

# ecodan® WUZ

## Air-to-Water Heat Pump



Ecodan WUZ delivers heating, cooling, and domestic hot water in a compact, all-in-one system designed for simplified installation and maintenance. Its R-32 refrigerant split configuration ensures dependable cold climate operation with no freeze risk.



**No Freeze Risk for Outdoor Piping.** Refrigerant Split System with Indoor Water Circuit eliminates the need for glycol or heat trace.



**Flexible Install.** Available in 2, 3 and 4 Tons.



**Superior Efficiency.** COP up to 5.05.



**Cold Climate-Ready.** Operates at Outdoor Temperatures as Low as  $-30^{\circ}\text{C}$ .



**Domestic Hot Water.** Up to  $70^{\circ}\text{C}$  LWT.

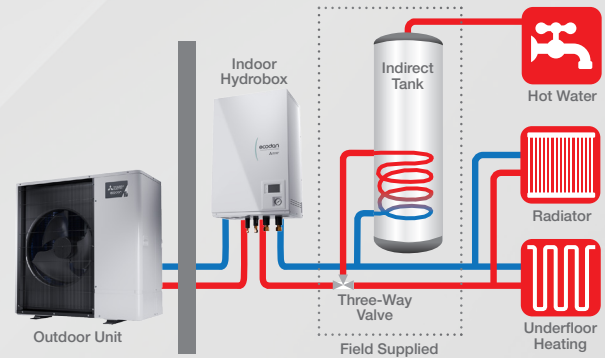


**Sustainable.** Low GWP R-32 Refrigerant.

Japanese Engineered. Unrivaled Quality. For Canada.

## How the System Works

Using proven heat pump technology, energy that is absorbed from the outdoor air is transferred into the water circuit via the indoor hydrobox. The hydrobox then circulates heated or chilled water to heat emitters. The system maintains strong performance in low temperatures and is suitable for both new construction and hydronic system retrofits.



## Features and Details

FEATURES	
All-in-one Hydrobox	Designed with front-access serviceability, the all-in-one hydrobox includes a pump, expansion vessel, magnetic filter, booster heater, and plate heat exchanger.
High Temperature Performance	Delivers hot water up to 70°C outlet water even in low ambient temperatures.
Hyper Heat Cold Climate	Hyper Heating INVERTER® with flash injection delivers reliable heating down to -30°C and maintains up to 100% capacity at -15°C by optimizing compressor speed with cooled injected refrigerant.
Boiler Integration	Enables the system to automatically switch from heat pump to boiler operation for consistent comfort.
Magnetic Filter	Catches large debris, sediment, and iron particles before they can impact the plate heat exchanger, pump, or other piping, supporting system longevity and easier maintenance.
Flow Sensor	Maintains water flow by monitoring the flow rate and automatically adjusting the inverter output for maximum efficiency.
Automatic Air Vent	As air builds up in a hydronic system over time, that excess air pressures can be automatically purged to maintain optimal performance.
Integrated or External Zoning	Built-in zone control capability with optional external controller compatibility.
Eco Mode	System can automatically adjust supply water temperature based on outdoor temperature.
Quiet Operation	The outdoor unit features ultra-quiet operation as low as 41 - 45 db(A) due to an anti-vibration design and 6-layer insulation around the compressor. The unit also offers a three-stage low-noise operation mode.
OPERATION AND EFFICIENCY	
Heating Supply Water Temp Range	25°C to 70°C
Cooling Supply Water Temp Range	5°C to 25°C
Outdoor Temperature Operating Range	Heating: -30°C to 23.9°C, Cooling: 10°C to 62.2°C
COP at 7°C (LWT 35°C)	Up to 5.05
CAPACITIES	
24,000, 36,000, and 48,000 Btu/h	



Learn more at  
[www.EcodanWUZ.ca](http://www.EcodanWUZ.ca)