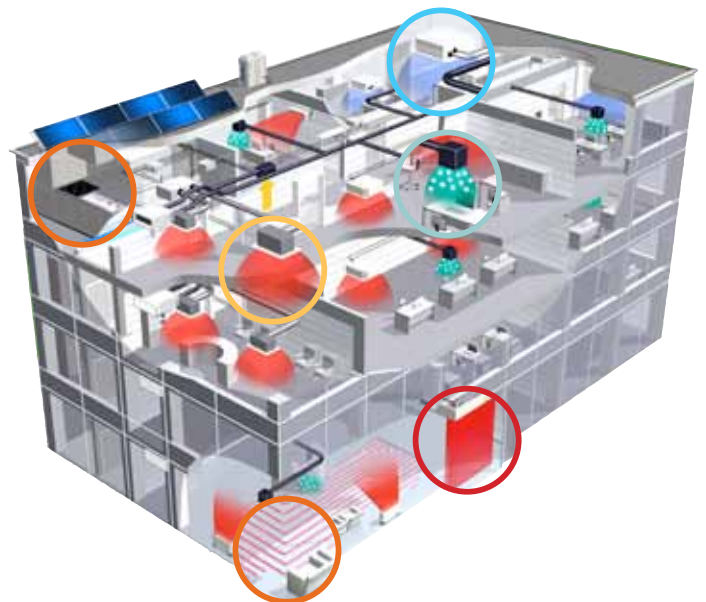
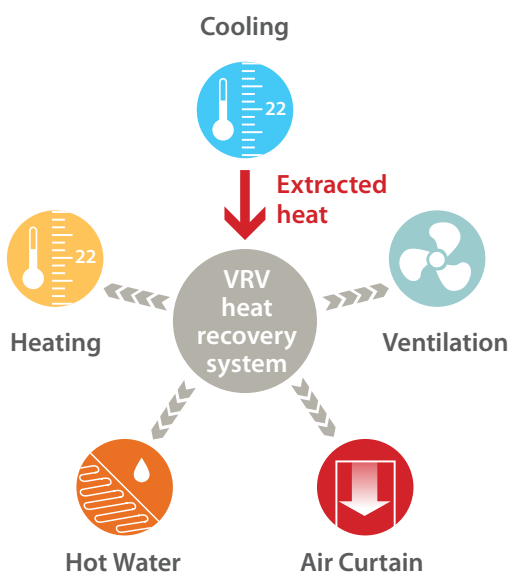




VRV heat recovery, for connection to heating only hydrobox

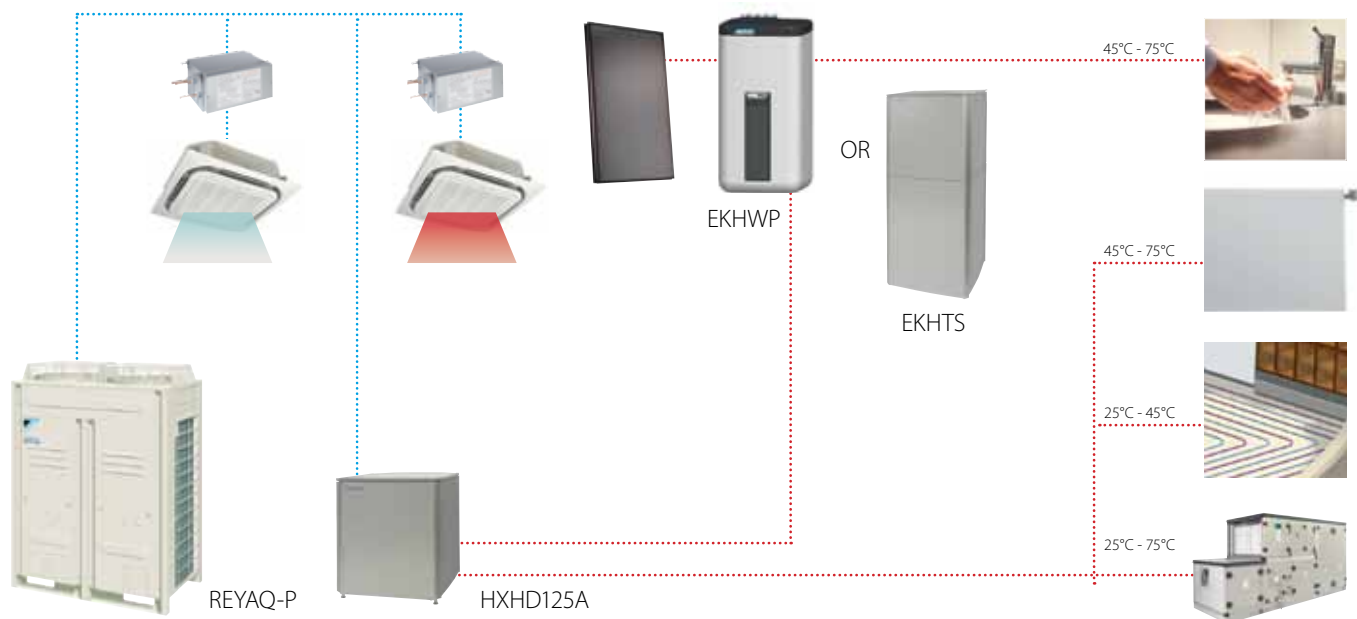


Daikin has been the market leader in variable refrigerant flow systems for the last twenty-five years and benefits from a large experience in energy efficient hot water systems based on heat pump technology.

The Daikin VRV total solution provides a single point of contact for the design and maintenance of your integrated climate control system. Our heat recovery approach is a year-round solution: even when the outside temperature is 0°C or below, our total solution will still be cooling interior spaces in which people or equipment are generating heat. This heat will be recovered to produce hot water or to heat spaces that are below optimal temperature. Our wide product portfolio enables you to select the right mix of equipment and technology to ensure that you achieve the optimal balance of temperature, humidity and air freshness for the perfect comfort zone with maximum energy efficiency and cost effectiveness.

A HIGHLY EFFICIENT AND FLEXIBLE SOLUTION

All components integrated



SPECIFICATIONS

OUTDOOR UNIT				REYAQ10P	REYAQ12P	REYAQ14P	REYAQ16P
Capacity range			HP	10	12	14	16
Cooling capacity	Nom.		kW	28 ¹	33.5 ¹	40 ¹	45 ¹
Heating capacity	Nom.		kW	31.5 ²	37.5 ²	45 ²	50 ²
Power input - 50Hz	Cooling	Nom.	kW	7.09 ¹	8.72 ¹	11.4 ¹	14.1 ¹
	Heating	Nom.	kW	7.38 ²	8.84 ²	11.0 ²	12.8 ²
EER				3.95	3.84	3.51	3.19
COP				4.27	4.24	4.09	3.91
Maximum number of connectable indoor units				21	26	30	34
Indoor index connection	Min.			125	150	175	200
	Nom.			250	300	350	400
	Max.			325	390	455	520
Dimensions	Unit	HeightxWidthxDepth	mm	1,680x1,300x765			
Weight	Unit		kg	331		339	
Heat exchanger	Type			Cross fin coil			
Fan	Type			Propeller fan			
	Air flow rate	Cooling	Nom.	m ³ /min	-		
	External static pressure	Max.		Pa	78		
Sound power level	Cooling	Nom.	dBA	78	80	83	84
Sound pressure level	Cooling	Nom.	dBA	58	60	62	63
Compressor	Type			Hermetically sealed scroll compressor			
Compressor 2	Type			Hermetically sealed scroll compressor			
Operation range	Cooling	Min.~Max.		°CDB	-5~43		
	Heating	Min.~Max.		°CWB	-20~15.5		
	Hot water production	Space heating	Min.~Max.	°CDB	-20~20 / 24 ³	-20~20 / 24 ³	-20~20 / 24 ³
		Domestic hot water	Min.~Max.	°CDB	-20~43		
Refrigerant	Type			R-410A			
	Charge		kg	10.6	10.8	11.1	
	Control			Expansion valve (electronic type)			
Refrigerant oil	Type			Daphne FVC68D			
Piping connections	Liquid	Type		Brazed connection			
		OD	mm	9.52	12.7		
	Gas	Type		Brazed connection			
		OD	mm	22.2	28.6		
	Discharge gas	Type		Brazed connection			
		OD		mm	19.1	22.2	
	Piping length	OU - IU	Max.	m	100		
		After branch	Max.	m	40		
	Total piping length	System	Actual	m	300		
	Level difference	OU - IU	Outdoor unit in highest position/ Indoor unit in highest position	m	40/40		
		IU - IU	Max.	15			
	Additional refrigerant charge		kg/m	See installation manual			
	High pressure side	Design pressure	bar	40			
Power supply	Phase/Frequency/Voltage			Hz/V			
Current - 50Hz	Maximum fuse amps (MFA)			A	3~/50/380-415		40

(1) Cooling: indoor temp. 27°CDB, 19°CWB; outdoor temp. 35°CDB; 100% connection ratio (DX indoor units); For combination with HXHD125, cf. capacity table (2) Heating: indoor temp. 20°CDB; outdoor temp. 7°CDB, 6°CWB; 100% connection ratio (DX indoor units); For combination with HXHD125, cf. capacity table (3) In case of connection with a 20~50 type indoor unit, match to the size of the field pipe using the attached pipe. Connection between the attached pipe and the field pipe must be brazed.