

# Enhancing comfort, reliability, and efficiency in healthcare now and in the future.

Patient well-being is at the core of every healthcare facility. With Hitachi's advanced air-conditioning solutions, hospitals can maintain precise temperature and humidity control to create a comfortable, safe, and hygienic environment. Our high-quality VRF and chiller systems, along with a variety of indoor units and advanced control systems, ensure seamless operation with minimal downtime. Designed for reliability, energy efficiency, and compliance with stringent healthcare regulations, our solutions support both new construction and retrofits.

Cooling & Heating



HITACHI

# Smart cooling for safer, greener hospitals

Cooling & Heating



air

## Ensure Patient Safety with Consistent and Clean Airflow

Hospitals require uninterrupted climate control to maintain air quality and prevent the spread of airborne contaminants. Hitachi's cooling and heating systems offer:

- ✓ Consistent and stable temperature control for critical care areas
- ✓ High-reliability operation to minimize downtime
- ✓ Advanced filtration and air purification features

## Reduce Operating Costs While Enhancing Comfort

Hitachi's intelligent climate control solutions help hospitals lower energy expenses without compromising patient and staff comfort. Our offerings include:

- ✓ Smart monitoring systems for real-time energy optimization
- ✓ Adaptive controls to adjust cooling based on occupancy and demand
- ✓ Reduced maintenance needs with high-durability components

## Minimize Environmental Footprint with Energy-Efficient Systems

With increasing sustainability demands, hospitals must optimize energy consumption while reducing operational costs. Our air-conditioning solutions provide:

- ✓ High-efficiency VRF and chiller technology for reduced energy use
- ✓ Smart controls for precise temperature management
- ✓ Compliance with environmental standards to support hospital sustainability goals

## Future-Proof Your Healthcare Facility with Scalable Solutions

Our comprehensive solutions are designed to grow with your hospital's needs. Whether it's a new installation or an upgrade, Hitachi provides:

- ✓ Scalable VRF systems and chillers for different facility sizes
- ✓ Modular and flexible installation options to fit hospital infrastructure
- ✓ Remote monitoring and predictive maintenance for long-term reliability



# Explore Our Product Line



## VRF Systems

Our VRF systems are known for the exceptional energy efficiency and superior comfort. We offer a diverse range of VRF systems, featuring a total of 246 models in our lineup, ensuring that you will find the unit that perfectly meets your needs.



air365 Max



SET FREE Sigma  
(Cooling Only)



air365 SideSmart



SET FREE mini

### Top Flow

- [air365 Max](#) Heat Pump: Max 112 HP with a maximum EER of 5.50
- [air365 Max](#) Cooling Only: Max 120 HP with a maximum EER of 5.40
- SET FREE Sigma Heat Pump (HNCQ Series): Max 96 HP with a maximum EER of 4.50
- [SET FREE Sigma Cooling Only](#) (HNCQ Series): Max 96 HP with a maximum EER of 4.50

### Modular Sideflow

- The world's first combination side-flow model features a side-flow (front-discharge) design.
- [air365 SideSmart](#): Modular sideflow VRF
- Single-cabinet side-flow model, ranging from 8 to 18 HP
- Combined capacities up to 72 HP with a maximum EER of 4.51

### Mini Sideflow

- [SET FREE Mini](#): Capacities ranging from 3 to 12 HP
- Maximum EER of 4.00



## Chillers

Perfect for large commercial and industrial buildings. Our chillers deliver variety capacity and energy efficiency while minimizing noise and eliminating refrigerant risks in occupied areas.



**AZ(P)Y1 Series**



**WZY Series**



**WZPY Series**



**WVY Series**



**V Series**



**AVSY Series**



**VM Series**



**S Series**

### Air-cooled Screw

- Using R134a and R407C refrigerant
- Capacity range from 45TR – 456TR
- Max COP 5.79
- [AZ\(P\)Y1 Series](#)

### Water-cooled Screw

- Using R134a
- Capacity range from 100TR – 520TR
- Max COP 5.79
- [WZY Series](#), [WZPY series](#), [WVY Series](#)

### Air-cooled modular scroll Inverter

- Using R410a refrigerant
- Capacity: 65 kW, 130 kW, and 150kW
- Modular up to 16 chiller units
- Max COP 3.18
- [AVSY Series](#), [V series](#)

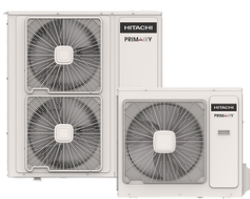
### Water-cooled Centrifugal

- Using R134a
- Capacity range from 300TR – 2,500TR
- Max COP up to 7.00
- [VM series](#), [S series](#)

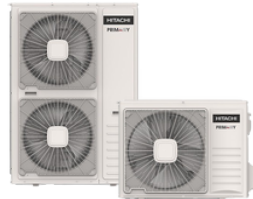


## Commercial Split Systems

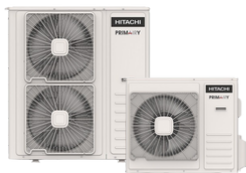
We offer a variety of commercial single split systems too, which are a cost-effective alternative to VRF systems, with lower installation complexity.



**Primary R32 Cooling Only**



**Primary Inverter**



**Primary Fixed Speed R410a**

### Large Single Split System

- Ideal for small to medium size space
- Options of inverter or fixed-speed
- Refrigerants options: R410a and R32
- cooling-only and heat pump
- Capacity ranges from 2HP up to 6.5HP
- Multiple choices of indoor units
- [Primary R32 Cooling Only](#) , [Primary Inverter](#), [Primary Fixed Speed R410a](#)



**RP Series**



**Takumi**



**RUA Series**

## Water-cooled single split systems

- Refrigerants options: R407C and R134a
- Start from 5 HP to 40 HP
- Free Blow and Duct Connection
- [RP series](#)

## Air-cooled ducted split air conditioners

- Using R410A refrigerant
- 2 options of country of origin, from Taiwan and India
- Start from 4HP
- Part load operation
- [Takumi](#)

## Packaged system

- Self-contained packaged air conditioner
- Connect to ducted systems
- Installed on the rooftop or alongside the building.
- R410A Refrigerant
- Start from 4 HP to 30 HP
- [RUA Series](#)



## IOT and Controllers

Hitachi's apps and controllers provides integrated technologies for comprehensive HVAC management, covering design, operation, commissioning, and maintenance.



**Central Station EX**



**airPoint Room 700**

## Central Station Controllers

- [Central station EX](#)
- Remote accessible from a PC
- Control up to 2,560 VRF indoor units
- Reduce energy bills with energy calculation software
- Intuitive touchscreen interface

## Room Controllers

- [airPoint Room 700](#): VRF Advanced-Color Individual Controller (PC-ARFG2)
- Award-winning ergonomic design for enhanced user experience
- Enables thorough indoor comfort customization
- Supports faster equipment setup via the airCloud Tap mobile app
- Uses NFC for installation & commissioning settings via smartphone



**airCloud Tap**

## IOT Apps

- [airCloud Tap](#)
- Benefit from NFC technology
- Contactless tap: up to 6x faster than manual method
- Read and configure settings easily on the phone
- Save, copy and paste: the perfect tool for multi-unit projects



## IAQ (Indoor Air Quality) Solutions

Breathe easy with our advanced hospital air-conditioning solutions. Improve air quality, enhance patient comfort, and maintain indoor air quality with our AC system upgrades, air handlers, and efficient ventilation options—designed to meet the unique needs of healthcare facilities.



**AQtiv-Ion Kit**

### AQtiv-Ion Kit

- Plug-and-play ionizer for ducted VRF units
- Utilizes the air conditioner's airflow, eliminating the need for a fan
- Low impact on noise levels and energy consumption
- Ionizing air purifier providing a healthier indoor environment



**DX-Kit**

### DX-Kit

- Versatile and flexible connection between Hitachi VRF and your AHU
- Capacity range of 2-30HP
- Combining the DX-Kit with the VRF ODU ensures the highest level of precise temperature control



**Total Heat Exchanger**

### Total Heat Exchanger

- 2-way energy recovery ventilation (ERV) system
- Brings in fresh outdoor air while removing stale indoor air for better air quality
- Uses an internal heat exchanger to balance indoor and outdoor temperatures
- Reduces air conditioning load, improving energy efficiency and lowering costs



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