

# Energies the future through energy efficiency and deliver the best performance and comfort

Energy efficiency is essential for a more sustainable future. It is the primary resource and one of the easiest way to reduce carbon emissions and achieving net-zero goals. At Hitachi Cooling and Heating, our energy-efficient HVAC systems and smart building solutions empower customers to achieve the best performance and comfort with less energy consumption.

Cooling & Heating



## Our solutions

At Hitachi Cooling and Heating, we are dedicated to being the leading partner in creating energy-efficient HVAC systems for commercial buildings. Our mission is to develop high-quality and reliable solutions. In Indonesia, we primarily offer Hitachi Air Conditioning systems, including Direct Expansion (DX), VRF, and Chilled Water Systems. The products are manufactured globally, with facilities in Europe, China, India, Malaysia, Taiwan, and originally from Japan.

- 1. VRF systems are known for the exceptional energy efficiency and superior comfort. We offer a diverse range of VRF systems, ensuring that you will find a unit that perfectly meets your needs!**

### Top Flow

#### air365 Max



#### SET FREE Sigma



### Modular SideFlow

#### air365 SideSmart



### Mini SideFlow

#### SET FREE mini



Top Flow VRF, we have 2 different VRFs,

- **air365 Max** Cooling only, max120HP with EER max 5.40
- **SET FREE Sigma** Cooling Only type HNCQ series, max 96HP with EER max 4.50

**air365 SideSmart**, as the world’s first combination side flow model, offers a side flow (front-discharge) design.

- Single-cabinet side flow model. Single capacities range from 8 to 18 HP
- Combined capacities up to 72 HP and a maximum EER 4.51
- We offer SET FREE Mini too, with capacities ranging from 3 to 12 HP and a maximum EER of 4.00.

		air365 Max Cooling Only	SET FREE Σ Cooling Only	air365 SideSmart	SET FREE mini
Type		Modular Top Flow VRF		Modular Side Flow VRF	Side Flow VRF
Capacity	Single	8~30HP	8~24HP	8~18HP	3~12HP
	Combination	32~120HP	26~96HP	20~72HP	-
Efficiency		EER max 5.40	EER max 4.50	EER max 4.51	EER max 4.00
Cost		💰💰💰💰	💰💰💰	💰💰💰💰	💰💰

**2. Chiller systems are ideal for large commercial and industrial buildings due to their high capacity, reliable performance, and energy efficiency. With our global manufacturing capabilities and worldwide services, you will never have to worry about your HVAC system again!**

**Air Cooled Screw Chiller**

- Using R134a and R407C refrigerant
- 2 option units, standard efficiency and high efficiency
- Multiple compressors
- Start from 45TR – 456TR
- Max COP 3.38

## Water Cooled Screw Chiller

- Using R134a
- 2 option units, standard efficiency and high efficiency
- 2 type of evaporator, dry type evaporator and flooded type evaporator
- Start from 100TR – 520TR
- Max COP 5.79

## Centrifugal Chiller

- Using R134a
- 2 option units, standard efficiency and high efficiency
- Start from 300TR – 2,500TR
- Direct drive and compact size
- Max COP up to 7.00

## Modular Inverter Scroll Chiller

- Using R410A refrigerant
- Modular up to 16 chiller units
- Divided 3 type based on capacity, 65 kW, 130 kW, and 150kW
- Using Hitachi scroll inverter compressor
- Max COP 3.18



### Air Cooled Screw



**AZ(P)Y1 Series**



**AZY Series**

### Water Cooled Screw



**WZY Series**



**WZPY Series**

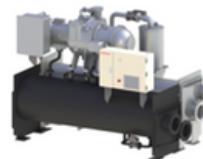


**WVY Series**

### Centrifugal Chiller



**GFG-S/SIT, GXG-S/SIT, GSG-S/SIT**



**HC-F-GXVG/GFVG**

### Scroll Inverter Chiller



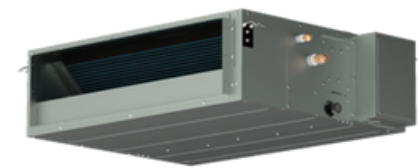
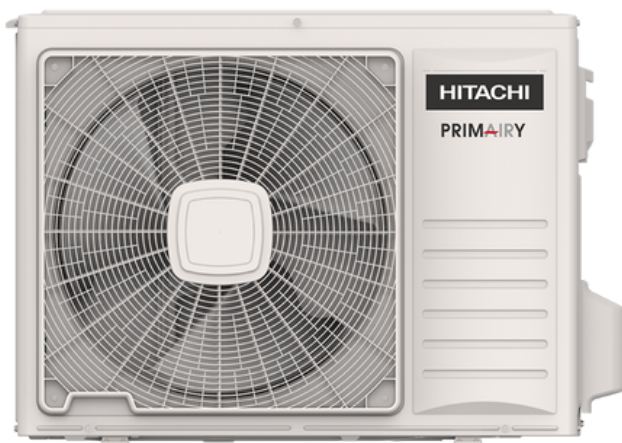
**AVSY Series**

### 3. Large Single 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 single split system is designed to meet the essential daily needs of small business owners and individuals living and working in small to medium-sized spaces around the world.

- Inverter or fixed-speed outdoor units
- Refrigerant options: R410a and R32
- Cooling-only and heat pump
- Capacity ranges from 2HP up to 6.5HP
- Indoor units: cassette, ducted, and floor/ceiling convertible



Takumi range is our first range of air cooled ducted split air conditioners, designed to be more efficient and powerful.

- Using R410A refrigerant
- 2 options of country of origin, from Taiwan and India
- Start from 4HP
- Part load operation



**Takumi**

RP series is the water-cooled single split AC systems, suitable for large-scale commercial applications.

- Refrigerant options: R134a and R407C
- Start from 5 HP to 40 HP
- Free Blow and Duct Connection



**RP Series**

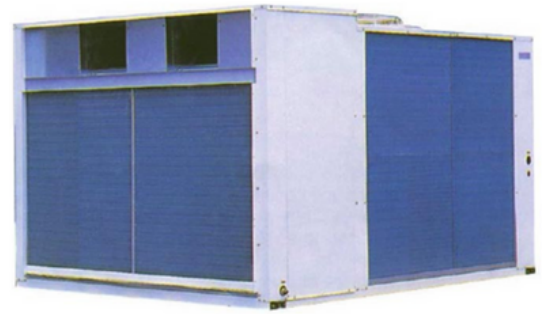


#### 4. Packaged system

**For packaged AC system, the condenser, evaporator, compressor, and air handling unit are "packaged" together in one boxed cabinet. This makes them perfect for spaces too small to accommodate separate units.**

RUA series, our self-contained packaged air conditioner – which can connect to ducted systems, offers reliable cooling performance and large cooling capacity suited for large commercial spaces and provides year-round comfort. It could be installed on the rooftop or alongside the building.

- R410A Refrigerant
- Start from 4 HP to 30 HP



**RUA series**

## Summary

By focusing on reliability and energy efficiency, we ensure high durability, resulting in long-lasting, high-performing products. Our aim is to deliver exceptional quality to our customers at every stage of their journey. This commitment drives us to optimize every step, from initiation and investigation to scoping, ordering, delivery, commissioning, and after-sales service. Together, let's energize the future through energy efficiency and deliver the best performance and comfort.



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