VRV IV i-series

Invisible comfort

SB.RKXYQ-T

VRV IV i-series

The Daikin i-Series VRV system is designed to allow VRV installations with no external plant.

This air conditioning solution is unique in the market and makes complying with planning easier in areas where condensers are subject to sound or "line of sight" restrictions.

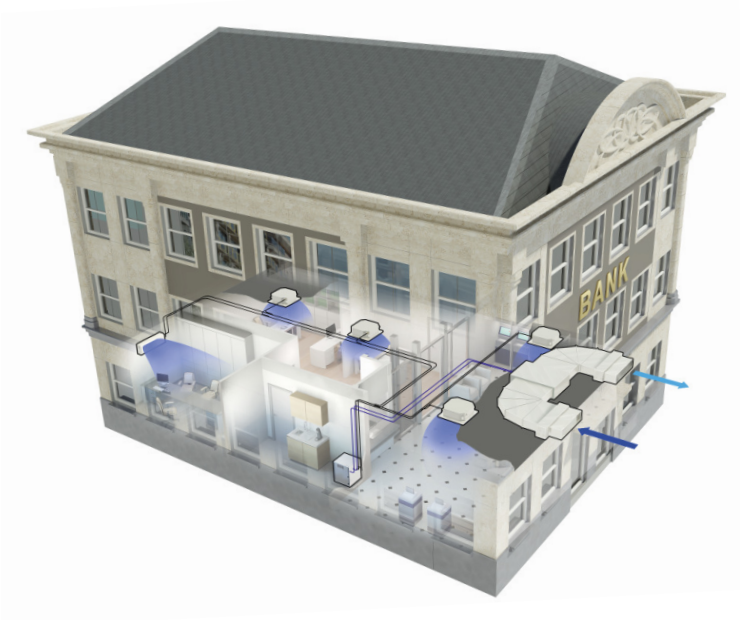
Unique split unit for indoor installation

The condenser is split into two sections, a compressor module and a separate heat exchanger & fan unit.

The compressor module can be easily installed indoors with its small 600 x 554mm footprint and low 47 dBA sound level and the heat exchanger can be installed above the ceiling and ducted to the outside air to bring all of the Daikin air cooled VRV IV benefits including Variable Refrigerant temperature control to buildings where it may not have been possible before.

Features and benefits:

> 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 of 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

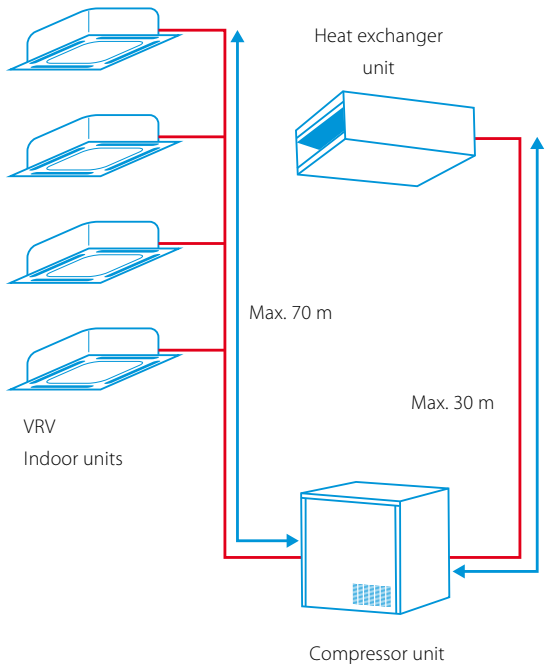


SB.RKXYQ-T

Outdoor system				SB.RKXYQ	5T
Capacity range				HP	5
Cooling capacity / Heating capacity		Nom.		kW	14 / 14
EER / COP					3.2 / 3.8
Maximum number of connectable indoor units					10
Indoor index connection	Min. / Nom. / Max.				62.5 / 125 / 162.5
Operation range - outdoor air temperature	cooling	Min.~Max.		°CDB	-5 ~ 46
	Heating	Min.~Max.		°CWB	-20 ~ 15.5
Refrigerant	Type / GWP			kg / TCO2	R-410A / 2,087.5
Piping connections between compressor module (CM) and heat exchanger module (HM)	Liquid	OD		inch (mm)	1/2 (12.7)
	Gas	OD		inch (mm)	3/4 (19.1)
	Maximum length			m	30
	Max height difference - CM below HM			m	10
	Max height difference - CM above HM			m	10
Piping connections between compressor module (CM) and indoor units (IU)	Liquid	OD		inch (mm)	3/8 (9.5)
	Gas	OD		inch (mm)	5/8 (15.9)
	Max total piping length (incl. piping to HM)			m	10-140*
	Max length to last IU			m	70 (90 equivalent)
	Max height difference - CM below IU			m	30
	Max height difference - CM above IU			m	30
	Max height difference - IU - IU			m	15
Heat exchanger module				**RDXYQ**	**5T**
Dimensions	Height x Width x Depth			mm	397 x 1456 x 1044
Weight				kg	97
Ambient installation temperatures	Min~Max			°CDB	5 ~ 35
Ducting	Suction size			mm	1200 x 300
	Discharge size			mm	1200 x 300
	Max ESP			Pa	150
	Nom. air flow			m^3/sec	0.917
Sound pressure level				dBa	47
Drain pipe	OD			mm	32
Power supply	Phase / Frequence / Voltage				1~ / 50 Hz / 220-240V
Compressor module				**RKXYQ**	**5T**
Dimensions	Height x Width x Depth			mm	701 x 600 x 554
Weight				kg	77
Refrigerant charge				kg	2,0
Ambient installation conditions	Min~Max			°CDB	5 ~ 35
Sound pressure level				dBa	47
Power supply	Phase / Frequence / Voltage				3~ / 50 Hz / 380-415V

Installation example

30m of pipework can be used between the compressor module (CM) and Heat exchanger (HM)



Total Piping length possibilities

(a) = HM <> CM	(b) = CM <> IU	(c) = (a) + (b)
5	135	140
10	125	135
15	115	130
20	105	125
25	95	120
30	85	115

DAIKIN UK RECYCLING END OF LIFE AIR CON UNITS

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