



Hot water generation VRV IV heat recovery systems

HXHD-A, HXY-A

Ideal for applications such as bathrooms, toilet wash basins, under floor heating, radiators and air handling units

Producing hot water from a heat recovery VRV system is one of the most energy efficient means of providing hot water within a building. We can provide high and low temperature hot water for bathrooms, toilet wash basins, underfloor heating, radiators and even provide heated water for air handling unit applications.

Using waste heat to provide hot water means you can provide an additional service to your building from the heat recovery VRV system at very low cost

Features and benefits:

For both low temperature and high temperature

- > Uses heat pump technology to produce hot water efficiently, providing up to 17% savings compared to a gas boiler
- > Saves time on system design as all water-side components are fully integrated with direct control over leaving water temperature
- > Requires no gas connection or oil tank

For low temperature

- > Highly efficient space heating/cooling
- > Leaving water temperature range from 5°C to 45°C without electric heater
- > Super wide operating range for cold/hot water production from -20 to +43°C ambient outdoor temperature
- > Saves space with contemporary wall hung design

For high temperature

- > Possibility to connect thermal solar collectors to the domestic hot water tank
- > Leaving water temperature range from 25 to 80°C without electric heater
- > Various control possibilities with weather dependant set point or thermostat control



HXY-A (Low temperature hydrobox)



HXHD-A (High temperature hydrobox)

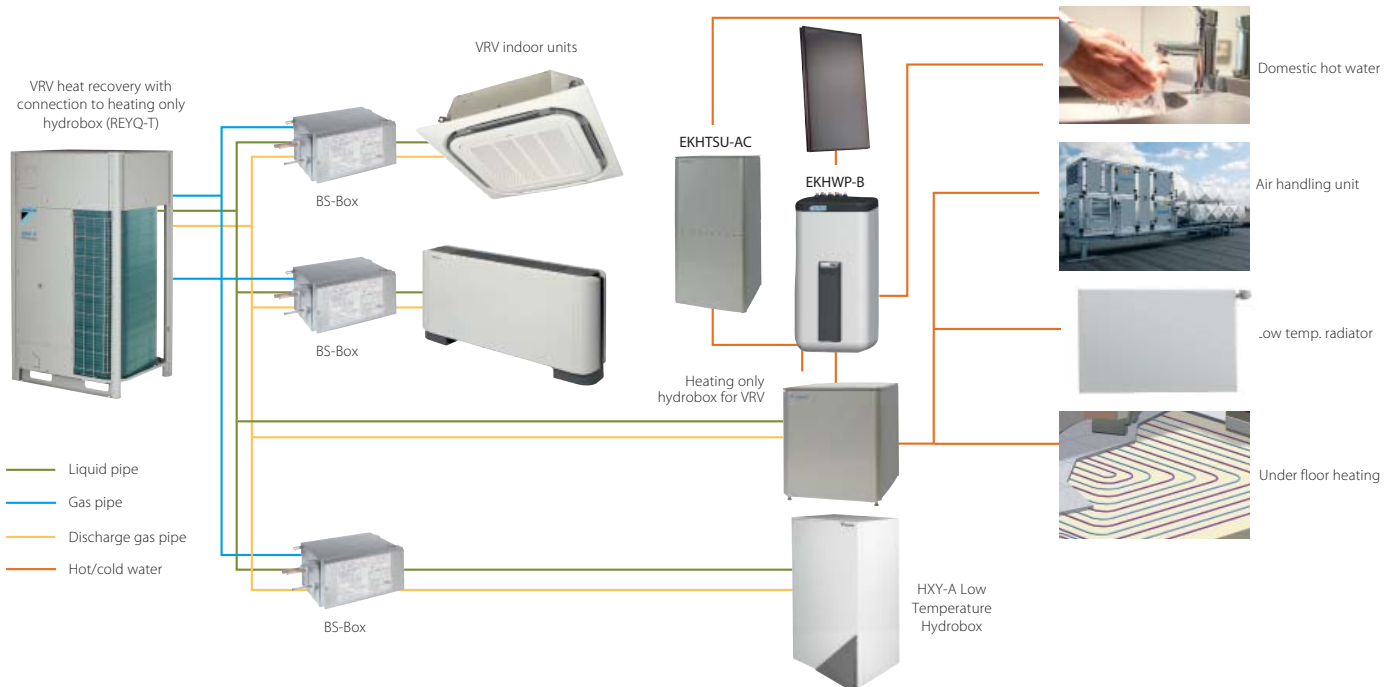
HXHD-A, HXY-A

Indoor unit				HXHD125A	HXY080A	HXY125A
				High Temperature	Low Temperature	
Cooling Capacity	Nom.	kW		-	8	12.5
Heating capacity	Nom.	kW		14.0	9	14
Casing	Colour			Metallic grey	White	
	Material				Precoated sheet metal	
Dimensions	Unit	H xW xD		705x600x695	890x480x344	
Weight	Unit	kg		92	44	
Sound pressure level	Nom.	dBA		42 (1) / 43 (2)	-	
	Night quiet mode	Level 1		38 (1)	-	
Operation range	Heating	Ambient	Min.~Max.	°C	-20~20 / 24 (3)	-20~24
		Water side	Min.~Max.	°C	25~80	25~45
	Domestic hot water	Ambient	Min.~Max.	°CDB	-20~43	
		Water side	Min.~Max.	°C	45~75	
Refrigerant	Type			R-134a	R-410A	
Refrigerant circuit	Gas side diameter	mm		12.7	15.9	
	Liquid side diameter	mm		9.52	9.5	
Water circuit	Piping connections diameter	inch		G 1" (female)	G 1" 1/4(female)	
	Heating water system	Water volume	Min.~Max.	l	20~200	-
Power supply	Phase/Frequency/Voltage			1~/50/220-240	1~/50/220-240	
Current	Recommended fuses	A		20	6~16	

(1) Sound levels are measured at: EW 55°C; LW 65°C (2) Sound levels are measured at: EW 70°C; LW 80°C (3) Field setting

Options & accessories

	HXY080-125A	HXHD125A
Drain pan	EKHBDFPCA2	-
Digital I/O PCB	EKR1HBAA	-
Demand PCB - Required to connect room thermostat	EKR1AHTA	-
Remote user interface (remocon) - Same controller as supplied with cascade unit an be mounted parallel or on other location. If 2 controllers are installed, the installer needs to select 1 master & 1 slave	EKRUAHTB	-
Back-up heater	EKBUHAA6(W1/V3)	-
Wired room thermostat - Requires demand PCB EKR1AHTA	EKR1WA	-
Wireless room thermostat - Requires demand PCB EKR1AHTA	EKR1RT1	-
Remote sensor for room thermostat - Requires demand PCB EKR1AHTA	EKR1TETS	-
Domestic hot water tank - standard (stacked on top of hydrobox)	-	EKHTS200AC EKHTS260AC
Domestic hot water tank - with possibility for solar connection	-	EKHWP500B
Solar collector *1	-	EKSV26P (vertical) EKSH26P (horizontal)
Pump station	-	EKSRRPS



The present leaflet is drawn up by way of information only and does not constitute an offer binding upon Daikin UK. Daikin UK has compiled the content of this leaflet to the best of its knowledge. No express or implied warranty is given for the completeness, accuracy, reliability or fitness for particular purpose of its content and the products and services presented therein. Specifications are subject to change without prior notice. Daikin UK explicitly rejects any liability for any direct or indirect damage, in the broadest sense, arising from or related to the use and/or interpretation of this leaflet. All content is copyrighted by Daikin UK.

