

HITACHI



PRIMARY

R32 INVERTER SERIES

Cooling & Heating

air



— Cooling

--- Heating



HITACHI

—
In harmony



01

Meeting your business needs

Cooling & Heating

air

RESTAURANTS & CAFÉS

“Running a café means noise, buzz, activity and trapped heat. Having a correct and consistent A/C lets my customers relax and enjoy their drinks – and I can see the difference in their moods.”

– a café owner

Our benefits

- Compact outdoor units give better piping flexibility during installation
- Constant temperature for ease of management and comfort
- When power resumes from blackout, auto restart function ensures comfort of your space



RETAIL SPACES

“I work with clothes, and the fabric can heat up in summer and make things stuffy. The store is cold in winter. Without the system to regulate things all year round, the seasons would really get to me.”

– a clothing store owner

Our benefits

- Easy installation for existing buildings with limited space
- Adaptable to every building shape and room type
- A consistent fresh air intake improves indoor ventilation and air quality



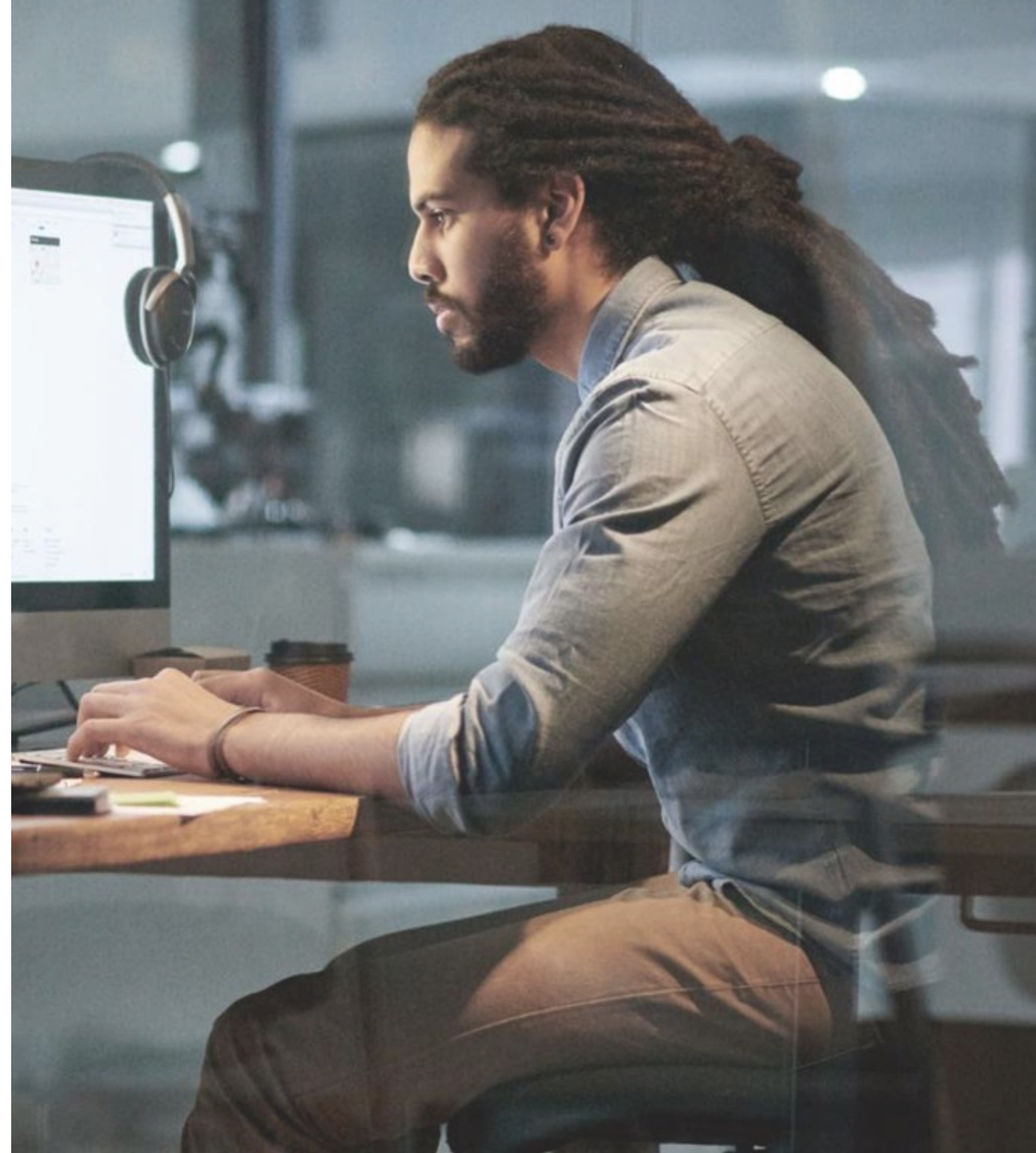
SMALL WORK SPACES

“I stay late at the office if there is a big project to finish. Having a comfortable setting is essential, and the airflow system I installed is a big part of this.”

– a design work space owner

Our benefits

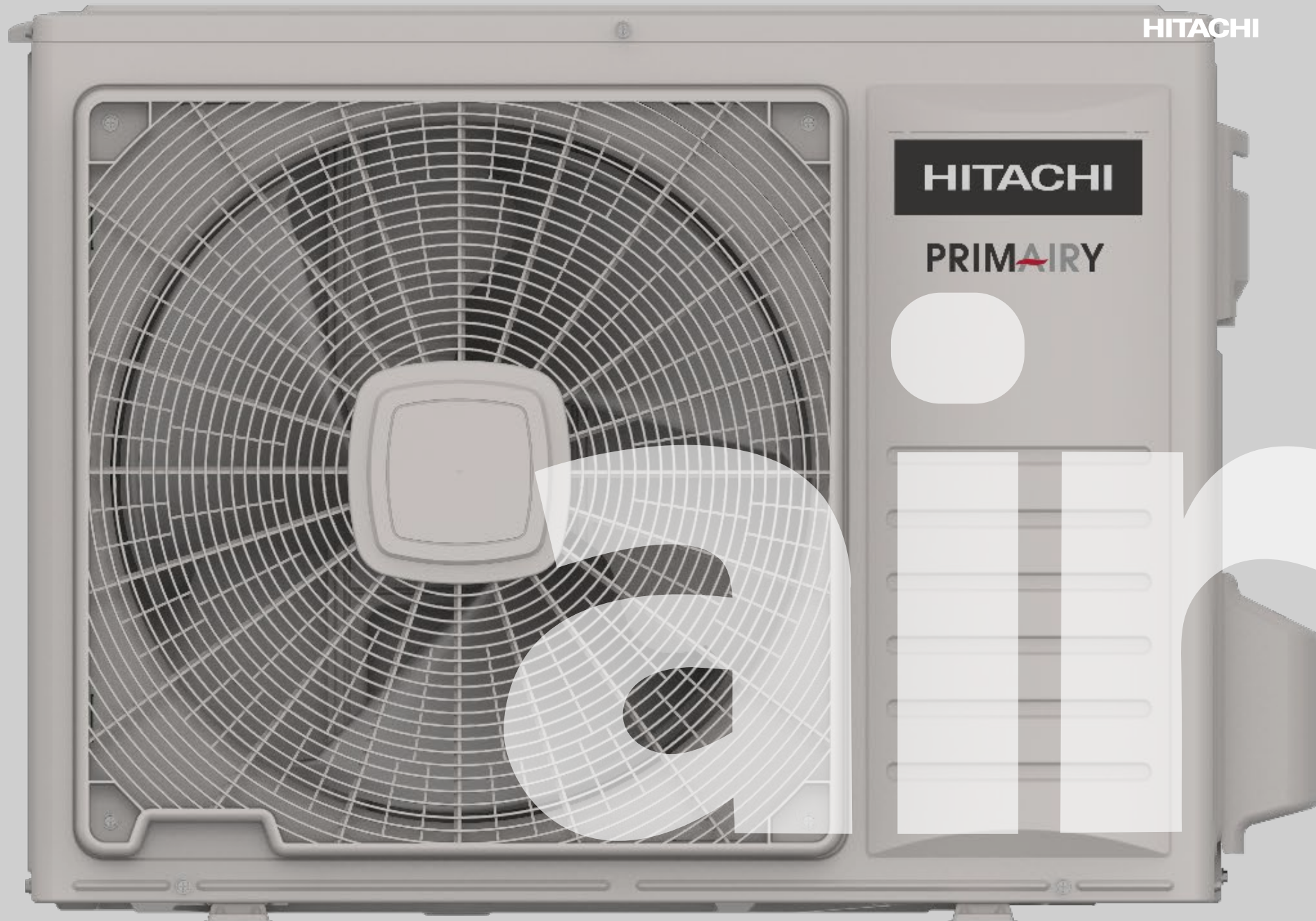
- Maintain a consistent temperature all year round
- Units have a quiet mode that results in a low operation noise and promotes work efficiency



02

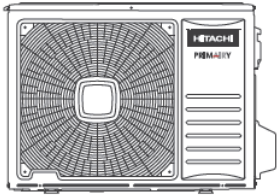
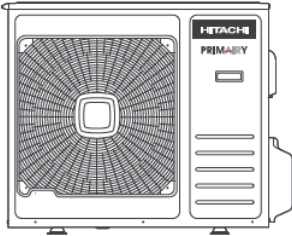
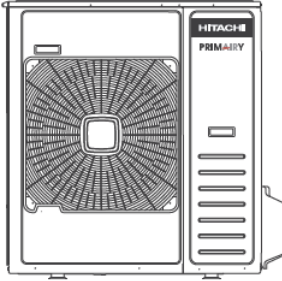
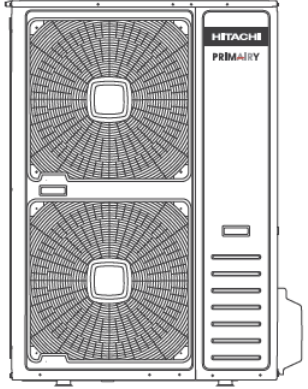
— Primairy R32 lineup

Cooling & Heating



Comprehensive Lineup

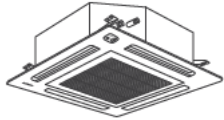
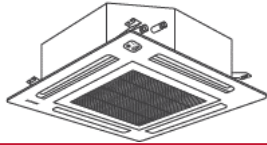
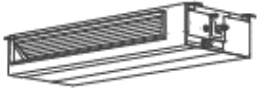
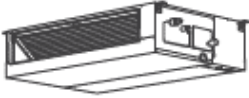




Primary R32 has one of most complete outdoor range with a wide capacity and power supply options

Power supply	3.0HP	3.5HP	4HP	5HP	6HP	6.5HP
Monophase	•	•	•	• *	• *	
Triphase				•	•	•
	 RAS-3.0UFESNH1 RAS-3.5UFESNH1		 RAS-4.0UFESNH1	 RAS-5.0UFESMH1 RAS-5.0UFESNH1*	 RAS-6.0UFESMH1 RAS-6.5UFESMH1 RAS-6.0UFESNH1*	

**availability in autumn 2020*

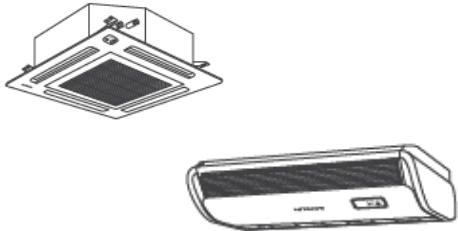
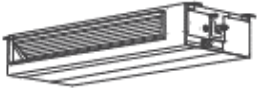
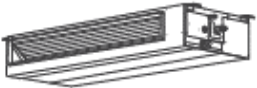
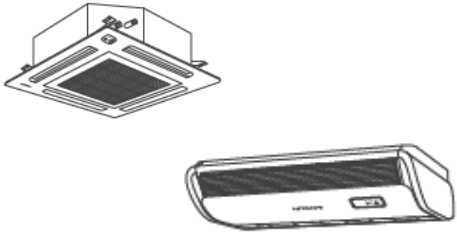
Comprehensive Lineup

Cassette, duct and floor-ceiling range compatible with all outdoor range

Indoor type	3.0HP	3.5HP	4HP	5HP	6HP	6.5HP
Cassette						
	RCI-3.0UFE1NH	RCI-3.5UFE1NH	RCI-4.0UFE1NH	RCI-5.0UFE1NH	RCI-6.0UFE1NH	RCI-6.5UFE1NH
Duct						
	RPIL-3.0UFE1NH	RPIH-3.5UFE1NH	RPIH-4.0UFE1NH	RPIH-5.0UFE1NH	RPIH-6.0UFE1NH	RPIH-6.5UFE1NH
Ceiling						
	RPFC-3.0UFE1NH	RPFC-3.5UFE1NH	RPFC-4.0UFE1NH	RPFC-5.0UFE1NH	RPFC-6.0UFE1NH	RPFC-6.5UFE1NH

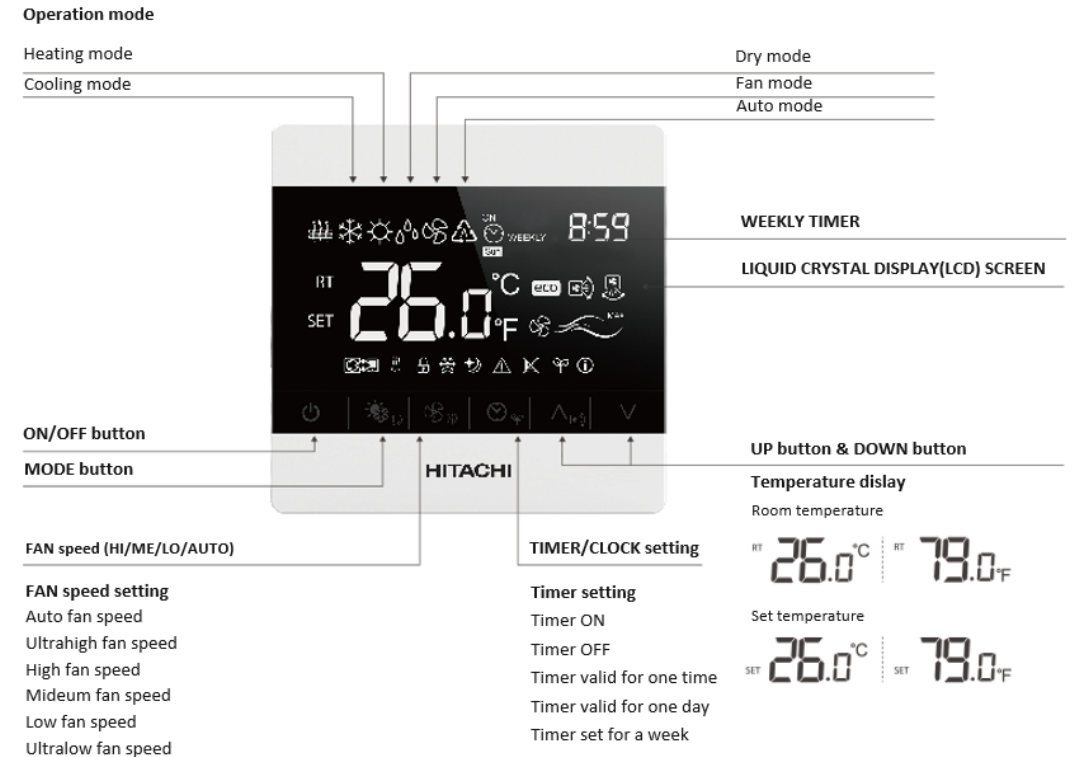
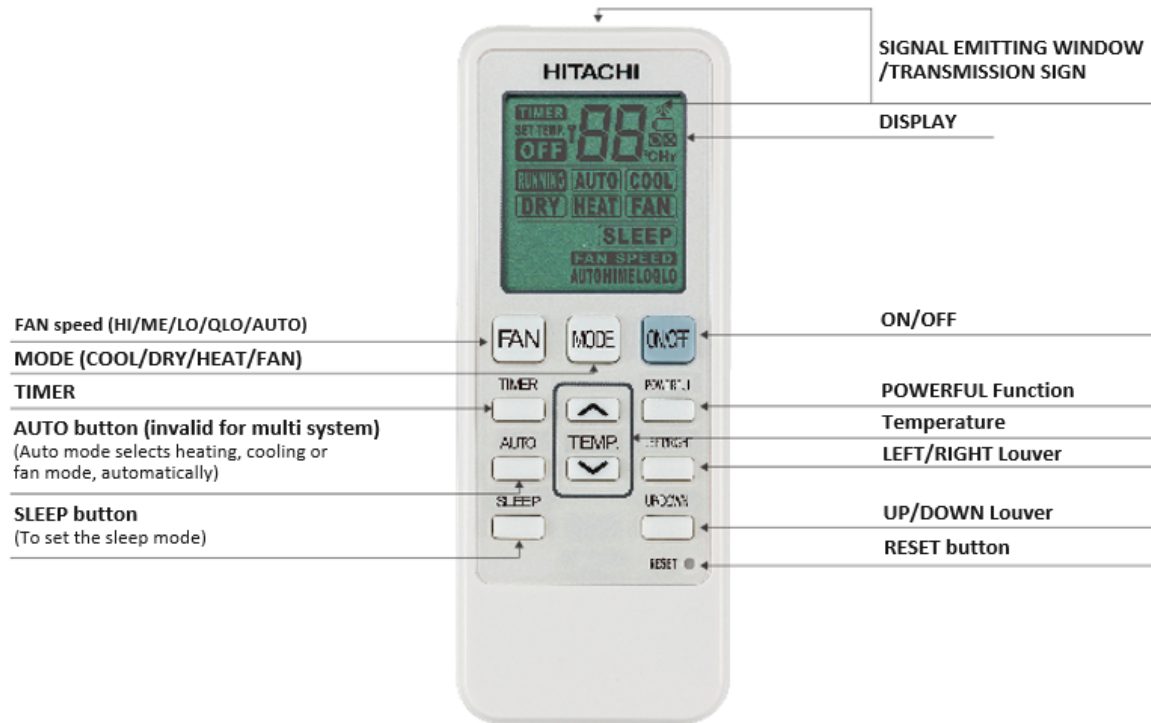
Comprehensive Lineup

Wireless and Wired control available for full range

Control			
Wireless remote		Standard	Optional
			
Wired remote			
			

Comprehensive Lineup

Wireless and Wired control available for full range



- Weekly timer
- Compatible with external temperature sensor
- Lock function

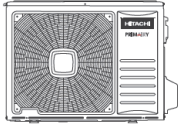
03

Features & benefits

Cooling & Heating



ENVIRONMENTAL FRIENDLY



Key features

R32 refrigerant adopted

- Zero ozone depletion potential
- Lower global warming potential

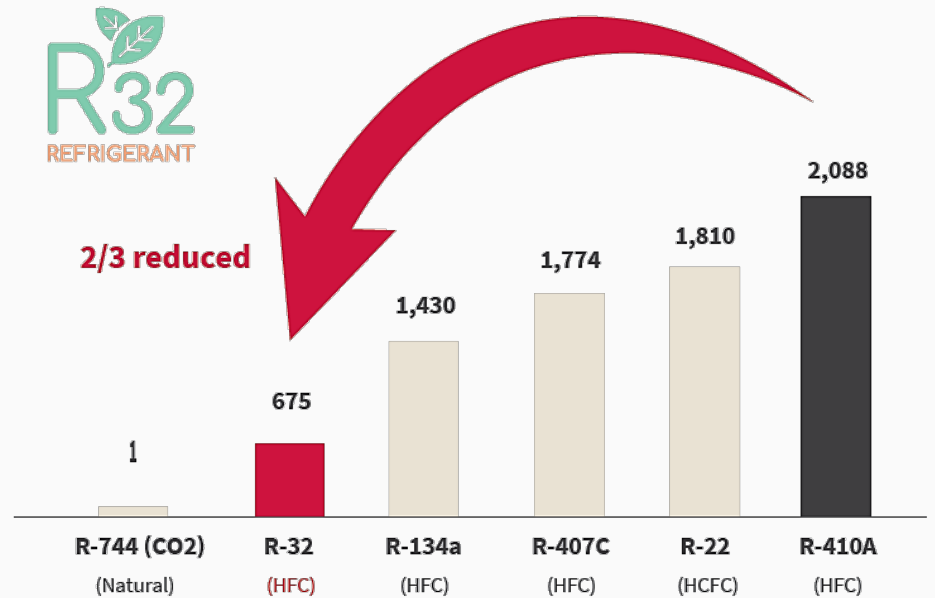
Key benefits

- Environmental friendly
- Enhance efficiency of the system
- Less refrigerant charge volume

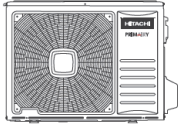
Good for...



Global warming potential (GWP)
comparison:



PERFORMANCE



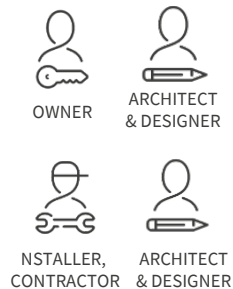
Key features

- High efficiency double rotary compressor
- high efficiency dc fan motor
- high efficiency fin & heat exchanger
- Smart defrosting

Key benefits

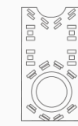
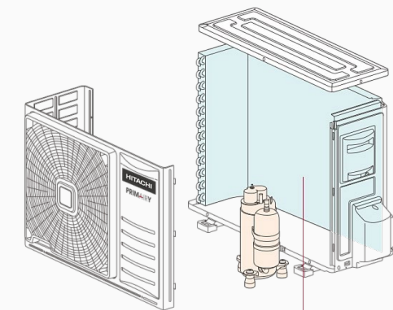
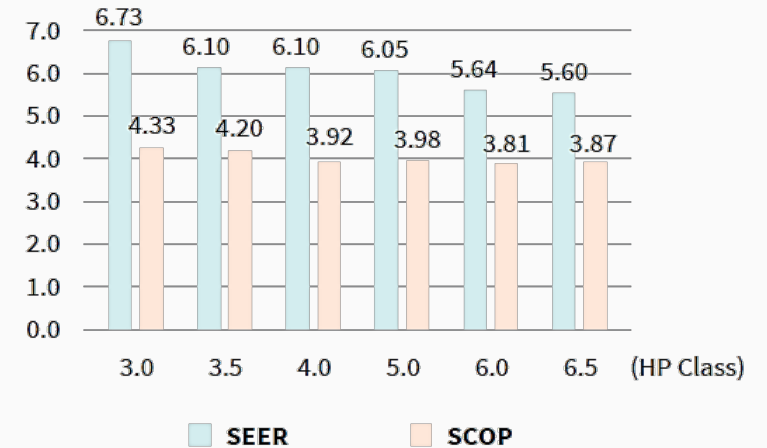
- First in class SEER and SCOP values. Great energy savings.
- Smart defrosting offers a good reliability in low temperature climates

Good for...



Cassette unit

(W/W)



High Φ7 louver

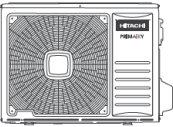


High Φ7 louver



High Φ7.94 louver

DESIGN FLEXIBILITY



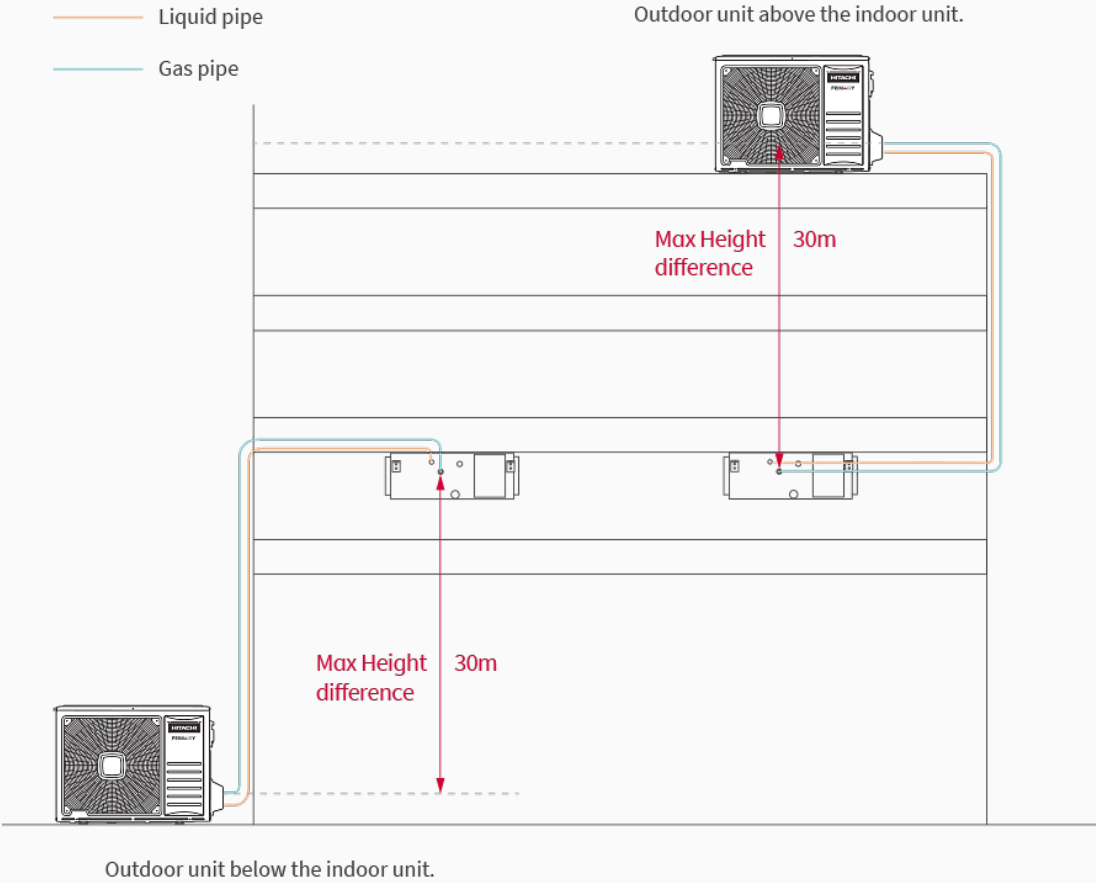
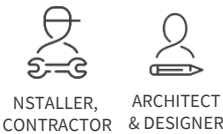
Key features

- Total max piping length: 50m
- Max height between outdoor and indoor units: 30m

Key benefits

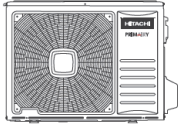
- Flexible piping options for various small business types
- High flexibility in installation configuration

Good for...



Piping	HP	3.0	3.5	4.0	5.0	6.0	6.5
Diameter (Liquid)	Inch	3/8	3/8	3/8	3/8	3/8	3/8
Diameter (Gas)	Inch	5/8	5/8	3/4	3/4	3/4	3/4
Max Length	m	50	50	50	50	50	50
Max Height	m	30	30	30	30	30	30

DESIGN FLEXIBILITY



Key features

- DC Inverter technology
- Works under extreme ambient temperatures:

Cooling: -15°C to 48°C

Heating : -15°C to 24°C

Key benefits

- Wide ambient temperature range accommodates to extreme weather, reliable operation.
- All year cooling application possible for hot climate (e.g. server rooms)
- All year heating comfort even for very cold climate

Good for...



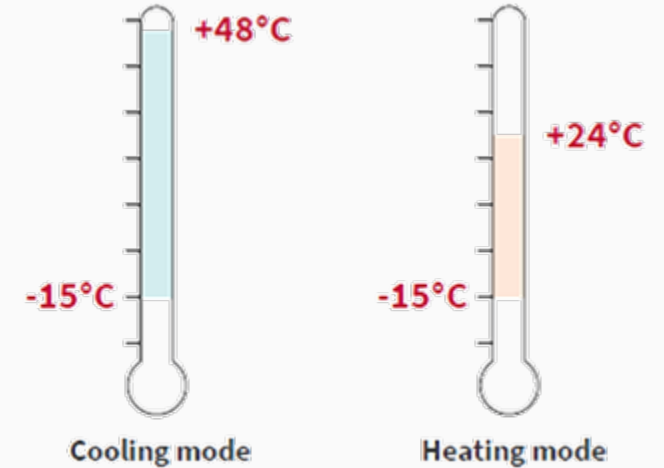
OWNER



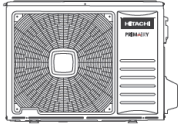
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& DESIGNER



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DESIGN FLEXIBILITY



Key features

- Flexible choice, from a combination of small to large outdoor unit modules
- From 3.0 up to 6.5 HP per refrigeration system
- Monophase and triphase options

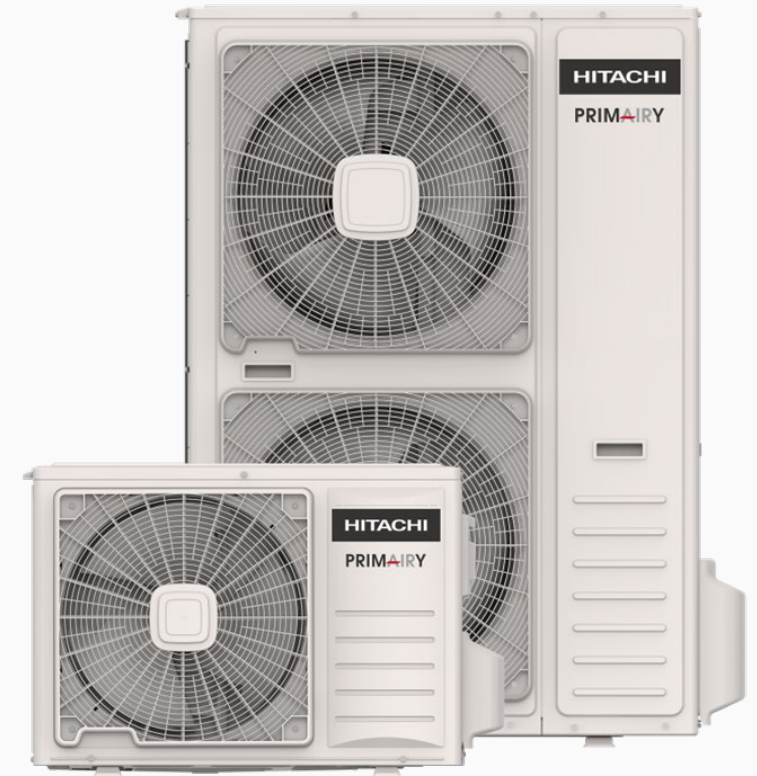
Key benefits

- Perfect capacity fit per each application. No oversizing or undersizing.

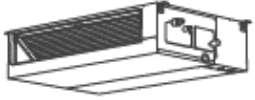
Good for...



ARCHITECT
& DESIGNER



DESIGN FLEXIBILITY



Key features

- High ESP value – **120Pa** (3.5 – 6.5 HP)
- Low height:

3HP → **190mm**

3.0 - 4.0HP → **268mm**

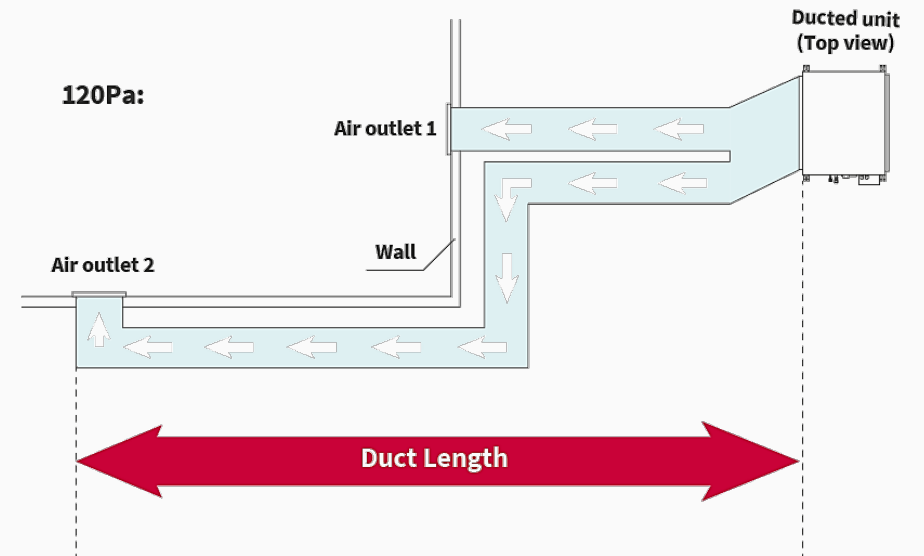
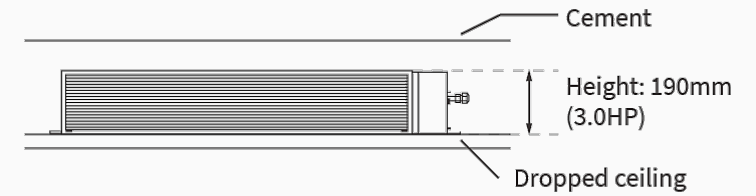
Key benefits

- Long ducted installation
- Compatible with installation at false ceilings installation

Good for...



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& DESIGNER



DESIGN FLEXIBILITY



Key features

- Fresh air inlet
- Installation on Floor or Ceiling

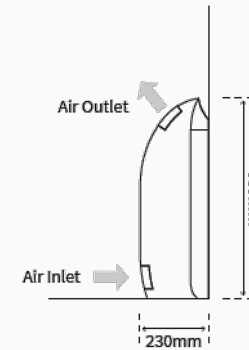
Key benefits

- Allows fresh air intake to improve indoor ventilation
- It can perform as a floor or ceiling unit depending on climatization needs for each installation.

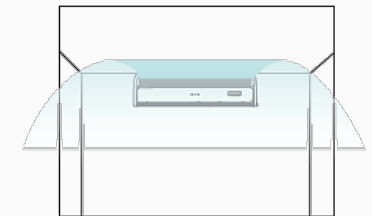
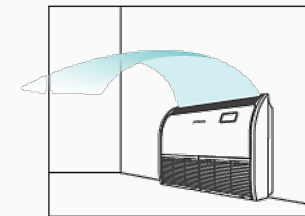
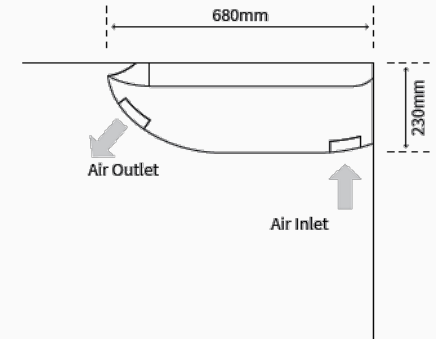
Good for...



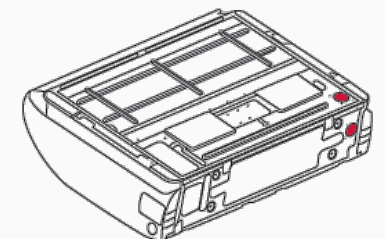
Installation on Floor



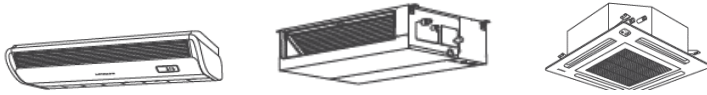
Installation on Ceiling



● Fresh air inlet



DESIGN FLEXIBILITY



Key features

- Built in Input-Outputs
 - Connector at IU main board.
 - Different behaviour for alarm and standard inputs.

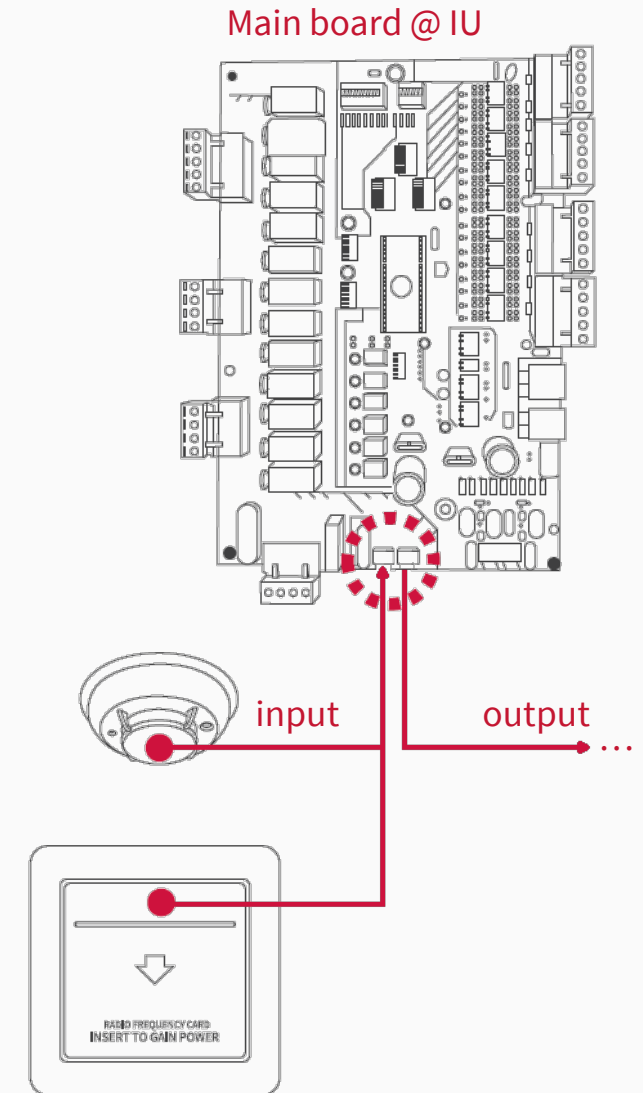
Key benefits

- Allows integration with external sensors with no additional PCB or controller:
 - Room card , smoke detection , access control, alarm.
- Allows back-up rotation control with an external control (data room, etc.).
- Output signal for malfunction can be used for maintenance warnings or to start back-up actions.

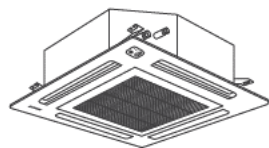
Good for...



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COMFORT



Key features

- Control air flow with **individual 4-Way louvers**
- **Temperature compensation** for high ceilings

Key benefits

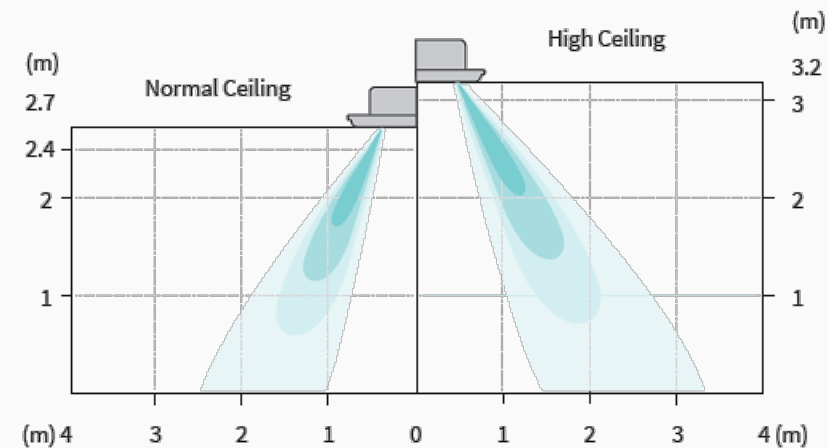
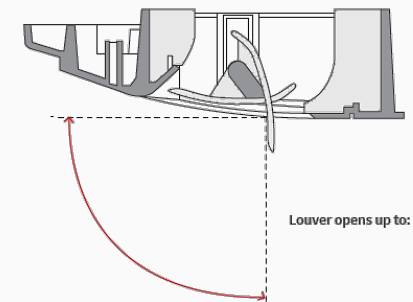
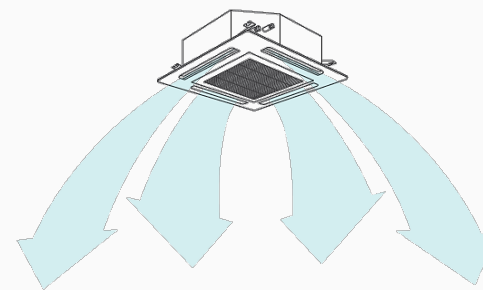
- Airflow can be directed at any point.
- Temperature compensation avoids temperature stratification and matches set up temperature at user level.

Good for...

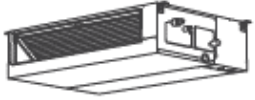


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EASY INSTALLATION AND MAINTENANCE



Key features

- **Flexible air return** from bottom or rear
- **Built-in drain pan**

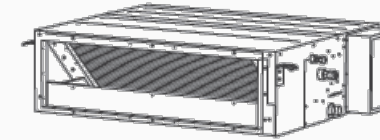
Key benefits

- Installation time is reduced. Built in drain pan reduces dust adhesion and prevents water leakage.
- Easy installation on different space layouts

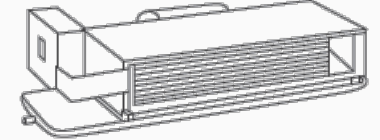
Good for...



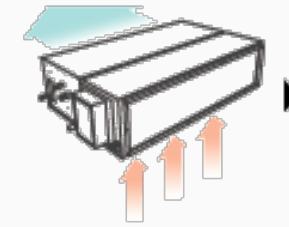
INSTALLER,
CONTRACTOR



Built-in drain pan



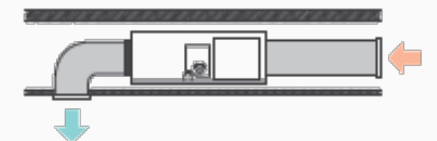
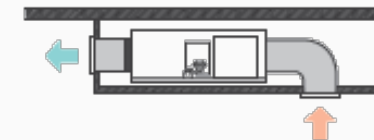
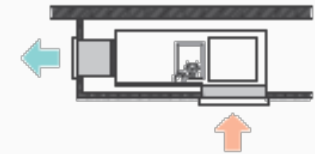
Exposed drain pan



Bottom air intake



Rear air intake



RELIABILITY

HITACHI

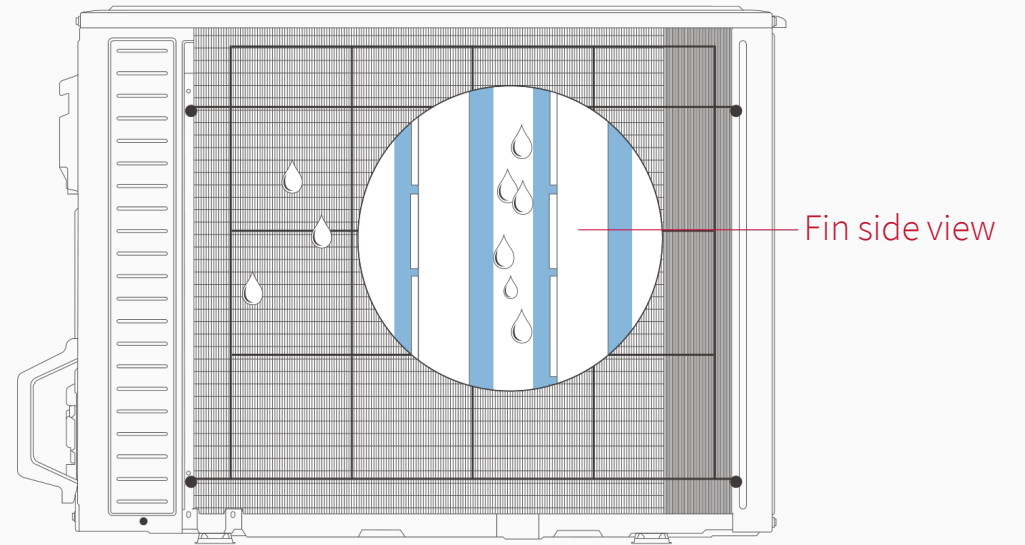
Key features

- Hydrophilic aluminium fin
- Smart defrosting

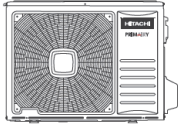
Key benefits

- Dependable, long-lasting performance

Good for...



CONFORT



Key features

- Auto restart on power supply shortage
- ODU fan speed: 16 levels of adjustment
- DC fan motor

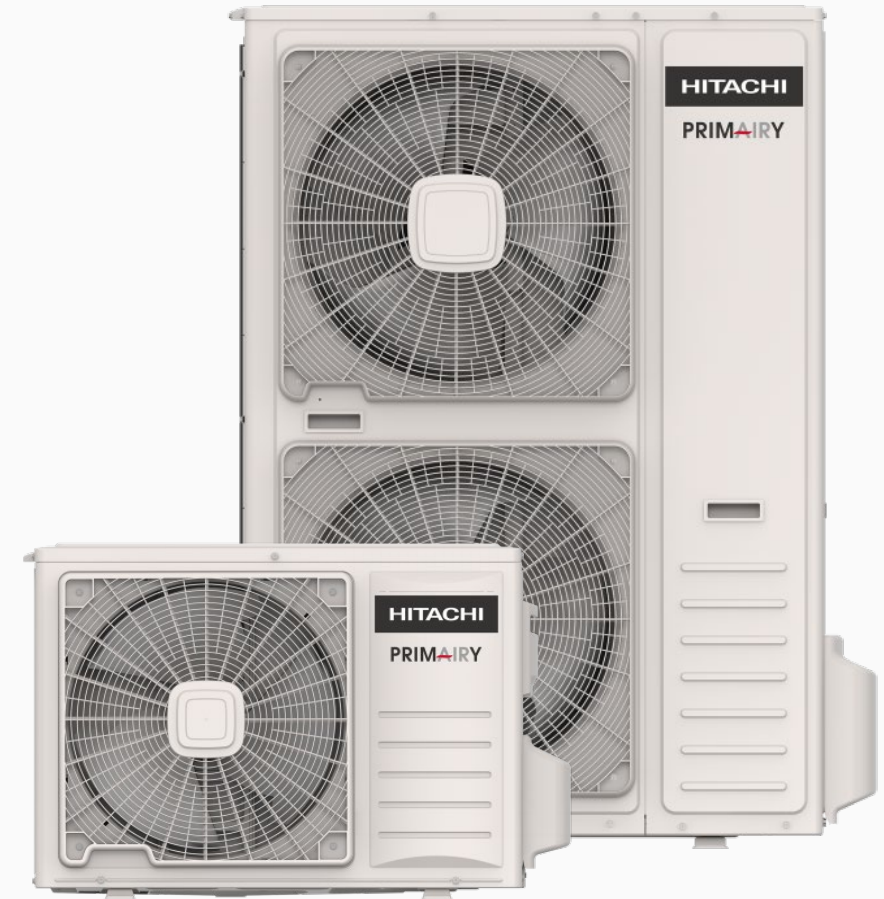
Key benefits

- Comfort is kept after power supply is reestablished.
- Silent outdoor units. Good to fulfill local noise regulations.

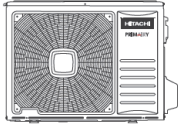
Good for...



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& DESIGNER

EASY INSTALLATION AND MAINTENANCE



Key features

- Compact size and light OU
- Built in carry handle

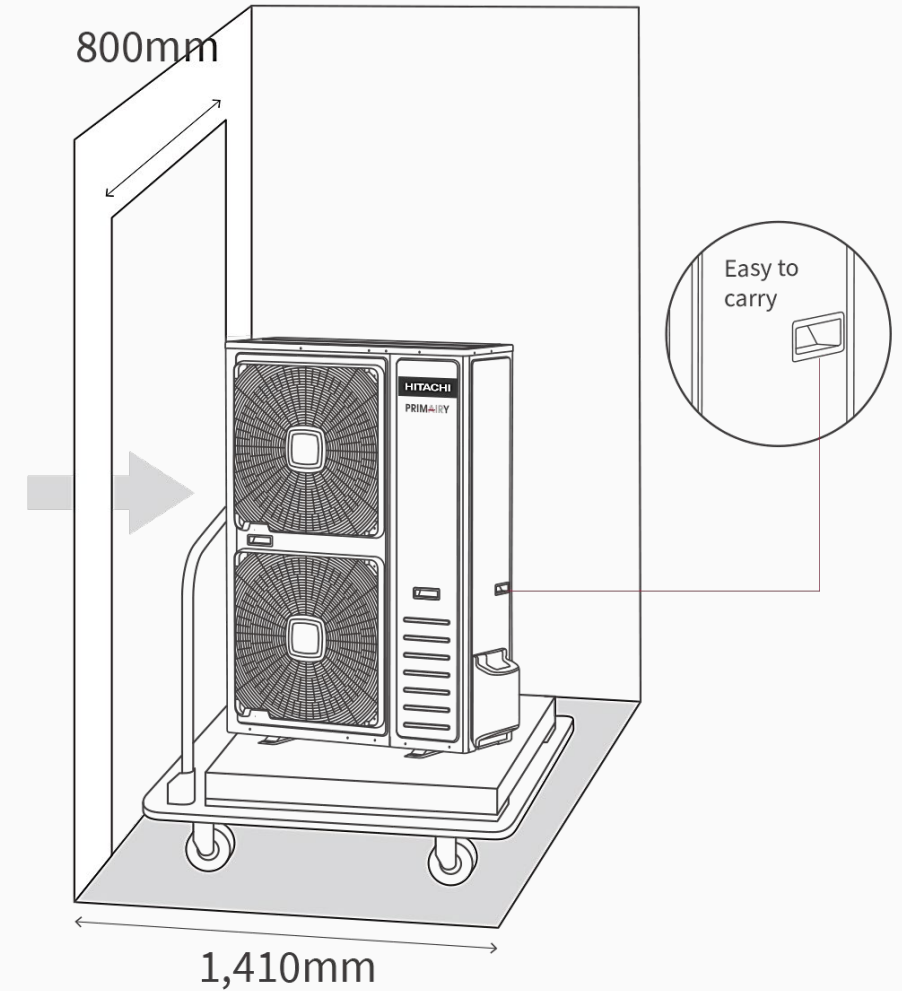
Key benefits

- Fits in a standard sized elevator
- Easier transportation for installers

Good for...



INSTALLER,
CONTRACTOR



Thanks for your attention