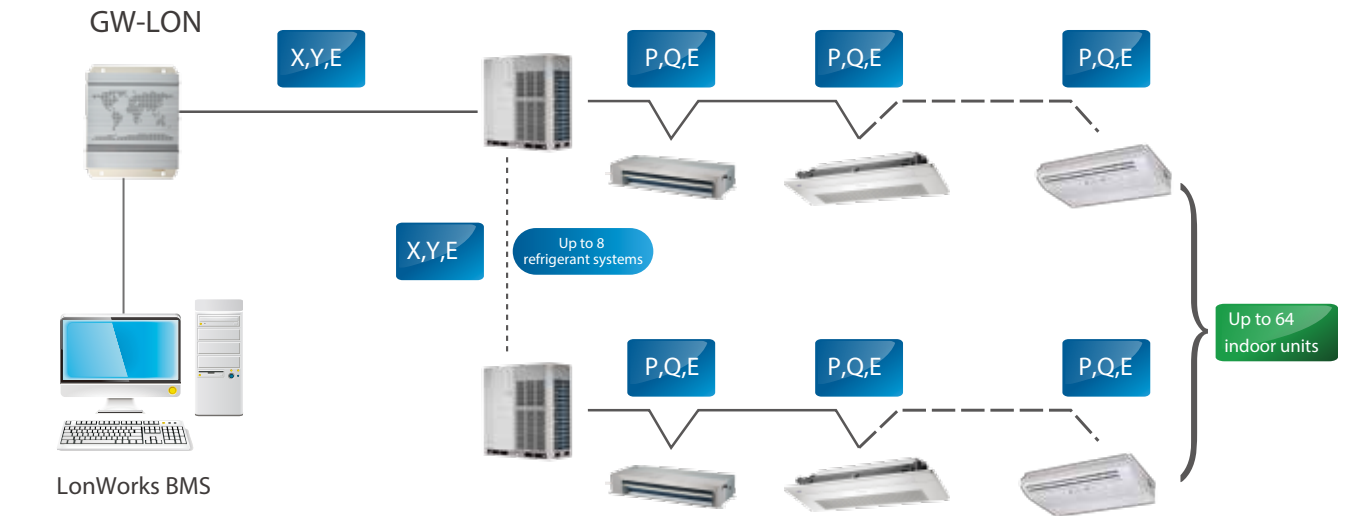
LONWORKS GATEWAY

FULL INTEGRATION

The LonWorks Gateway allows Clivet VRF systems to be monitored and controlled alongside other building management technology on the LonWorks platform such as security, fire safety and lighting systems.

NETWORK FLEXIBILITY

The gateway can be connected to master outdoor units' XYE port directly.



FEATURES

Model		
Max. number of indoor units		64
Max. number of refrigerant systems		8
Control	Mode selection	●
	Temperature setting	●
	Fan speed	●
	Group shut down	●
	On / Off	●
Indoor unit monitoring	Operating mode	●
	Set temperature	●
	Fan speed	●
	Online status	●
	Operating status	●
	Room temperature	●
	Error status	●
Outdoor unit monitoring	Error status	●
Dimensions (HxWxD)(mm)		319x251x61
Power supply		1 phase, 100-240V, 50/60Hz
Outdoor unit series		CRV6/CRV6i/CRVC ODU

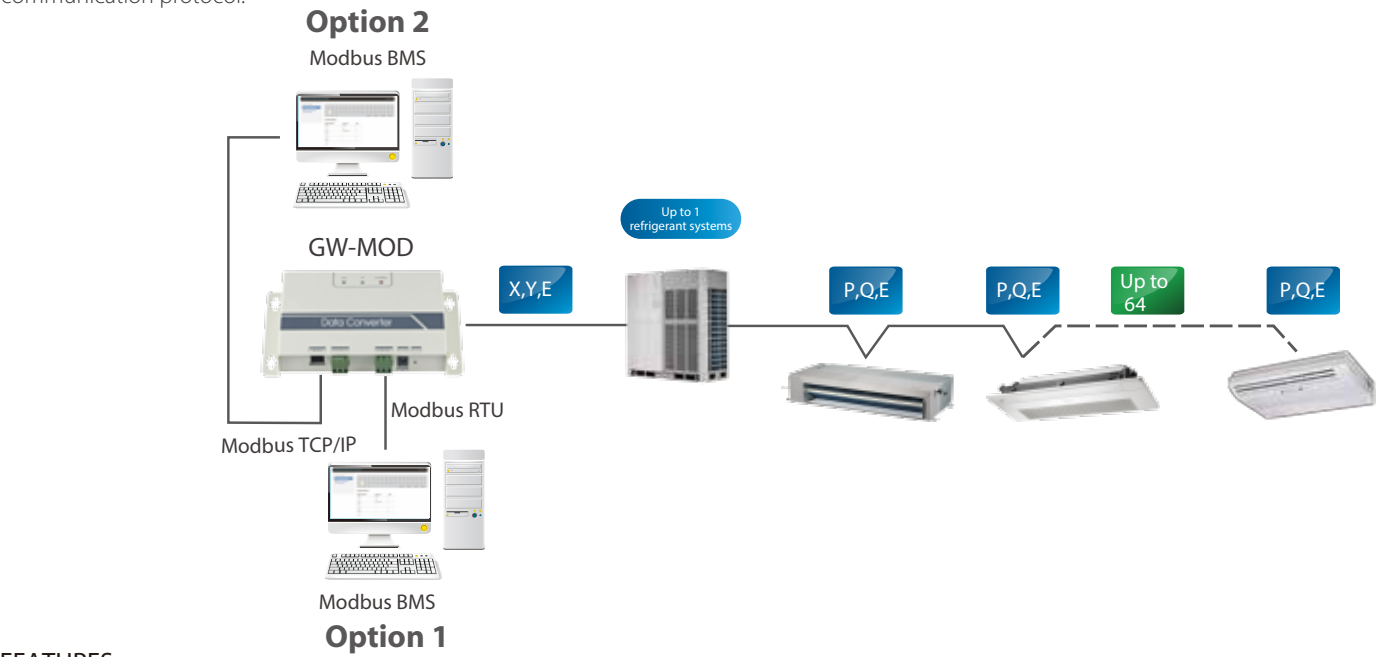
MODBUS GATEWAY

FULL INTEGRATION

The Modbus Gateway enables seamless connection of Clivet VRF systems with building management systems built on the Modbus communication protocol.

NETWORK FLEXIBILITY

The gateway can be connected to master outdoor units' XYE port directly.



FEATURES

Model		
Max. number of indoor units		64
Max. number of refrigerant systems		1
Control	On / Off	●
	Mode selection	●
	Temperature setting	●
	Fan speed	●
	Group on/off	●
Indoor unit monitoring	Online status	●
	Room temperature	●
	Error status	●
	Operating mode	●
Outdoor unit monitoring	Operating mode	●
	Lock status	●
	Fan speed	●
	Set temperature	●
	Outdoor ambient temperature	●
	Error status	●
LAN access		●
Dimensions (HxWxD)(mm)		187x115x28
Power supply		1 phase, 100-240V, 50/60Hz
Outdoor unit series		CRV6/CRV6i/CRVC ODU

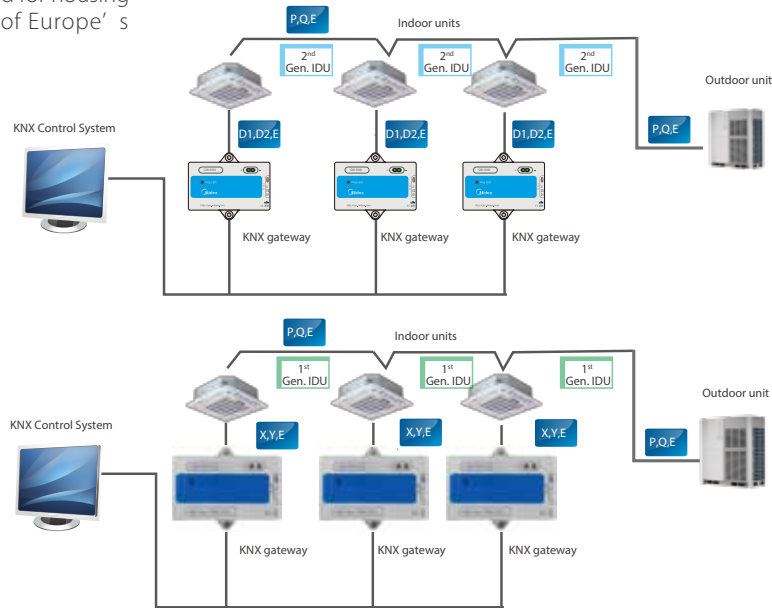
KNX GATEWAY

FULL INTEGRATION

The KNX Gateway enables full integration of Clivet VRF systems with home and building management systems built on the KNX network communications protocol. KNX is the only global standard for housing and building control, and has been adopted by 70% of Europe’ s smart home market.

NETWORK FLEXIBILITY

The gateway can be connected to indoor units' XYE or D1D2E ports directly.



FEATURES

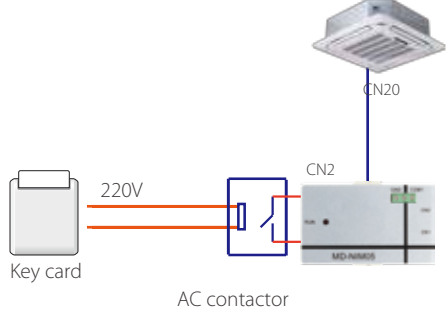
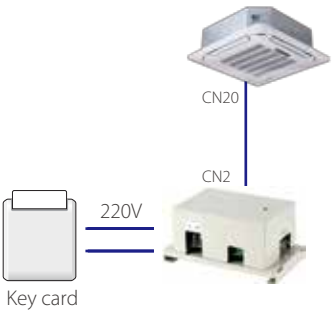
Model		 MD-KNX	 GW-KNX
Max. number of indoor units		1	1
Control	On / Off	●	●
	Mode selection	●	●
	Temperature setting	● (1°C steps)	● (1°C steps)
	7-speed fan control	●	● (3-speed)
	Swing	●	●
Monitoring	On / Off	●	●
	Mode selection	●	●
	Temperature setting	●	●
	Fan speed	●	●
	Swing	●	●
	Room temperature	●	●
	Error alarm	●	●
Dimensions (HxWxD) (mm)		85x51x16	85x51x16
Power supply		29VDC (KNX bus supply)	29VDC (KNX bus supply)
Indoor unit series		2 nd generation DC IDU	1 st generation DC IDU

HOTEL KEY CARD INTERFACE MODULES

FULL INTEGRATION

The Hotel Key Card Interface Modules enable power supply to indoor units to be integrated with hotel key card power supply management systems, which are designed to save energy by only running appliances whilst guests are present in their room.

FEATURES

Model	MD-NIM05/E	MD-NIM05B/E
Appearance		
Network flexibility		
Auto restart	●	●
Compatibility	Remote and wired controller	Remote and wired controller
Dimensions (HxWxD) (mm)	15.5x86x72.8	87x150x70
Power supply	5V DC (Supplied by indoor unit)	1 phase, 100-240V, 50/60Hz
Indoor unit series	all series	

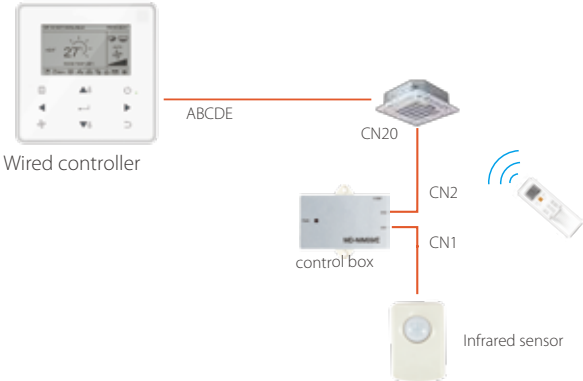
Note : The Hotel Key Card Interface Modules only compatible while using the infrared communication ports of wired Controllers.

INFRARED SENSOR CONTROLLER

FULL INTEGRATION

Using infrared sensors to detect movement, the MD-NIM09 Infrared Sensor Controller automatically turns indoor units on or off upon sensing that the room is occupied or unoccupied. Suitable for hotels, offices, conference rooms and residences, the Infrared Sensor Controller ensures climate control whilst minimizing energy consumption.

FEATURES

Model	MD-NIM09
Appearance	
Network flexibility	
Dimensions (HxWxD)(mm)	Sensor 46x30x25.6, Control box 86x72.8x15.5
Power supply	5V DC (Supplied by indoor unit)
Indoor unit series	all series

Note : The Hotel Key Card Interface Modules only compatible while using the infrared communication ports of wired Controllers.

DIAGNOSIS SOFTWARE

MONITOR AND DIAGNOSE

Clivet’s VRF Diagnosis Software tool is used to monitor VRF systems and diagnose system errors. System settings and operating parameters can be accessed easily and data logs can be reviewed for fault prevention purposes.

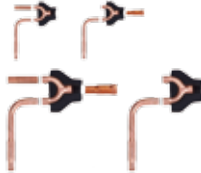
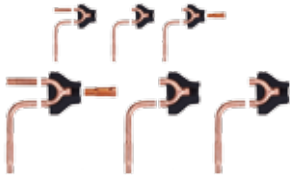
FEATURES

Model		 MCAC-DIAG-B
Max. number of indoor units		64
Max. number of refrigerant systems		1
Control	Mode selection	●
	Temperature setting	●
	Fan speed	●
Outdoor unit monitoring	Operating mode	●
	Capacity	●
	Compressor operating frequency	●
	Operating current	●
	Error status	●
	Temperatures	T3,T4,Tp (See note 1)
	Valve statuses	SV4, SV5, SVX, ST1 (See note 2)
Indoor unit monitoring	EXV position	●
	Operating mode	●
	Capacity	●
	Fan speed	●
	Address	●
	Temperatures	T1, T2, T2B, TS (See note 3)
EXV position		●
Error codes		●
Toubleshooting		●
Data logs		●
Diagrams		System schematic, refregetrant flow diagram, parameter chart
Languages supported		English
Outdoor unit series		CRV6/CRV6i ODU

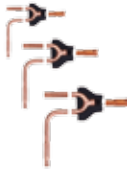
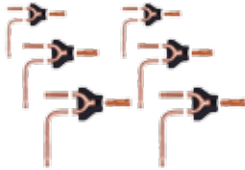
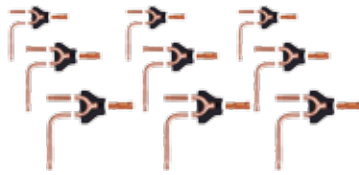
Notes:
1. Heat exchanger temperature, outdoor ambient temperature, discharge temperature.
2. Oil return valve, defrosting valve, EXV bypass valve, four-way valve.
3. Indoor ambient temperature, indoor heat exchanger mid-point temperature, indoor heat exchanger outlet temperature, set temperature.

Branch Joints

FOR HEAT PUMP OUTDOOR UNITS

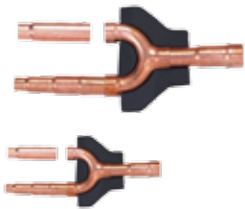
Type	Appearance	Model	PackedDimensions mm	GrossWeight kg	Note
Branch joints for CRVX/CRVC VRF		FQZHW-02N1E	255×150×185	2.0	Connecting two outdoor units
		FQZHW-03N1E	345×160×285	4.3	Connecting three outdoor units
Branch joints for V4+W VRF		FQZHW-02N1D	255×150×185	1.5	Connecting two outdoor units
		FQZHW-03N1D	345×160×285	3.4	Connecting three outdoor units
		FQZHW-04N1D	475×165×300	4.8	Connecting four outdoor units

FOR HEAT RECOVERY OUTDOOR UNITS

Type	Appearance	Model	Packed Dimensions mm	GrossWeight kg	Note
Branch joints between outdoor unit		FQZHW-02SB	272×167×232	2.2	Connecting two outdoor units
		FQZHW-03SB	472×157×312	5.0	Connecting three outdoor units
		FQZHW-04SB	745×160×335	7.5	Connecting four outdoor units
Branch joints between MS and outdoor unit		FQZHN-01SB	257×127×107	0.8	
		FQZHN-02SB	287×137×107	0.9	
		FQZHN-03SB	297×167×177	1.4	
		FQZHN-04SB	372×197×187	2.3	
		FQZHN-05SB	432×222×227	3.3	

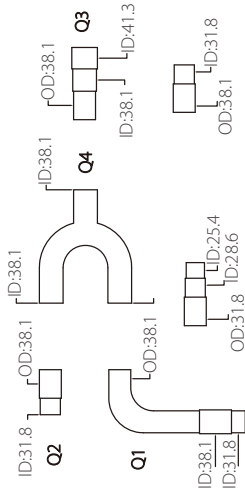
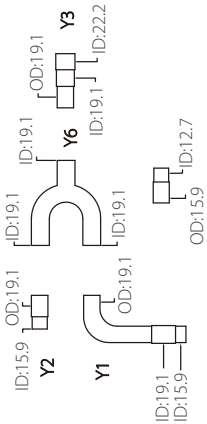
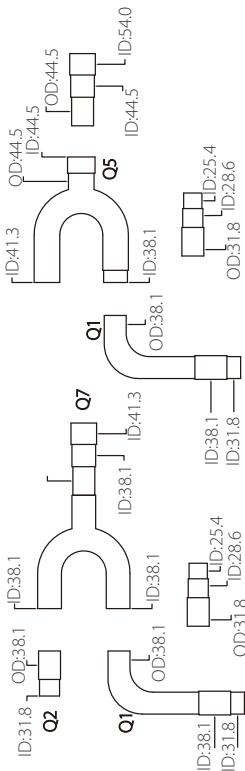
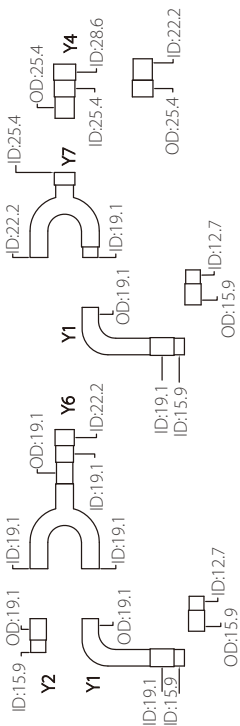
Branch Joints

FOR INDOOR UNITS

Type	Appearance	Model	PackedDimensions mm	GrossWeight kg	Note
Branch joints for indoor units		FQZHN - 01D	290x105x100	0.4	/
		FQZHN - 02D	290x105x100	0.6	/
		FQZHN - 03D	310x130x125	0.9	/
		FQZHN - 04D	350x180x170	1.5	/
		FQZHN - 05D	365x195x215	1.9	/
		FQZHN - 06D	390x230x255	3.1	/
		FQZHN - 07D	390x230x255	3.4	/

Dimensions

OUTDOOR BRANCH JOINTS

Model	Gas side joints	Liquid side joints
FQZHW-02N1E		
FQZHW-03N1E		

OUTDOOR BRANCH JOINTS

Model	Gas side joints	Liquid side joints
FQZHW-02N1D		
FQZHW-03N1D		
FQZHW-04N1D		

OUTDOOR BRANCH JOINTS

Model	Low-pressure gas side joints	High-pressure gas side joints	Liquid side joints
FQZHW-02SB			
FQZHW-03SB			
FQZHW-04SB			

BRANCH JOINTS BETWEEN MS AND OUTDOOR UNIT

Model	Low-pressure gas side joints	High-pressure gas side joints	Liquid side joints
FQZHN-01SB			
FQZHN-02SB			
FQZHN-03SB			
FQZHN-04SB			
FQZHN-05SB			

INDOOR BRANCH JOINTS

Model	Gas side joints	Liquid side joints
FQZHN-01D		
FQZHN-02D		
FQZHN-03D		
FQZHN-04D		
FQZHN-05D		
FQZHN-06D		
FQZHN-07D		

EXPERT DIAGNOSIS

Clivet 's VRF Diagnosis Software is specially designed to allow after-sales engineers, to understand the operating status of the system at a glance.



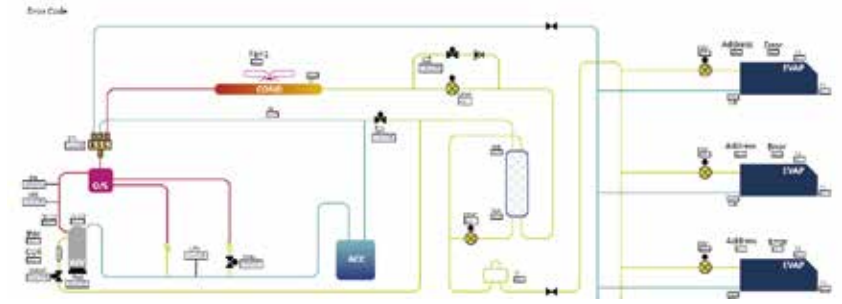
USE-FRIENDLY INTERFACE

A stylish and simple interface with rich graphical representations makes diagnosing system issues quick and convenient.

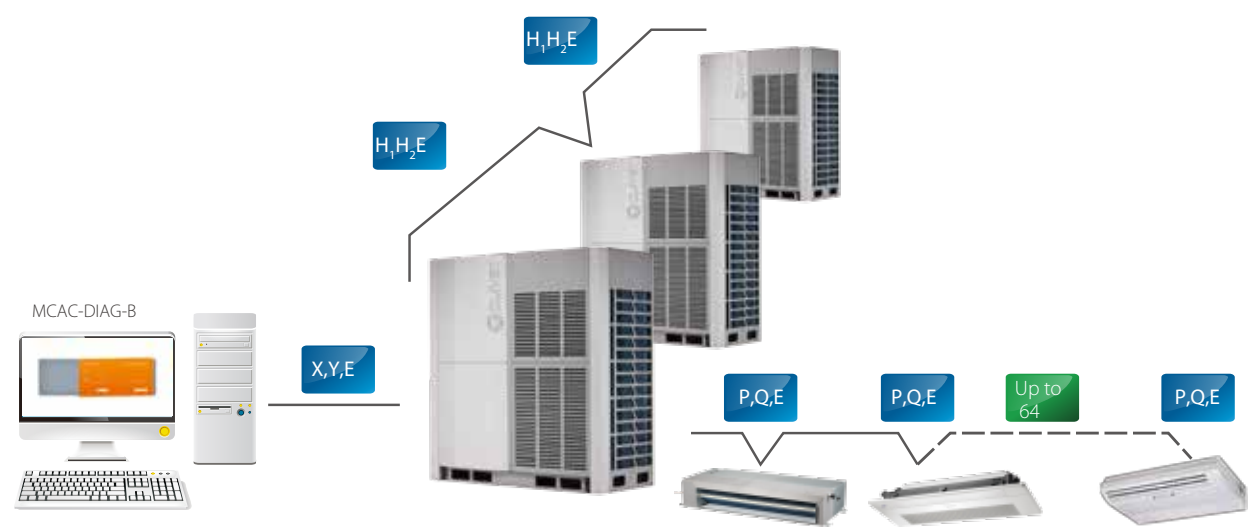


DIAGRAMS

A system schematic, refrigerant flow diagram and parameter chart can be generated to provide a graphical interpretation of the system status.



WIRING SCHEMATIC



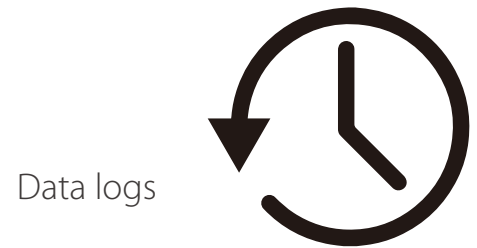
PARAMETER QUERYING

Access all the system parameters easily.



DATA LOGS

Data logs including operating records and error reports are saved by the software which is useful for discovering system issues.

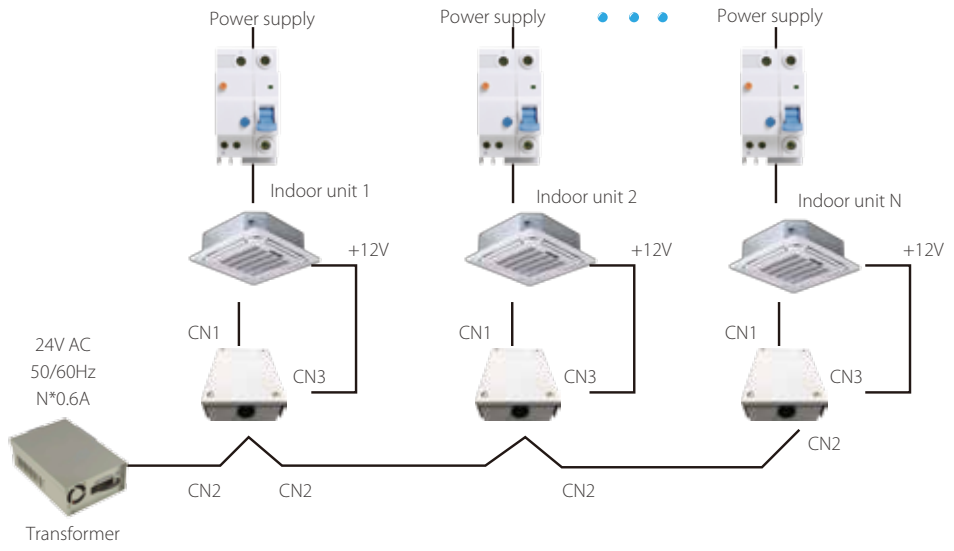


INDOOR UNIT ONLINE KIT

PREVENT UNNECESSARY SHUTDOWN

If the power supply for one indoor unit fails , the indoor unit will still remain online and the whole VRF system will not stop. The IDU online kit will keep the indoor unit online , thus keeping the other indoor units of the system working normally and prevent unnecessary shutdown.

FEATURES

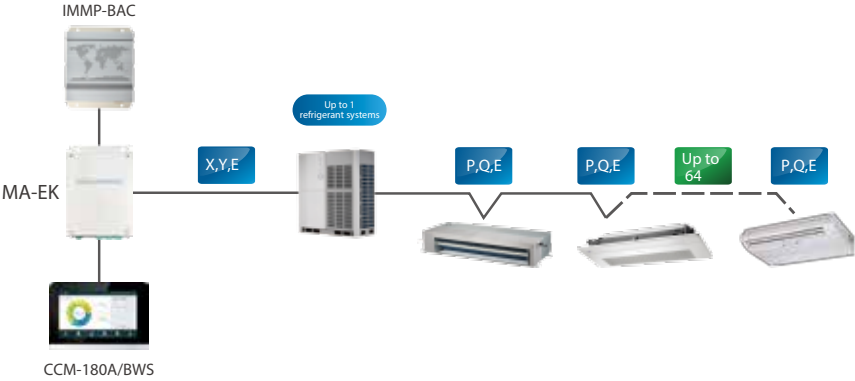
Model	 MCAC-PIDU
Network flexibility	 Power supply Indoor unit 1 Indoor unit 2 Indoor unit N 24V AC 50/60Hz N*0.6A Transformer CN1 CN2 CN3 +12V
Dimensions (HxWxD)(mm)	146.6 x 100.6x 46.8
Power supply	24V AC
Indoor unit series	2 nd generation DC IDU

XYE EXTENSION KIT

SIMPLE DESIGN

The MA-EK is used to extend the outdoor unit to 2 XYE ports which can connect to 2 centralized controllers or gateways.

FEATURES

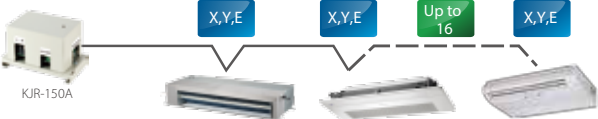
Model	 MA-EK
Max. number of refrigerant systems	8
Wiring flexibility	
Dimensions (HxWxD)(mm)	128X225X28
Power supply	12V DC
Outdoor unit series	all series

INDOOR UNIT GROUP CONTROLLER

SIMPLE DESIGN

The KJR-150A is an indoor group controller designed specically for 1st generation AC/DC indoor units. It can connect up to 16 indoor units through indoor unit XYE ports. With a display panel connected to KJR-150A, signals from a wired controller and remote controler can control a group of indoor units simultaneously. All indoor units will run at the same setting parameters. Indoor units can also be separately controlled by a remote controller.

FEATURES

Model	 KJR-150A
Max. number of outdoor unit	1
Wiring flexibility	
Dimensions (HxWxD)(mm)	85X150X70
Power supply	198-242V (50/60Hz)
Indoor unit series	1 st generation AC/DC IDU

VRF DX AHU CONTROL BOX

HIGH EFFICIENCY

AHU Control Box facilitates raising the EER/COP of the complete AHU system.

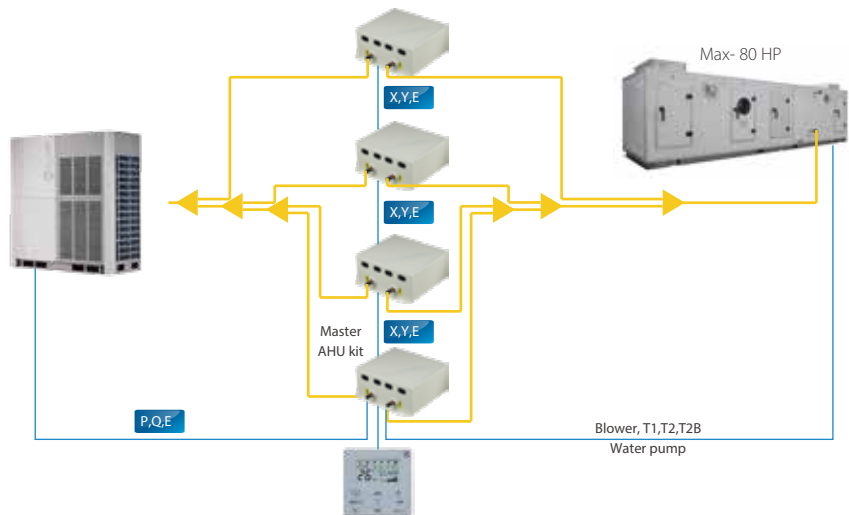


COMPATIBLE WITH VRF SYSTEMS

AHU Control Box are compatible with Clivet VRF outdoor units and can be used together with all types of Clivet VRF indoor units.



MULTI AHU CONTROL BOXES CONNECTION



SPECIFICATIONS

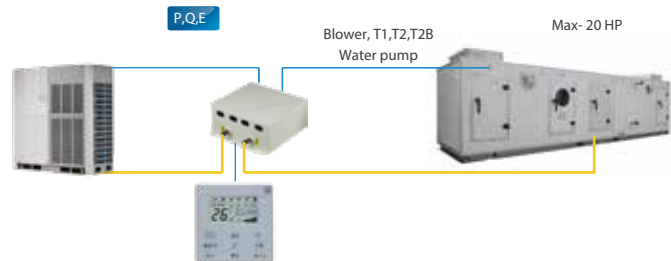
Model		AHUKZ-01B	AHUKZ-02B	AHUKZ-03B
Capacity	HP	3.2-6	8-12	14-20
Power supply		1 phase, 220-240V, 50Hz; 1 phase, 208-230V, 60Hz		
Refrigerant			R410A	
Pipe connections (inlet and outlet)	mm	Φ8	Φ12.7	Φ15.9
Net dimensions (WxHxD)	mm	350x150x375		
Packed dimensions (WxHxD)	mm	420x240x490		
Net weight	kg	8.4	8.7	8.9
Gross weight	kg	11.4	11.7	11.9
Operating modes		Cooling, heating and fan only		
Standard controller		Wired controller		
Optional controller		Wireless remote controller; SIEMENS controller		

WIDE CAPACITY RANGE

Four control boxes can be used in parallel, giving an overall capacity range of 3.2HP to 80HP.



SINGLE AHU CONTROL BOX CONNECTION



EXPERT DIAGNOSIS

Clivet 's VRF Diagnosis Software is specially designed to allow after-sales engineers, to understand the operating status of the system at a glance.



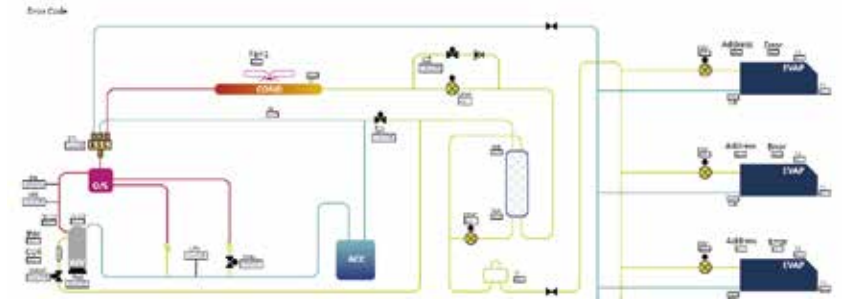
USE-FRIENDLY INTERFACE

A stylish and simple interface with rich graphical representations makes diagnosing system issues quick and convenient.

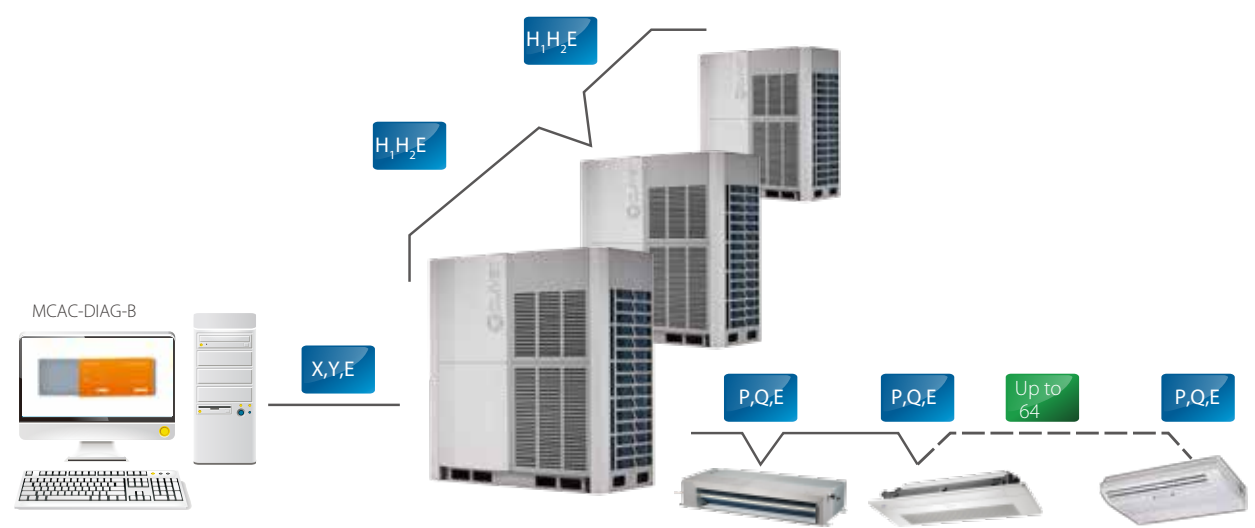


DIAGRAMS

A system schematic, refrigerant flow diagram and parameter chart can be generated to provide a graphical interpretation of the system status.



WIRING SCHEMATIC



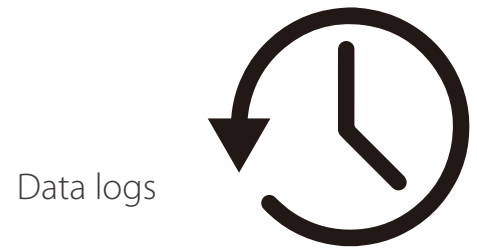
PARAMETER QUERYING

Access all the system parameters easily.



DATA LOGS

Data logs including operating records and error reports are saved by the software which is useful for discovering system issues.

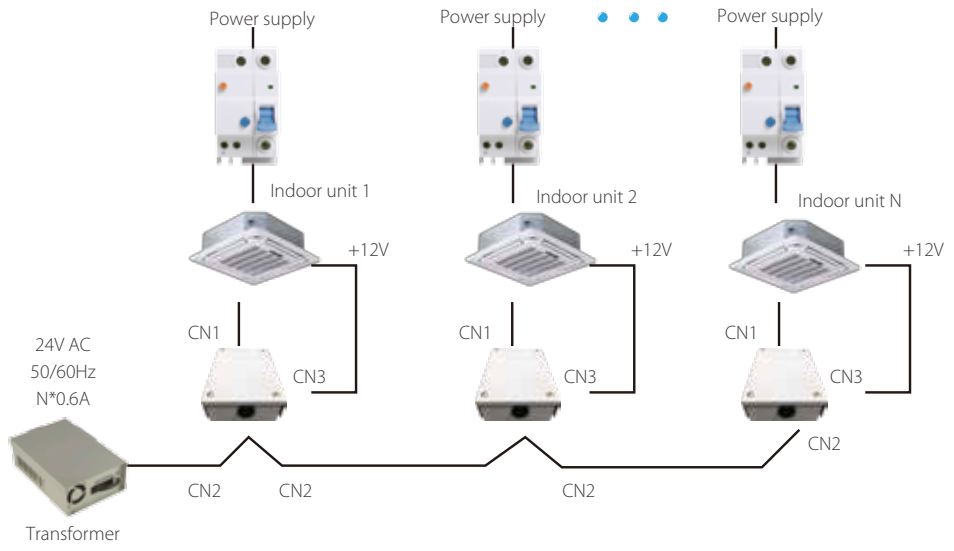


INDOOR UNIT ONLINE KIT

PREVENT UNNECESSARY SHUTDOWN

If the power supply for one indoor unit fails , the indoor unit will still remain online and the whole VRF system will not stop. The IDU online kit will keep the indoor unit online , thus keeping the other indoor units of the system working normally and prevent unnecessary shutdown.

FEATURES

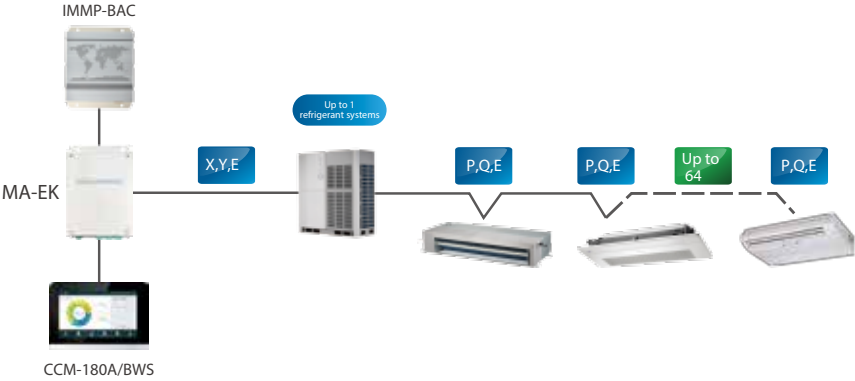
Model	 MCAC-PIDU
Network flexibility	
Dimensions (HxWxD)(mm)	146.6 x 100.6x 46.8
Power supply	24V AC
Indoor unit series	2 nd generation DC IDU

XYE EXTENSION KIT

SIMPLE DESIGN

The MA-EK is used to extend the outdoor unit to 2 XYE ports which can connect to 2 centralized controllers or gateways.

FEATURES

Model	 MA-EK
Max. number of refrigerant systems	8
Wiring flexibility	
Dimensions (HxWxD)(mm)	128X225X28
Power supply	12V DC
Outdoor unit series	all series

INDOOR UNIT GROUP CONTROLLER

SIMPLE DESIGN

The KJR-150A is an indoor group controller designed specically for 1st generation AC/DC indoor units. It can connect up to 16 indoor units through indoor unit XYE ports. With a display panel connected to KJR-150A, signals from a wired controller and remote controler can control a group of indoor units simultaneously. All indoor units will run at the same setting parameters. Indoor units can also be separately controlled by a remote controller.

FEATURES

Model	 KJR-150A
Max. number of outdoor unit	1
Wiring flexibility	
Dimensions (HxWxD)(mm)	85X150X70
Power supply	198-242V (50/60Hz)
Indoor unit series	1 st generation AC/DC IDU

VRF DX AHU CONTROL BOX

HIGH EFFICIENCY

AHU Control Box facilitates raising the EER/COP of the complete AHU system.

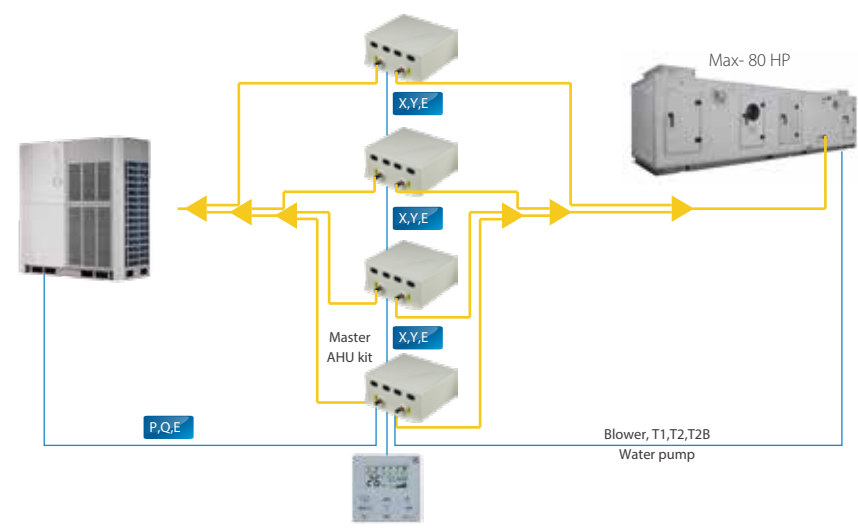


COMPATIBLE WITH VRF SYSTEMS

AHU Control Box are compatible with Clivet VRF outdoor units and can be used together with all types of Clivet VRF indoor units.



MULTI AHU CONTROL BOXES CONNECTION



SPECIFICATIONS

Model		AHUKZ-01B	AHUKZ-02B	AHUKZ-03B
Capacity	HP	3.2-6	8-12	14-20
Power supply		1 phase, 220-240V, 50Hz; 1 phase, 208-230V, 60Hz		
Refrigerant		R410A		
Pipe connections (inlet and outlet)	mm	Φ8	Φ12.7	Φ15.9
Net dimensions (WxHxD)	mm	350x150x375		
Packed dimensions (WxHxD)	mm	420x240x490		
Net weight	kg	8.4	8.7	8.9
Gross weight	kg	11.4	11.7	11.9
Operating modes		Cooling, heating and fan only		
Standard controller		Wired controller		
Optional controller		Wireless remote controller; SIEMENS controller		

WIDE CAPACITY RANGE

Four control boxes can be used in parallel, giving an overall capacity range of 3.2HP to 80HP.



SINGLE AHU CONTROL BOX CONNECTION

