



High-Efficiency All-Electric Heat Pump Hot and Chilled Water Solutions

Daikin's LT hydrobox (HXY48TAVJU) offers an all-electric means of refrigerant to water heat exchange providing an efficient method for hot and cold-water generation for many hydronic solutions including high-efficiency space heating and cooling. The LT hydrobox combines with Daikin's VRV systems for expanded indoor unit flexibility with hydronic integration. Delivering water from 50°F – 113°F without the need for a backup electric heater, for use in underfloor heating and cooling, air handling units, and low-temperature radiators, making it an ideal choice in both new construction and renovation applications.

The stylish and compact wall hung unit with front access and minimal clearance requirements make it ideal for installation in tight spaces and ease of maintenance.

Features and Benefits

- » Direct control over the leaving water temperature for a wide leaving water temperature range down to 50°F in cooling and up to 113°F in heating.
- » Eliminates the need for gas connection or oil tanks to generate hot or cold water
- » Space-saving contemporary wall hung design
- » Seamless integration with VRV IV X Heat Pump systems¹

¹ Refer to the engineering manuals for detailed design conditions.

Applications:



OFFICE



HOTELS



RETAIL



SCHOOLS



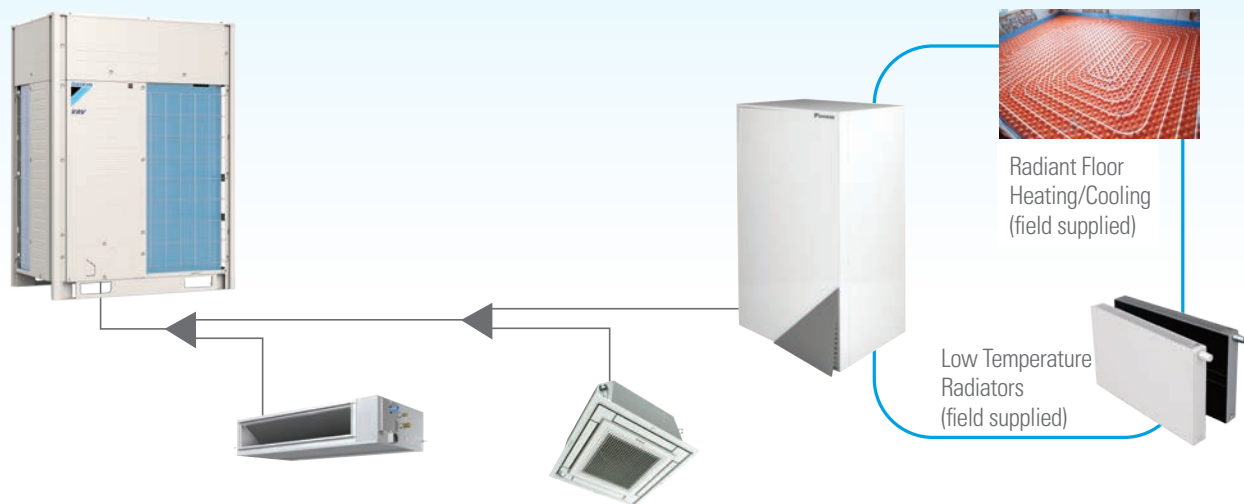
MULTI-FAMILY



* Complete warranty details available from your local distributor, manufacturer's representative, www.daikincomfort.com or www.daikinac.com.

- » Save time on system design as all water components are fully integrated with direct control over leaving water temperature. Factory installed hydronic accessories include:
 - Flow switch
 - Safety relief valve
 - Expansion tank
 - Pump
 - Strainer
 - Auto air vent valve
 - Inlet/outlet temp sensors

Installation Example

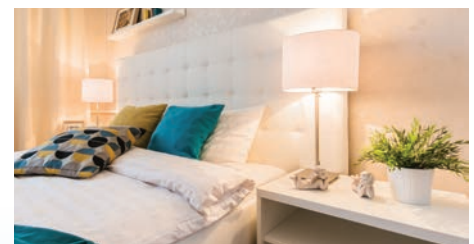


SPECIFICATIONS

Model			HXY48TAVJU
Power Supply		V/ph/Hz	208/230VAC 60 Hz, 1-Phase
Nominal Capacity	Cooling *1	Btu/h (kW)	42,650 (12.5)
	Heating *2	Btu/h (kW)	48,000 (14.0)
Pump	Type		DC Motor
	Nr of Speeds		Inverter Controlled
	Cooling Nominal ESP	ft hd (kPa)	24.4 (73)
	Heating Nominal ESP	ft hd (kPa)	21.8 (65)
Dimensions (H x W x D)		in. (mm)	35 1/16 x 18 7/8 x 13 1/2 (890 x 480 x 344)
Weight (Dry)		lbs (kg)	97 (44)
Casing		(Color / Material)	White / Precoated Sheet Metal
Sound	Power Level	dBA	60
	Pressure Level	dBA	31
Water Flow Rate Range		gpm (l/min)	3.4 - 11.9 (15 - 45)
Pump Control Method			Water Inlet/Outlet Delta T Control
Delta T Range		°F (°C)	5.4 - 14.4 (3 - 8)
Outlet Temp. Range	Cooling	°F (°C)	50 - 68 (10 - 20)
	Heating	°F (°C)	77 - 113 (25 - 45)
Ambient Temperature Range	Cooling	°F (°C)	50 - 109 (10 - 43)
	Heating	°F (°C)	-4 - 75 (-20 - 24)
Pipe Connections	Liquid	in. (mm)	3/8 (9.5) (Flare)
	Gas	in. (mm)	5/8 (15.9) (Flare)
	Water Side Connection *3	in. (mm)	1 1/4 (31.8)
Refrigerant Control			Electronic Expansion Valve
Maximum Overcurrent Protection		A	15
Minimum Circuit Ampacity		A	2.5

NOTE:

- *1 Nominal Cooling Conditions Ambient: 95°F DB, LWT: 64.4°F, Delta T: 9°F, Flow Rate: 9.5 gpm
- *2 Nominal Heating Conditions Ambient: 44.6°F DB / 42.8°F WB, LWT: 95°F, Delta T: 9°F, Flow Rate: 10.6 gpm
- *3 Adaptor Shipped Loose with IDU (BSPP to NPT)



Additional information

Before purchasing this appliance, read important information about its estimated annual energy consumption, yearly operating cost, or energy efficiency rating that is available from your retailer. [Visit www.daikinac.com to learn more.](http://www.daikinac.com)



Our continuing commitment to quality products may mean a change in specifications without notice.

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