



VRV IV i-series

Invisible Comfort



VRV IV heat pumps for indoor installation



Invisible Comfort

Daikin VRV IV i-series offers you the most aesthetic and integrated air conditioning solution ever. It provides the widest VRV solution for any inner-city location. It has no visual impact and is quiet, so it is easy to comply with building regulations. It also has unrivalled flexibility when it comes to installation.

Why choose Daikin VRV IV i-series?

You can install highly efficient, reliable Daikin air conditioning systems in the most demanding locations while remaining invisible from street level.

- ✓ Unique VRV indoor solution
- ✓ Seamless integration into surrounding architecture
- ✓ Total flexibility for any shop location and building type due to the unlimited possibilities of our solutions
- ✓ Premises can be opened sooner as building permits are easier and faster to obtain
- ✓ The 'outdoor' air conditioning unit can now be fitted indoors, where previously this was not an option
- ✓ Easy to comply with planning regulations, the best solution for urban locations such as banks, shops or almost any other application you can think of

Daikin VRV efficiency, comfort and control

- ✓ Highest seasonal efficiency rating in their class (ESEER), reducing energy, costs and CO₂ emissions
- ✓ Unique Variable Refrigerant Temperature eliminates cold draughts and continuously adjusts unit operation to the actual conditions, maximising seasonal efficiency
- ✓ Centralised, easy to use controls ensure optimum operation, maximising efficiency and comfort

Quiet

- ✓ Highly suited to densely populated areas such as city centres thanks to their low operating sound
- ✓ Dedicated modes reduce sound further to comply with inner-city noise regulations

Flexible installation

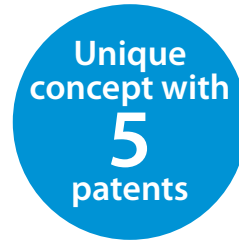
- ✓ Unrivalled flexibility because the unit is split into two elements: the heat exchanger and the compressor
- ✓ Lightweight units reduce installation time and effort
- ✓ Compact dimensions maximise useable floorspace
- ✓ Invisible VRV flexibility

Leading after-sales support

- ✓ Support wherever you need it from the widest network of highly trained professionals
- ✓ Professional selection tools and excellent expert support reduce installation time, ensuring optimum operation and lower running costs

VRV IV i-series

The city secret



The VRV IV i-series is a truly unique solution for installations where you want a completely invisible solution. The system is installed entirely indoors and only the grilles are visible.

Dedicated range for indoor installation

Invisible

- › Suitable for a wider range of properties because outdoor installation is not a factor
- › You can open for business sooner because getting building permits is simplified
- › No need for a rooftop or back alley installation
- › Quicker and more cost-effective installation

Intuitive

- › Split unit for unrivalled flexibility
- › Easy and quick for just two people to transport and install
- › Easy servicing, all components can be easily reached

Intelligent

- › Variable Refrigerant Temperature for best seasonal efficiency & comfort
- › Patented V-shape heat exchanger for the most compact unit (400 mm high) ever
- › Centrifugal fan for the highest efficiency in the market
- › Inverter fan can be easily adjusted to the length of ductwork

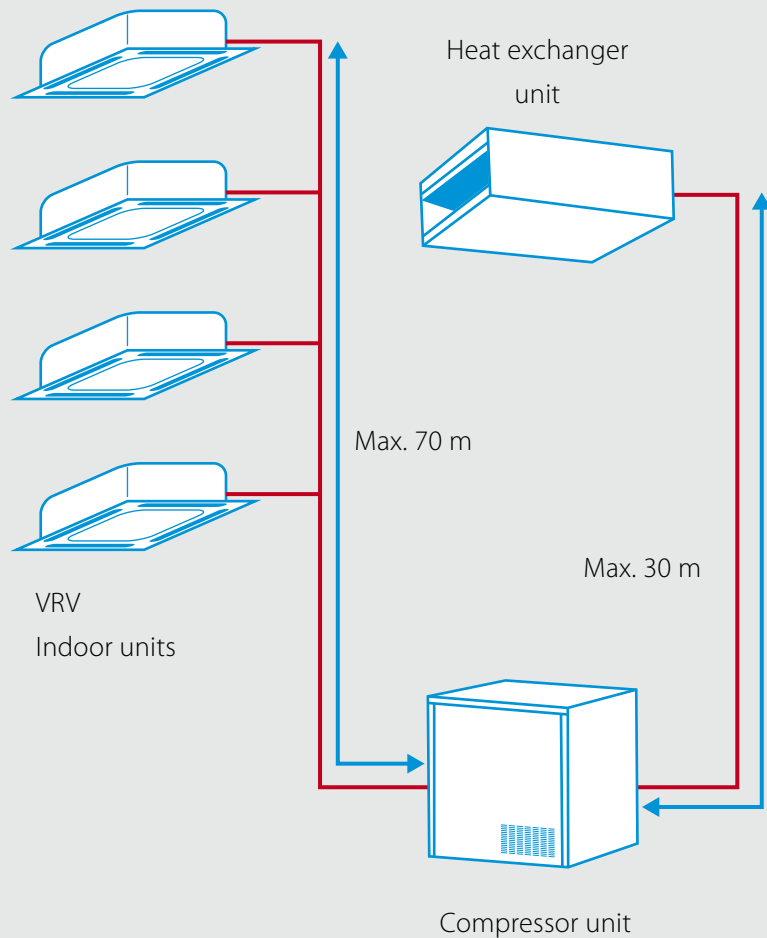




You can use the decorative elements on a building's façade, such as pediments or logos, to hide the grilles, making the installation completely invisible

from street level. Or you can incorporate the grilles into the building design so that they are a part of the building's appearance.





Unique split unit for indoor installation

Compact and easy to hide, the compressor can be installed at floor level, in a back office, storage room, technical area or in a kitchen, while the heat exchanger can be installed in a false ceiling space. This means that the air conditioning system is completely invisible and does not take up expensive commercial floor space.

Flexible and easy to install

- › Unrivalled flexibility thanks to the fact that the unit usually situated outdoors is split into two parts
- › Shorter pipe runs between the indoor units reduces installation costs
- › Lightweight parts can be installed by two people
- › Installation can be carried out on the façade or at the rear of the building as the inverter fan allows ESP to be adjusted to the length of ductwork
- › Rotating switchbox for easy access to all compressor parts

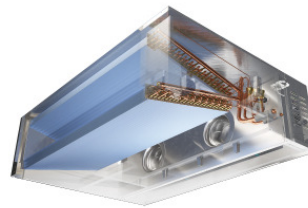


rotating switchbox

Unique technologies

V-shape heat exchanger

- › Revolutionary new design within the VRF market
- › VRV IV i-series deliver top efficiency, yet the unit is only 400 mm high
- › Optimised shape for higher air flow and static pressure, resulting in much higher efficiencies when compared to standard outdoor units which are installed indoors



V-shaped heat exchanger

Centrifugal fans

- › Super efficient centrifugal fans (85% more efficient than equivalent sirocco fan)
- › Patented backward-curved blade technology



centrifugal fan

Compact compressor unit

- › Small footprint maximizing useable floor space
- › Can easily be mounted in a storage room or back office
- › Rotating switchbox for easy maintenance





A true VRV IV

Total solution

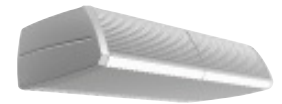
- ✓ Widest range of indoor units to fit your needs (cassette, concealed ceiling, wall mounted, ceiling suspended and floor standing)
- ✓ Connect up to 17 indoor units to one outdoor unit
- ✓ Dedicated control solutions for shops, banks and other applications
- ✓ Provides a total solution when combined with ventilation units and Biddle air curtains



Fully flat cassette



Intelligent Touch Manager



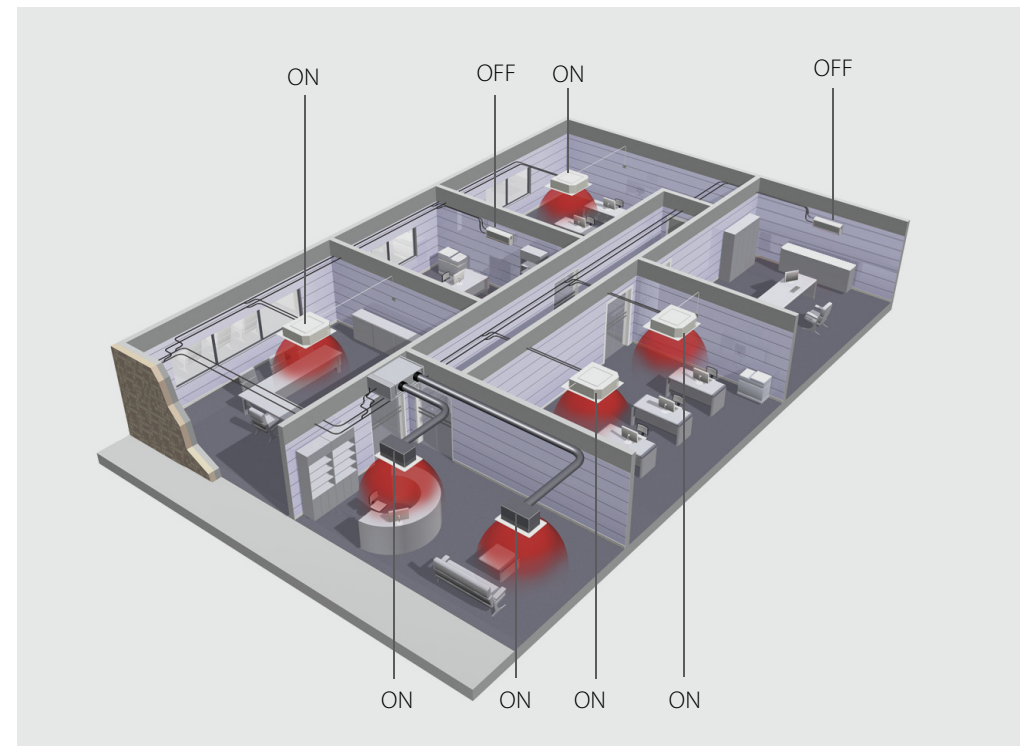
Biddle air curtain



Air handling unit
ventilation

Individual control on site or remotely

- ✓ Control individual areas of your property for maximum efficiency
- ✓ Zone by zone installation tailored to the needs of the building
- ✓ Unique Variable Refrigerant Temperature for maximum customised comfort and intelligent control tailored to your individual needs
- ✓ Multiple sites can be configured and controlled consistently from a central location
- ✓ **i-Net** Intelligent energy visualization tool that helps you with your energy management



A cost effective solution

Even when it is possible to install an outdoor unit, there are reasons that an indoor installation offers a better solution, such as in areas where there is a mixture of commercial and residential use. The units are invisible and because they are installed indoors, there is no need for costly sound insulation. There is also no need to use a crane for installation as the unit comes in two parts. That is why the VRV IV i-series are easier and less costly to install.





Concealed ceiling unit FXSQ-A: Slimmest yet most powerful medium static pressure unit on the market!



Round flow cassette FXFQ-A:
360° air discharge for optimum efficiency and comfort





HAIRDRESSER

Fully flat cassette FXZQ-A:
Unique design that integrates fully flat into the ceiling

Concealed floor standing unit FXNQ-A:
Fully integrated in the wall



OFFICE



SHOP

Ceiling suspended unit FXHQ-A:
For wide rooms with no false ceiling nor free floor space

Specifications

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Outdoor system		SB.RKXYQ	5T	8T
Capacity range		HP	5	8
Cooling capacity (nom)	Nom.	kW	14.0	21.4
Heating capacity (nom) / Heating capacity (max)			14.0/16.0	21.4 / 25.0
EER (nom)			3.2	2.8
COP (nom/max)			3.80/3.40	3.60/3.29
Maximum number of connectable indoor units			10	17
Indoor index connection	Min. / Nom. / Max.		62.5 / 125 / 162.5	100 / 200 / 260
Operation range - outdoor air temperature	cooling	Min.~Max. °CDB	-5.0 ~ 46.0	
	Heating	Min.~Max. °CWB	-20.0 ~ 15.5	
	Temperature around casing		5.0 ~ 35.0	
Refrigerant	Type / GWP	kg / TCO2	R-410A / 2087.5	
	Liquid	OD inch (mm)	1/2 (12.7)	1/2 (12.7)
	Gas	OD inch (mm)	3/4 (19.1)	7/8 (22.2)
	Maximum length	m	30	30
	Max height difference - CM below HM	m	10	10
	Max height difference - CM above HM	m	10	10
Piping connections between compressor module (CM) and heat exchanger module (HM)	Liquid		3/8 (9.5)	3/8 (9.5)
	Gas		5/8 (15.9)	3/4 (19.1)
	Max total piping length (incl. piping to HM)		140	300
	Max length to last IU		70 (90 equivalent)	
	Max height difference - CM below IU		30	30
	Max height difference - CM above IU		30	30
	Max height difference - IU - IU		15	15
Heat exchanger module		RDXYQ	5T	8T
Dimensions	Height x Width x Depth	mm	397 x 1456 x 1044	397 x 1456 x 1044
Weight		kg	97	103
Ducting	Suction size	mm	1200 x 300	
	Discharge size	mm	1200 x 300	
	Max ESP	Pa	60 / 150	
	Nom. air flow	m ³ /sec	0.917	1.667
Sound pressure level (Cooling)	Nom / Low sound	dBa	47	55 / 48
Sound Power level (Cooling)	Nom	dBa	76	81
Drain pipe	OD	mm	32 (VP25)	32 (VP25)
Power supply	Phase / Frequence / Voltage		1~ / 50 Hz / 220-	1~ / 50 Hz / 220-240V
Current 50 Hz	Maximum Fuse Amps (MFA)		10	10
Compressor module		RKXYQ	5T	8T
Dimensions	Height x Width x Depth	mm	701 x 600 x 554	701 x 760 x 554
Weight		kg	77	105
Refrigerant charge		kg	2.0	4.0
Sound pressure level		dBa	47	48
Power supply	Phase / Frequence / Voltage		60	64
Power supply	Phase / Frequence / Voltage		3~ / 50 Hz / 380-	3~ / 50 Hz / 380-
Current 50 Hz	Maximum Fuse Amps (MFA)		16	20
	Nominal running current (RLA)		5.8	8.6