

Replacement technology

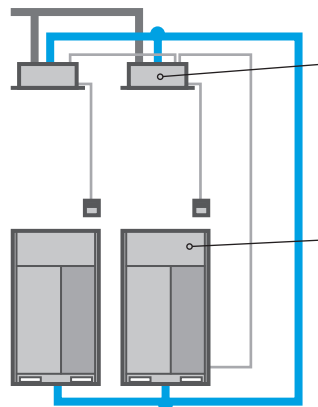
The quick and quality way of upgrading R-22 and R-407C systems



The phase-out period for R-22 is over. Act now!

R-22 ban in Europe

Service and maintenance with R-22 will be prohibited after January 1st, 2015, meaning repairs will be impossible to R-22 systems. Avoid unexpected downtime for your customers and replace these systems now!



The Daikin low-cost upgrade solution

- ! **Replace indoor units and BS boxes**
Contact your local dealer to check compatibility in case you need to keep the indoor units.
- ! **Replace outdoor units**

These benefits will convince your customer

Always operational

Avoid loss of business

Replacing now prevents unplanned, lengthy downtime of air conditioning systems. It also avoids loss of business for shops, complaints from guests in hotels, lower working efficiency and loss of tenants in offices.

Quick and easy installation

No interruption of daily business while replacing the system thanks to phased-in, fast installation.

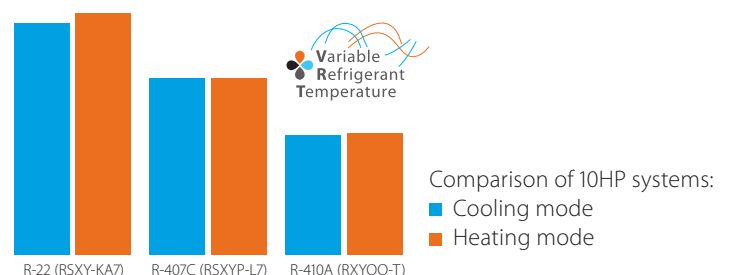
Smaller footprint, more performance

Thanks to a smaller footprint, Daikin outdoor units save space. Also, more indoor units can be connected to the new outdoor unit compared to the old system, allowing to increase capacity.

Lower long-term costs

EU Directives prohibit system repairs with R-22 after January 1st, 2015. Delaying the required R-22 replacement until an unplanned system breakdown is a losing game. Replacement day will come. Installing a technically advanced system lowers energy consumption and maintenance costs from day one.

Up to 48% less consumption





VRV-Q benefits to increase your profit

Optimise your business

Less installation time

Tackle more projects in less time thanks to faster installation. It is more profitable than replacing the full system with new piping.

Lower installation costs

Reducing installation costs enables you to offer customers the most cost-effective solution and improve your competitive edge.

Replace non-Daikin systems

It is a trouble-free replacement solution for Daikin systems and for systems made by other manufacturers.

Easy as one-two-three

A simple solution for replacement technology enables you to handle more projects for more customers in less time and offer them the best price! Everybody gains.

Automatic refrigerant charge

The unique automatic refrigerant charge eliminates the need to calculate refrigerant volume and ensures that the system will operate perfectly. Not knowing the exact piping lengths because of changes or mistakes in case you didn't do the original installation or replacing a competitor installation no longer poses a problem.

Automatic pipe cleaning

There is no need to clean inside piping as this is handled automatically by the VRV-Q unit. Finally the test operation is performed automatically to save time.

Compare installation steps

Conventional solution

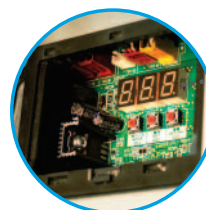
- 1 Recover refrigerant
- 2 Remove units
- 3 Remove refrigerant pipes
- 4 Install new piping and wiring
- 5 Install new units
- 6 Leak test
- 7 Vacuum drying
- 8 Refrigerant charging
- 9 Collect contamination
- 10 Test operation

VRV-Q

- 1 Recover refrigerant
 - 2 Remove units
- Re-use existing piping and wiring
- 3 Install new units
 - 4 Leak test
 - 5 Vacuum drying
 - 6 Automatic refrigerant charging, cleaning and testing



**Up to 45% shorter
installation time**



One touch convenience:

- > Measure and charge refrigerant
- > Automatic pipe cleaning
- > Test operation





Replacement VRV

Quick & quality replacement ftsys C704-R dna 22-R roems

- › Cost-effective and fast replacement through re-use of existing piping
- › Up to 08 % mortsys 22-R naht tneicffie eems
- › No interruption of daily business while replacing your system
- › Replace Daikin and other manufacturers systems safely
- › Automatic cleaning of refrigerant pipe work ensures a quality replacement
- › Possibility to increase capacity
- › Limited and phased investment cost
- › Incorporates VRV IV standards & technologies: Variable Refrigerant

Temperature, VRV configurator, 7 segment display and full inverter compressors, 4-side heat exchanger, refrigerant cooled PCB, new DC fan motor (see page 203) (for RXYQQ-T only)

- › Contains all standard VRV features (see page 206)



RQCEQ712-848P

Outdoor system				RQCEQ									
				280P	360P	460P	500P	540P	636P	712P	744P	816P	848P
System	Outdoor unit module 1			RQEQ140P	RQEQ180P	RQEQ140P		RQEQ180P	RQEQ212P	RQEQ140P		RQEQ180P	RQEQ212P
	Outdoor unit module 2			RQEQ140P	RQEQ180P	RQEQ140P	RQEQ180P		RQEQ212P	RQEQ180P		RQEQ212P	
	Outdoor unit module 3			-			RQEQ180P		RQEQ212P	RQEQ180P	RQEQ212P		
	Outdoor unit module 4			-			RQEQ212P			RQEQ212P			
Capacity range		HP	10	13	16	18	20	22	24	26	28	30	
Cooling capacity	Nom.	kW	28.0	36.0	45.0	50.0	54.0	63.6	71.2	74.4	81.6	84.8	
Heating capacity	Nom.	kW	32.0	40.0	52.0	56.0	60.0	67.2	78.4	80.8	87.2	89.6	
Power input - 50Hz	Cooling	Nom.	kW	7.04	10.3	12.2	13.9	15.5	21.9	21.2	23.3	27.1	29.2
	Heating	Nom.	kW	8.00	10.7	13.4	14.7	16.1	17.7	20.7	21.2	23.1	23.6
EER			3.98	3.48	3.77	3.61	3.48	2.90	3.36	3.19	3.01	2.90	
COP			4.00	3.72	3.89	3.80	3.72	3.79	3.80	3.81	3.77	3.79	
Maximum number of connectable indoor units			21	28	34	39	43	47	52	56	60	64	
Indoor index connection	Min.		140	180	230	250	270	318	356	372	408	424	
	Nom.		280	360	500		540	636	712	744	816	848	
	Max.		364	468	598	650	702	827	926	967.0	1,061	1,102	
Sound pressure level	Cooling	Nom.	dBA	57	61		62	63	64	63	64	65	66
Piping connections	Liquid	OD	mm	9.52	12.7		15.9			19.1			
	Gas	OD	mm	22.2	25.4	28.6			34.9				
	Discharge gas	OD	mm	19.1		22.2			25.4		28.6		
	Total piping length	System Actual	m	300									
Current - 50Hz	Maximum fuse amps (MFA)			A	30	40	50	60	70	80	90		

Outdoor unit module				RQEQ					
				140P		180P		212P	
Dimensions	Unit	HeightxWidthxDepth		mm					
		1,680x635x765							
Weight	Unit	kg							
		175		110		179			
Fan	Air flow rate	Cooling	Nom.	m ³ /min					
		95		110					
Sound power level	Cooling	Nom.		dBA					
		-							
Sound pressure level	Cooling	Nom.		dBA					
		54		58		60			
Operation range	Cooling	Min.~Max.		°CDB					
		-5~43							
Refrigerant	Heating	Min.~Max.		°CWB					
		-20~15.5							
Type / GWP	Type / GWP		R-410A / 2,087.5						
	Charge	kg		10.3		10.6		11.2	
	Charge	TCO ₂ Eq		21.5		22.1		23.4	
Power supply	Phase/Frequency/Voltage		Hz/V						
		3~/50/380-415							
Current - 50Hz	Maximum fuse amps (MFA)			A	15	20		22.5	