



Rooftop units

EL-AHU
High-efficiency
with VRF heat
pump technology



ECM
Technology

Heat pump heating
mode with SCR
electric heating
element as needed

HEATING
PERFORMANCE
DOWN TO
-25°C

Made in
Canada



HITACHI

High-efficiency rooftop units, designed and manufactured in Canada.

A winning duo for unmatched performance

In a market where performance and sustainability are essential, the combination of rooftop units and VRF technology is redefining comfort and energy efficiency standards. This smart integration delivers a complete solution for commercial buildings, combining power, flexibility, and simplicity.

1- Maximum energy efficiency

Thanks to precise refrigerant flow modulation, VRF technology optimizes energy consumption based on the actual needs of each zone. When paired with the robustness of RTUs, it minimizes losses and achieves superior efficiency levels—resulting in substantial savings and a reduced carbon footprint.

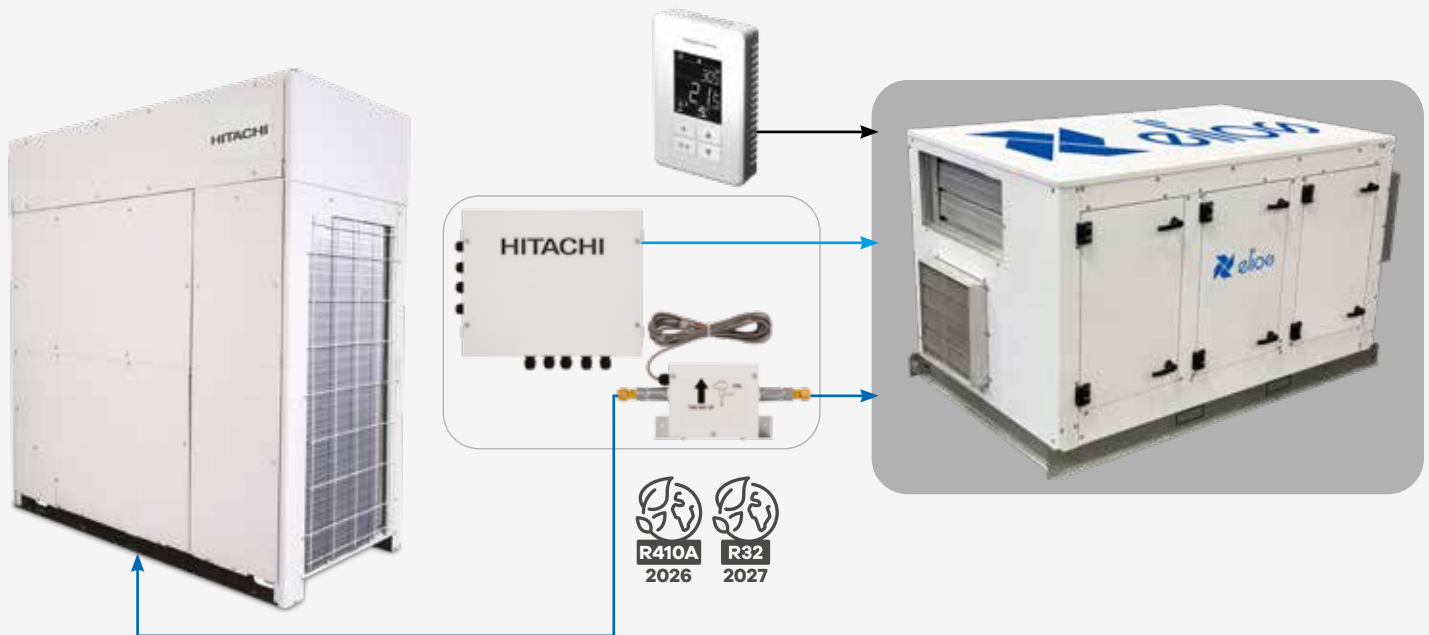
2- Customized comfort

Each space benefits from independent control, ensuring tailored comfort for occupants. Whether for offices, retail spaces, or common areas, the RTU + VRF combination delivers ideal temperature and optimal air quality year-round, even in the most demanding conditions.

3- Simplified installation

Say goodbye to complex constraints! The integration of both technologies is designed to streamline implementation. Fewer ducts, greater configuration flexibility, and seamless compatibility with existing infrastructure—all engineered to reduce installation time and costs.

Modulating rooftop unit paired with a Hitachi VRF system

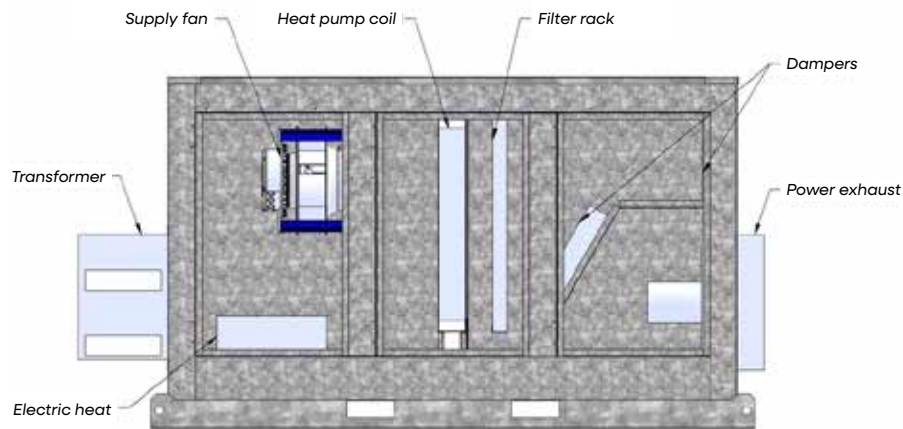


Choosing Elios means investing in a solution that delivers performance, comfort, and simplicity—an innovation that turns your buildings into smart, sustainable spaces.



Features

- Rooftop air handling unit with variable-speed ECM motor, compatible with HITACHI VRF systems
- Standard thermostat on all units, with optional BACnet gateway
- Economizer with exhaust fan
- Motorized dampers for outdoor air, exhaust air, and return air
- Supplemental/emergency electric heating
- 575/3/60 power supply

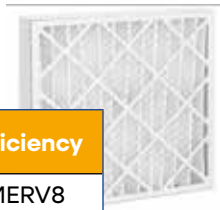


Dimensions

Weight	Length	Depth	Height
lbs	in	in	in
1,255	112.2	57.5	61.5

Filtration

Quantity	Dimensions (in) L x H x D	Efficiency
6	14 x 17.5 x 2	MERV8



Networkable Universal Wall-Mount Controller TUUB

The TUUB is the ideal solution in a variety of applications that require accurate control, such as:

- Rooftop units
- Heat pumps
- CO₂ controls
- Humidity control
- Packaged or split unitary systems
- Other heating/cooling equipment



CMMB-IP IP I/O Module

The CMMB-IP is an ideal choice for a variety of applications in the HVAC industry, including use as a:

- BACnet/IP Router With 2 MS/TP Ports
- BACnet MS/TP Device
- Modbus TCP/IP Device
- Modbus RTU Device



Technical specifications

Series		EL-AHU			
Nominal tonnage		6	8	10	12
Model		AHU			
Model		EL-AHU072-24-5	EL-AHU096-30-5	EL-AHU120-40-5	EL-AHU144-45-5
Specifications & Construction	Airflow, CFM	2,500	3,200	4,000	4,800
	Motor	2,5 kW 208/3 ECM (2-10V Control)			
	Blower	Backward curved impellor			
	Mixed air filter	2" MERV 8			
	Coil	2 rows 10FPI, copper tubes/aluminum fins copper header			
	Electric heater	24 kW, SCR	30 kW, SCR	40 kW, SCR	45 kW, SCR
	Power supply	575V, 3PH, 60Hz			
	Dampers	Aluminum control dampers, 24V modulating actuators			
	Insulation	1" insulated double wall			
	Casing material	Galvanized steel			
	Casing painting	Outer skin to be painted / powder coated			
	Dimensions L x W x H in	112.2 x 57.5 x 61.5			
	Weight lbs	1,255	1,255	1,300	1,350
Model		VRF			
Model		HVAHP072B52S	HVAHP096B52S	HVAHP120B52S	HVAHP144B52S
Nominal Capacity	Cooling BTU/h	72,000	96,000	120,000	144,000
	Heating BTU/h	81,000	108,000	135,000	162,000
Performance (Non-duct / Duct)	Rated cooling capacity BTU/h	69,000	92,000	114,000	138,000
	EER BTU/Wh	14.9 / 12.2	12.4 / 12.4	12.7 / 12.4	10.9 / 11.2
	IEER BTU/Wh	26.5 / 21.1	23.9 / 22.1	24.4 / 21.7	23.9 / 21.2
	COP W/W	4.25 / 3.54	3.77 / 3.65	3.84 / 3.55	3.42 / 3.4
Specifications & Construction	Compressor type	Inverter			
	Refrigerant	R410A			
	Power supply	575V, 3PH, 60Hz			
	Dimensions L x W x H in	66 x 39 x 31	66 x 49 x 31	66 x 49 x 31	66 x 49 x 31
	Weight lbs	523	604	725	728

1. Nominal capacity conditions are based on AHRI standard. Visit www.ahrinet.org for more information.

2. Efficiency ratings are based on the AHRI 1230 test standard.

*Product specifications may change without notice. Performance at standard test conditions.

May be eligible for government grants in your area. Contact your Master representative for more information.

Elios HVAC products are supported by The Master Group, Canada's largest independently-owned HVAC-R distributor. The Master Group has always distinguished itself by its extensive inventory, technical expertise and exceptional customer service.

