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 This is an e-waste product and should not be mixed with general household waste at the end of its life. For more details kindly visit our website or contact Hitachi Dial-a-Care.

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March 2024

# HITACHI

## Light Commercial range of Air Conditioners

Ductable Air Conditioners  
Concealed Air Conditioners  
Flexi Split Air Conditioners  
Cassette Air Conditioners



Cooling & Heating





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## air, the essence of life

Invisible, silent and life-giving, air makes our entire world possible. It surrounds us, continuously energizing, cooling and warming. It can be unpredictable and sometimes challenging, but when air is in harmony with us, everything seems that much easier.

This is our vision.

To create the air that makes life better

## Born in Japan with a global presence

Since 1952, Hitachi Cooling & Heating has been helping make life more harmonious for people around the world. Today, our long heritage of precise Japanese engineering ensures that no detail is overlooked in our quest to create Living Harmony.

The technology of the future with expertise from the past.

Japanese technology designed for India.

14 factories across the globe.



## air made for you by air Xperts

At Hitachi Cooling & Heating, we understand the power of air and what it can do to elevate the environment of one's home and business. With our unparalleled Japanese heritage, we are constantly evolving and innovating to create cutting-edge products that make the best use of air and enable you to become the **air Xpert**.





## Become an air Xpert and turn your dreams into reality

We believe in going the extra mile to turn your dreams into reality. Which is why we bring together our knowledge, technology and expertise to create air conditioning solutions that can help your business grow. Presenting our latest range of Light Commercial Air Conditioners. Experience the future of air conditioning with our new enhanced product portfolio:

- Ductable Air Conditioners
- Concealed Air Conditioners
- Flexi Split Air Conditioners
- Cassette Air Conditioners

An ideal choice for hotels, bars, restaurants, hospitals, resorts, villas, corporate offices and more, you can now enjoy comfort even during extreme weather conditions. With mesmerizing designs (for both indoor and outdoor units), it comes with additional advanced advantages like simple installation, ease of maintenance, space saving and power saving.

Ductable



Concealed



Flexi Split



Cassette







# Ductable range of air conditioners





Ingeniously engineered to maximize comfort, Ductable Range of Air Conditioners from Hitachi Cooling & Heating offers smart solutions to professionals like architects, HVAC consultants and more. This range of air conditioners offer factory charged and tested refrigerant, ease of installation, ease of operations and safety features that are customized to best meet the consumers’ needs.

## Unique characteristics


- 

**Efficient**  
(Multi Compressor Unit)
  - Part Load Operation
  - Phase Starting of Compressor
- 

**Comfortable**  
(Ease of Operation)
  - Wireless Remote
- 

**Proficient**  
(Enhanced Performance)
  - Silent Operation
  - Factory Charged Refrigerant
- 

**Safe**  
(Better Protection)
  - Advanced Microprocessor Control

- 

**Reliable**  
(Higher Ambient Temperature)
  - Up to 52 °C

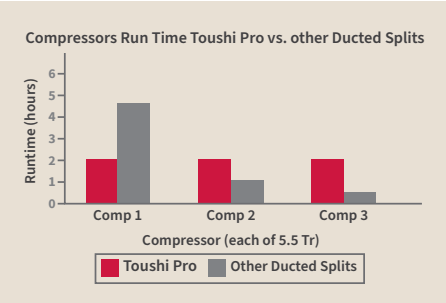
# More about Ductable air conditioners

## Tropical design

Designed for high ambient conditions, these units guarantee reliable operation even at 52°C outdoor air temperature. Apart from many other reliability tests, the units have been tested for ‘maximum overload’ condition at 52°C in our state-of-the-art test labs.

## Run time and equalisation of compressors

The inbuilt feature controls the run time of each compressor. The compressors are sequenced automatically so that the run hours of all compressors are equal. This ensures that no single compressor is subjected to extra wear and tear, thus ensuring longer life.



- Benefits**
- Ensures equal running life of compressors by uniform usage
  - Budget and monitor power consumption
  - Trouble-free operation due to less wear & tear



Scroll compressor

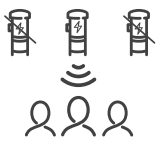
The Scroll Compressor used in the Toshi Pro unit is designed and engineered to deliver optimum cooling efficiency over the entire operating range. The simple internal suction and discharge valves enhance quieter operation, and considerably less moving parts of the unit ensure less wear and tear, which increases reliability when compared to conventional compressors. In addition, the scroll compressor provides better liquid handling capability, making an air conditioner more reliable.

Benefits

- High volumetric efficiency
- Low sound level and low vibration
- Unloaded start and smooth operation



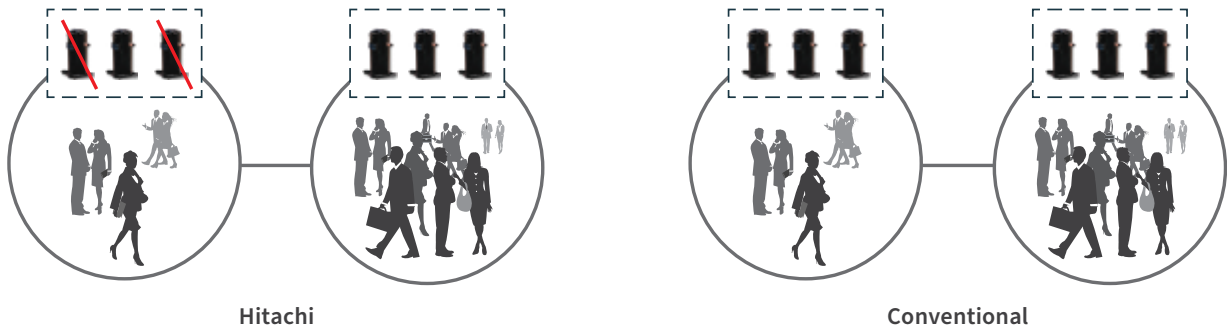
Part load operation of multiple compressors



When the room temperature is close to the set temperature, the microprocessor shuts off the compressors automatically in a phased manner.

- Energy saving
- Prevents redundancy in operation
- Improves life cycle and performance
- Maintains comfort and optimal cooling

**Benefit**  
Saves power to avoid overcooling, which directly saves the operating cost.



Phase starting of compressor



The microprocessor embedded in controller provides a delay between the start-up of compressors of the same machine.

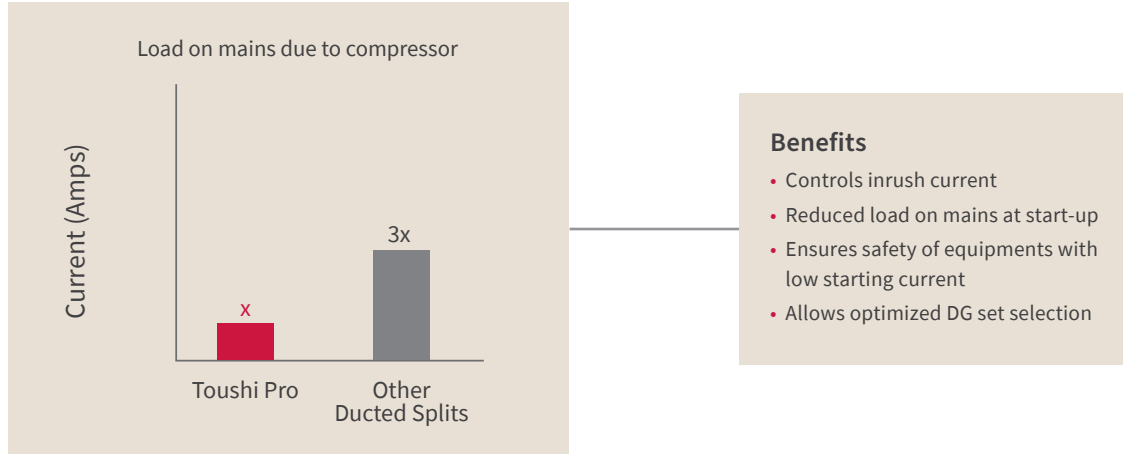


Illustration is for reference purpose with 7.5 TR multi-circuit ductable unit.

- Benefits**
- Controls inrush current
  - Reduced load on mains at start-up
  - Ensures safety of equipments with low starting current
  - Allows optimized DG set selection

Silent Operation



The unique blower housing with increased suction and discharge areas provides uniform airflow. The new two-piece volute design also minimizes air turbulence resulting in a quieter operation.





# Remote controller

Introducing new wireless remote controller along with standard wired controller.

### Key features:

- Seven segment display
- Wireless remote sensing\*
- Modes: Cool & Fan
- Room temperature setting 16° C to 30° C
- Room and set temperature display\*
- 12 hour off timer
- Self-diagnosis\*
- Manual compressor selection option in multi circuit unit\*
- Compressor run time indication\*



Wired Remote



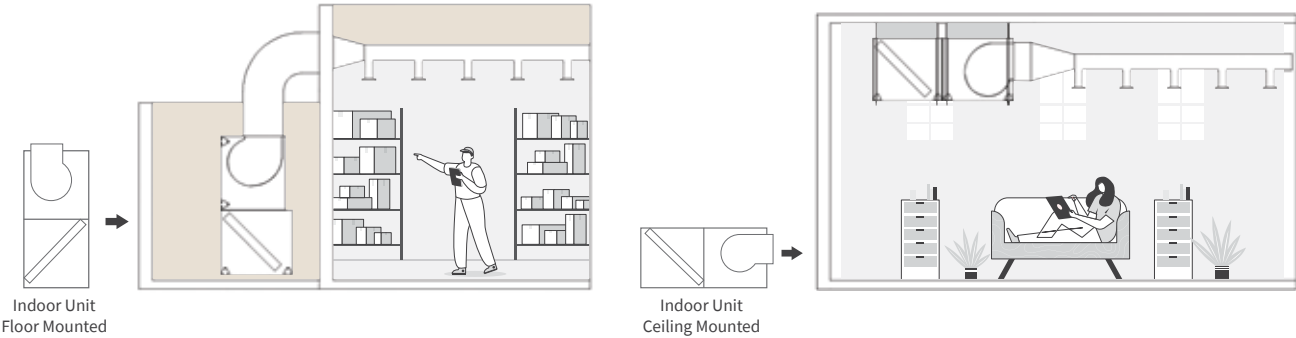
Wireless Remote

\* Applicable for wired Remote

# Flexibility in convertible IDU

Looking at the space constraints, the 15.1 TR unit of the Tousei Pro series has been specially designed with a convertible fan compartment and coil compartment. The same indoor unit can thus be used as floor mounted or ceiling suspended. The advantage of floor mounted installation is that there will be no trap door in the occupied area and maintenance can be done easily in separate room. This innovative design gives the flexibility of installation for better management of space.

- Benefits**
- Better space management
  - Flexibility of installation
  - Ease of service



# Control

airCloud Go

Wifi enabled AC

- Benefits**
- Now, control or monitor your Takumi Smart unit from anywhere with a smartphone or any other Android or iOS device.
  - With airCloud Go app, you can connect up to 20 units at different locations and operate them simultaneously.

### airCloud Go Mobile App\*



\*Hitachi recommends less than 20 air conditioners to be integrated in one mobile app.

### Voice Command Google Home & Amazon Alexa



### Voice Controlled Through Assistant



### Smart-Fence

Connect your AC to your geolocation with the Smart-Fence feature and enjoy the effortless benefits of scheduling AC on/off before you arrive/after you leave your space.

### Enabling Smart-Fence

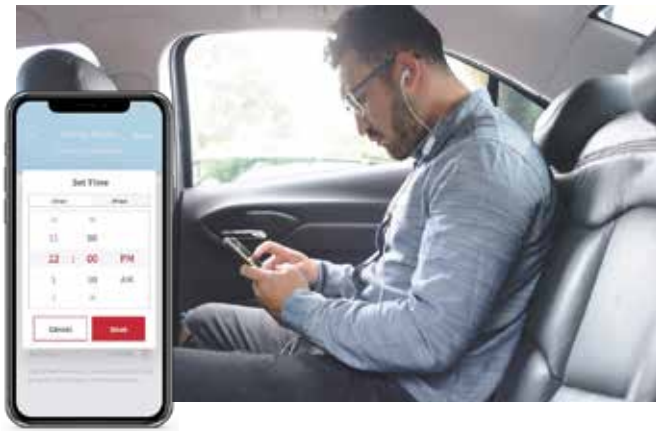
1. Set your Smart-Fence perimeter from 500m to 10km around your house.
2. Select your preferred behavior as you leave or enter your Smart-Fence perimeter.
3. Enjoy smarter air, from anywhere. Smart-Fence activation notifications will be sent to your phone and other pre-defined users automatically.
4. Adjust the temperature or reset Smart-Fence any time from your airCloud Go app.



**As you arrive home**  
Your air conditioner will automatically turn on, helping to create a comfortable and welcoming indoor climate.



**As you leave home**  
Your air conditioner will stop automatically or switch to a more economical preset temperature to save your energy.



## Plan to save energy

Save on your power bills.  
Easily schedule when your air conditioner is on.  
Eliminate unnecessary power usage while you are away, then set your air conditioner to automatically turn on when you get back.



## Controls made easy

Simplicity of an app  
airCloud Go is a user-friendly interface that lets you create comfort directly from your smartphone.

Download the airCloud Go app for free  
Visit: [hitachiaircon.com](http://hitachiaircon.com)

\* Applicable for only 8.5 and 11.0 TR Single circuit Scroll



## Indoor and Outdoor connectivity



The RS485 cable is used to ensure effective communication between indoor and outdoor units. The cable effectively delivers precise voltage signals between the units so that the machine can perform its functions effectively.

### Benefits

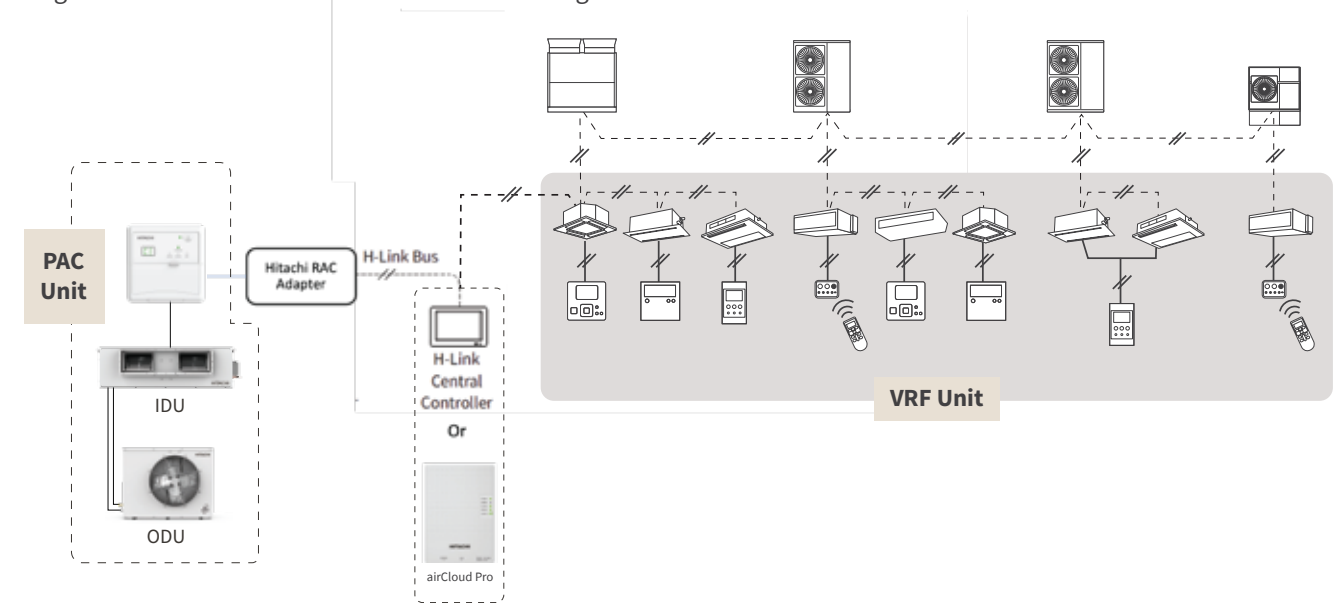
- Reduces risk of fire and electric shock
- Low maintenance cost
- Effective communication between IDU and ODU
- Low cable cost



## Connect with VRF\*!



In the new era of technology, connect your Takumi Smart to Hitachi's VRF system with H-Link. You can choose from our smart airCloud Pro WiFi-enabled controller or H-Link central controller to monitor, weekly schedule, lock, group control functions, and much more. Control and monitor the whole system together with much more convenience and a single controller.



\*When connecting Takumi Smart units with Hitachi VRF units on the same H-Link bus, some features like Energy Cost Estimation, Eco Genius will not be available for users as these features are exclusively supported for Hitachi VRF units only and should not be used on Takumi Smart units.

\*It is an optional feature, and the image is for illustration purposes only.

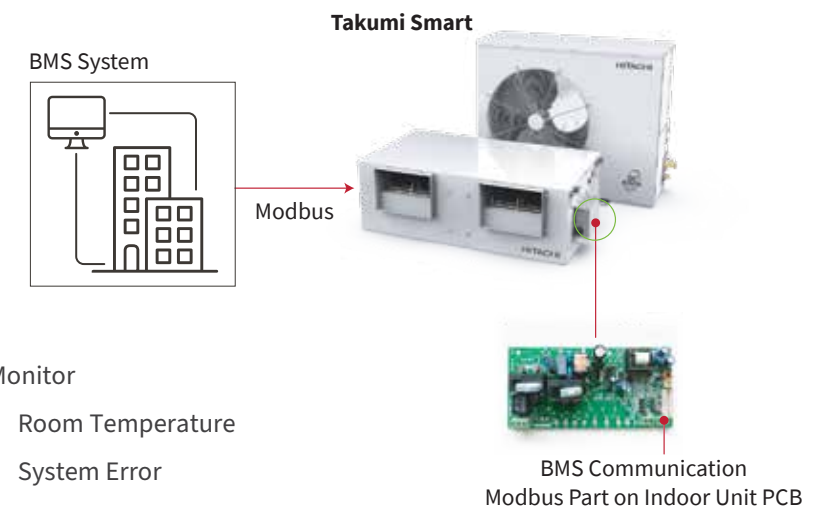
\* Applicable for only 8.5 and 11.0 TR Single circuit Scroll

## Integration through Building Management System\*



### Benefits

- Enhanced connectivity
- Precise control



- 7 Control and 2 Monitoring Parameters
  - Control & Monitor
    - ON/OFF
    - Set Temperature
    - Mode
    - Fan Speed
    - Timer ON/OFF
    - Set Temp. Lock
    - Emergency Shutdown
  - Monitor
    - Room Temperature
    - System Error
- Modbus Communication
- Up to 99 Units can be Connected
- Lock Function

\*It is an optional feature.  
The images are for representation purposes only.

\* Applicable for only 8.5 and 11.0 TR Single circuit Scroll

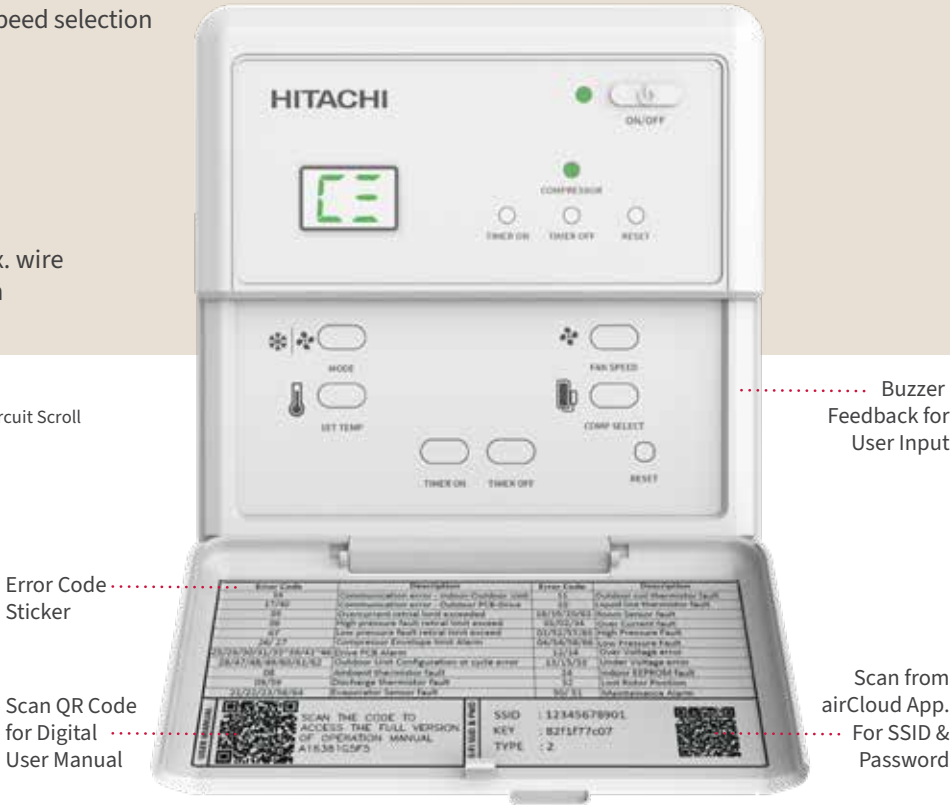


# Controller

## Wired Remote - airCloud Go enabled

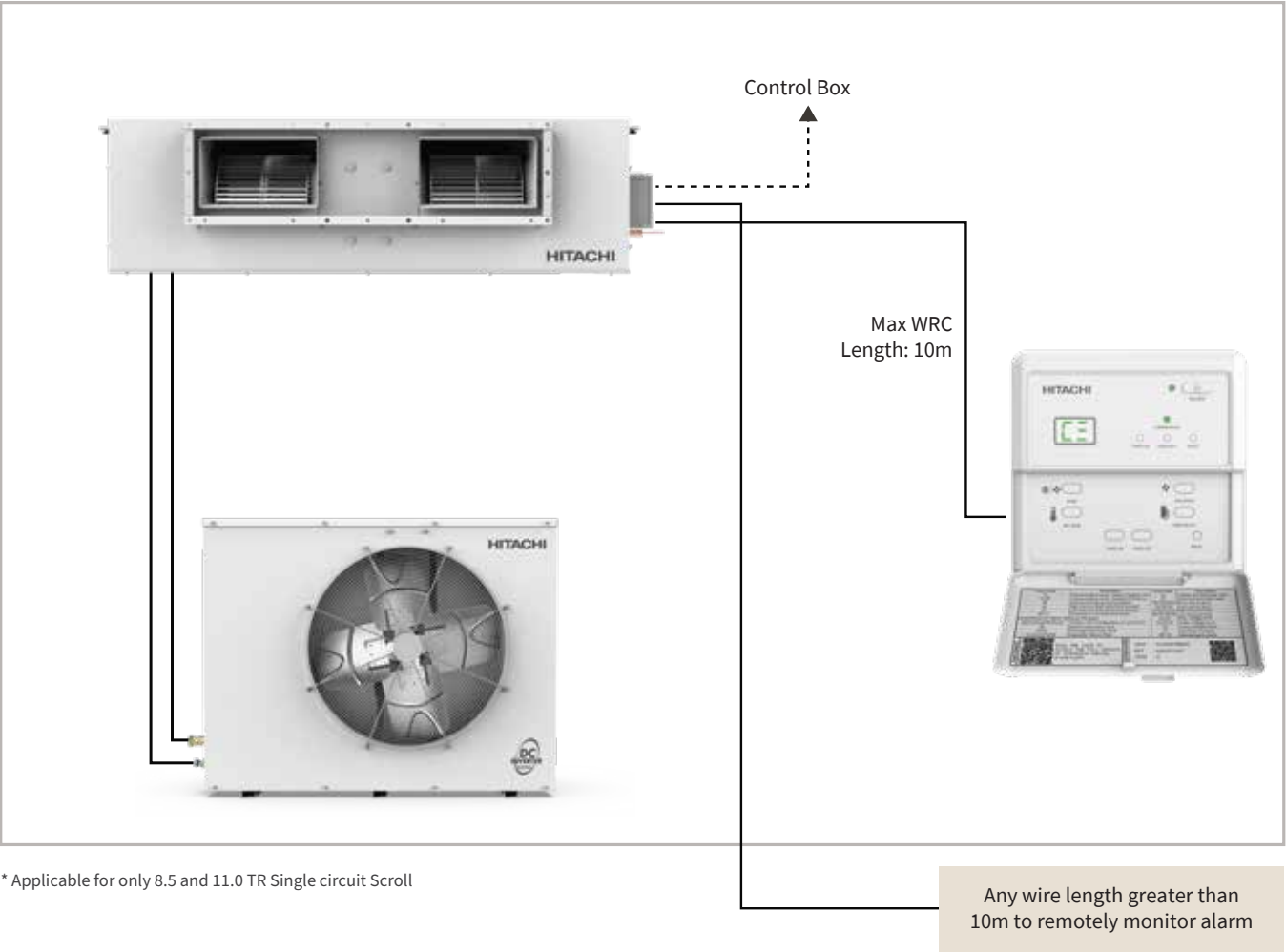
- Code display on screen for direct reference
- Mode, set temperature, fan speed selection
- Simple hourly On/Off Timer selection
- Unit, compressor, and Wifi status indication
- 7m wire length for WRC, max. wire length extendable up to 10m

\* Applicable for only 8.5 and 11.0 TR Single circuit Scroll



# Alarm Status Communication

Provision available on indoor controller to communicate unit alarm status for remote monitoring.



\* Applicable for only 8.5 and 11.0 TR Single circuit Scroll

## Wireless Remote



- Ease of access
- Backlit remote
- Access functions like AC switch ON/OFF, temperature increase/decrease, change mode, and fan speed change.

\*The features shown above may vary from model to model. Please refer manual for further information.

## Advanced microprocessor controller

Advanced microprocessor controller safeguards compressor from the following:

### Over Current/Overload

Over current and overload protection safeguard equipment from excessive current flow. This protection reduces the risk of premature failure and need for frequent replacements and thus ensures longevity of equipment.

### Over/Under Voltage

In case of voltage fluctuations beyond range, the voltage sensing module on the controller provides safety to the system by cutting off the operation of the compressor. The system will auto restart when the voltage levels are back to normal operating range.



Single Phase/Reverse Phase

Single phasing can cause overheating and can even damage the components while the Reverse phasing can lead to improper directional rotation of the motors. With single phase and reverse phase protection, reliability and safety of the system is ensured. System will auto restart once the fault is corrected or removed.

High/Low Pressure

High and low pressure protection systems provide real-time monitoring and early detection of abnormal pressure conditions. This proactive approach allows for swift corrective actions and minimizes downtime of the unit. The system will auto restart once the fault is corrected or removed.

Operational Safety

If the system goes in continuous overload/over current or high/low pressure fault for more than 3 successive retrials, the system will get locked for inspection/troubleshooting.

Benefits

- Low power consumption
- Increased life expectancy of unit
- Low maintenance cost

Factory charged refrigerant



Hitachi ductable unit has factory charged refrigerant. All units are tested in factory under standard quality parameters, which ensures best performance of the units when installed. All units are equipped with service valve, which provides pump down of refrigerant and hassle-free relocation of the unit. A proper refrigerant charge is essential for efficient operation of the air conditioning system.

Benefits

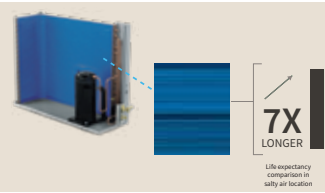
- Hassle-free relocation
- Reduces installation time
- Reduces error of incorrect refrigerant charge

Anti-corrosive condenser fin coating\*

The anti-corrosion blue fin treatment of the heat exchanger increases corrosion resistant property. It is especially effective in coastal and urban areas with more humidity and weather conditions that corrode the exposed heat exchanger faster.

Benefits

- Longer unit life.
- Blue fin have a 7 times higher salt spray resistant capacity in comparison to bare fin.



Specifications

Ductable air conditioner

Toushi Pro series: R410A

Model Category	Unit	3	5.5	8.5 (Single Circuit)	8.5 (Twin Circuit)	8.5 (Twin Circuit)
Model Name		PAG036SRHDDA3	PAG066SRHDDA3	PAG102SSHDDA3	PAG102SSHDDA3	PAG102SSHDA3Z1
Rated Cooling Capacity*	W	10551	17937	29895	29895	29895
Compressor Type	Type	Twin Rotary	Scroll	Scroll	Twin Robotory	Scroll
No.of Compressor	Nos	1	1	1	2	2
Air Flow	CFM	1200	2200	3400	3400	3400
ESP Rated	Pa	20	30	30	30	30
ESP Range	Pa	Up to 50	Up to 50	up to 80	up to 80	up to 80
Out Door Ambient Work ing Temp Range	°C	21 ~ 52	21 ~ 52	21 ~ 48	21 ~ 52	21 ~ 52
Power Supply		230V, 1Phase, 50 Hz.	400 V, 3Phase, 50Hz.	400 V, 3Phase, 50 Hz.	400 V, 3Phase, 50Hz.	400 V, 3Phase, 50Hz.
No. of IDU	Nos.	1	1	1	1	1
IDU Dimensions (W x H x D)	mm	1190 X 385 X 675	1190 X 385 X 675	1550 x 440 x 675	1550 x 440 x 675	1550 x 440 x 675
IDU Packing dimension (W x H x D)	mm	1350 X 430 X 790	1350 X 430 X 790	1761 x 585 x 810	1761 x 585 x 810	1761 x 585 x 810
IDU Weight (Net)	Kg	58	63	86	90	90
IDU Weight (Gross)	Kg	67	72	116	120	120
No. of ODU	Nos.	1	1	1	1	1
ODU Dimesnions (W x H x D)	mm	935 X 735 X 390	1110 X 905 X 395	1200 x 940 x 550	1200 x 940 x 550	1200 x 940 x 550
ODU Packing dimension (W x H x D)	mm	1045 X 870 X 530	1265 X 1050 X 500	1340 x 1040 x 647	1340 x 1040 x 647	1340 x 1040 x 647
ODU Weight (Net)	kg	72	95	155	151	151
ODU Weight (Gross)	kg	81	105	180	175	175
"Piping Diameter (Gas/Liquid)	mm	3/4" X 3/7"	7/8" X 1/2"	9/8" x 5/8"	7/8" X 1/2"	7/8" X 1/2"
Remote Type	-	Wired & Wireless	Wired & Wireless	Wired & Wireless	Wired & Wireless	Wired & Wireless

Model Category	Unit	11.0 (Single Circuit)	11.0 (Twin Circuit)	16.5 (Ceiling Suspended)	16.5 (Convertible)
Model Name		PAG127SSHDDA3	PAG120SSHDDA3Z1	PAG186SSHDDA3	PAG186SSHDDA3Z4
Rated Cooling Capacity*	W	37280	35170	53107	53107
Compressor Type	Type	Scroll	Scroll	Scroll	Scroll
No. of Compressor	Nos	1	2	3	3
Air Flow	CFM	4240	4000	5400	6350
ESP Rated	Pa	40	40	40	100
ESP Range	Pa	up tp 80	up tp 80	Up to 100	Up to 100
Out Door Ambient Work ing Temp Range	°C	21 ~ 48	21 ~ 52	21 ~ 52	21 ~ 52
Power Supply		400 V, 3Phase, 50 Hz.	400 V, 3Phase, 50 Hz.	400 V, 3Phase, 50 Hz.	400 V, 3Phase, 50 Hz.
No. of IDU	Nos.	1	1	1	1
IDU Dimensions (W x H x D)	mm	1690 x 480 x 750	1550 x 440 x 675	2040 X 550 X 1085	"Blower Unit: 1550 X 725 X 815 Coil Unit: 1550 X 725 X 815
IDU Packing dimension (W x H x D)	mm	1930 x 610 x 890	1761 x 585 x 810	2375 X 600 X 1260	"Blower Unit: 1740 X 840 X 935 Coil Unit: 1740 X 840 X 935
IDU Weight (Net)	Kg	105	105	192	"Blower Unit: 149 Coil Unit: 102
IDU Weight (Gross)	Kg	140	135	275	"Blower Unit: 185 Coil Unit: 137
No. of ODU	Nos.	1	2	3	3
ODU Dimesnions (W x H x D)	mm	1570 x 900 x 608	1110 X 905 X 395 (2nos)	1110 X 905 X 395 (X 3nos)	1110 X 905 X 395 (X 3nos)
ODU Packing dimension (W x H x D)	mm	1745 x 1035 x 745	1265 X 1050 X 500 (3nos.)	1265 X 1050 X 500 (3nos.)	1265 X 1050 X 500
ODU Weight (Net)	kg	210	95	95	95
ODU Weight (Gross)	kg	235	105	105	105
"Piping Diameter (Gas/Liquid)	mm	9/8" x 5/8"	7/8" X 1/2"	7/8" X 1/2"	7/8" X 1/2"
Remote Type	-	Wired & Wireless	Wired & Wireless	Wired & Wireless	Wired & Wireless

\*The anti-corrosive condenser fin coating is available in Toushi Pro ductable series only.



# Concealed split air conditioners



The indoor unit of Hitachi’s Concealed Split AC is installed in the ceiling which blends with the interiors, thereby giving it an unobtrusive look. Its technological and aesthetical design makes it fit for large showrooms, hotels, shops, resorts, offices with cubicles and rooms with low ceiling. It is designed to produce horizontal airflow to combat the problems of large rooms having odd sized cabins or half portions. The Concealed Split AC is also equipped with efficiently designed heat exchangers that maximize cooling and reduce power consumption.

## Unique characteristics

**Kaimin Mode\***

Undisturbed sleep with power saving technology which ensures you get sound sleep by raising 1° C per hour upto 4 hrs. Now, enjoy more comfort with advanced energy savings.

**Operating Mode**

5 modes of operation- Cool, Fan, Dry, Auto and Powerful, for customized cooling.

**Filter Clean Indicator**

It indicates when the requirement of filter cleaning arises to maintain the efficiency of the machine.

**High Ambient Design for 52° C Outdoor Air Temperature**

Optimum cooling capacity in tropical temperatures.

**On/Off Timer with Advanced Start-Up**

Desired comfort at desired time with scheduled start/stop function for better energy efficiency.

**Auto Restart**

When the power is restored, the AC restarts with the previous settings.

**Silent Cooling**

Enjoy peaceful cooling with optimum performance.

**Twin Rotary Compressor#**

Low vibration and noise levels.



Light Commercial range of Air Conditioners

## Concealed split air conditioner

### R410A

		INVERTER SERIES				FIXED SPEED SERIES	
		1.5	2.0	1.5	2.0	1.5	2.0
Model Category		1.5	2.0	1.5	2.0	1.5	2.0
Model Name		PAG018STHDEA	PAG024STHDEA	PAG018KVDA	PAG024KVDA	PAG018HVDA	PAG024HVDA
Rated Cooling Capacity* W		5000	7032	5276	6600	5276	6600
Compressor Type	Type	Rotary	Rotary	Rotary	Rotary	Rotary	Rotary
No. of Compressors	Nos.	1	1	1	1	1	1
ESP	Pa	10	10	10	10	10	10
Outdoor Ambient Working Tem. Range	°C	21 ~ 52	21 ~ 52	21 ~ 52	21 ~ 52	21 ~ 52	21 ~ 52
Power supply		230 V, 1Phase, 50 Hz.	230 V, 1Phase, 50 Hz.	230 V, 1Phase, 50 Hz.	230 V, 1Phase, 50 Hz.	230 V, 1Phase, 50 Hz.	230 V, 1Phase, 50 Hz.
Indoor Unit							
Model Name		PAH018STHDEA	PAH024STHDEA	PAH018HVDA	PAH024KVDA	PAH018HVDA	PAH024HVDA
No of IDU	Nos.	1	1	1	1	1	1
Airflow	CFM	600	800	600	800	600	800
IDU Dimesnions (W x H x D)	mm	1130 X 280 X 535	1130 X 280 X 535	1130 X 280 X 535	1130 X 280 X 535	1130 X 280 X 535	1130 X 280 X 535
IDU Packing dimension (W x H x D)	mm	1320 X 370 X 600	1320 X 370 X 600	1320 X 370 X 600	1320 X 370 X 600	1320 X 370 X 600	1320 X 370 X 600
IDU Weight (Net)	kg	31	32	31	32	31	32
IDU Weight (Gross)	kg	35	36	35	36	35	36
Outdoor Unit							
Model Name		PAO018HVDA	PAO024STHDEA	PAO018HVDA	PAO024KVDA	PAO018HVDA	PAO024HVDA
No of ODU	Nos.	1	1	1	1	1	1
ODU Dimesnions (W x H x D)	mm	750 X 548 X 280	792 X 600 X 290	792 X 600 X 290	792 X 600 X 290	792 X 600 X 290	792 X 600 X 290
ODU Dimesnions (W x H x D)	mm	930 X 602 X 410	957 X 650 X 413	957 X 650 X 413	957 X 650 X 413	957 X 650 X 413	957 X 650 X 413
ODU Weight (Net)	kg	28	41	41	45	41	45
ODU Weight (Gross)	kg	30	45	45	49	45	49
Piping Diameter (Gas/Liquid)	mm	1/2" x 1/4"	1/4" x 5/8"	1/4" x 5/8"	1/4" x 5/8"	1/4" x 5/8"	1/4" x 5/8"
Remote Type	-	Wireless Remocon	Wireless Remocon	Wired Remocon	Wired Remocon	Wireless Remocon	Wireless Remocon

\*Kaimin Mode is applicable only for Hitachi Wireless Concealed AC and in FSP wireless HAT Indoor. | #Twin Rotary Compressor is available with Hitachi Wired and Wireless models in 5.0 & 7.5 TR only.



# Flexi split air conditioners



Hitachi's Flexi Split Air Conditioners is an intelligent cooling solution that provides powerful performance while consuming less energy and space. As the name suggests, it offers flexibility to users to choose from the indoor units options as per the room/aesthetic requirements. Its single outdoor unit is capable of supporting up to 3 indoor units through independent circuits.

With all the advantages it offers, Hitachi's Flexi Split Air Conditioners is an ideal choice for light commercial applications like shops, showrooms, boutiques, hotels, resorts and more.

## Unique characteristics



**Control**  
• Individual remote with each IDU



**Flexibility**  
(Design Convenience)



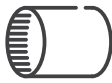
**Easy Maintenance**

## Line up

### Common features



Tropical Design



100% Copper



71 Quality Tests



### Cassette AC



On-off Timer



Sleep & Timer Control



### Hi wall



Wave Blade Design



Filter Clean Indicator



Soft Dry



### In-the-ceiling



On-off Timer With Advanced Start-up



Filter Clean Indicator



Auto Restart



Kaimin Mode\*

\* Kaimin Mode applicable only for FSP wireless HAT Indoor

## Flexi split air conditioner

### R410A

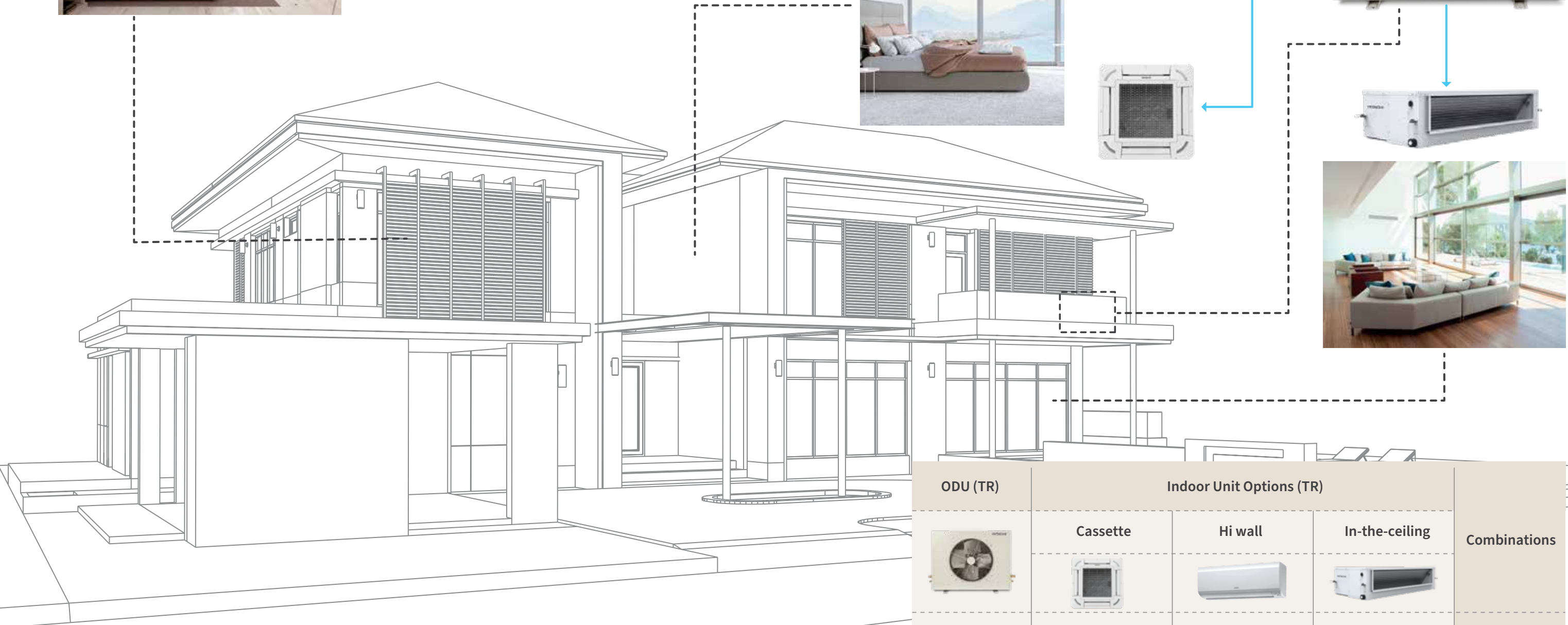
Tonnage	TR	3.0	4.0	5.0	7.5
Rated Cooling Capacity	BTU/Hr.	36000	48000	60000	90000
Compressor	Type	Rotary	Rotary	Twin Rotary	Twin Rotary
No. of Compressors	Nos.	2	2	2	3
No. of IDU	Nos.	2	2	2	3
Outdoor Unit					
No. of ODU	Nos.	1	1	1	1
Rated Power Supply	V/Hz/P	230/50/1	230/50/1	400/50/3	400/50/3
No. of Fans	Nos.	1	1	1	1
Dimension (WxHxD)	mm	950 x 740 x 460	950 x 740 x 460	1100 x 905 x 395	1200 x 940 x 550
Net weight	kg	87	93	100	153
Piping Diameter (Gas/Liquid)	inch	5/8" & 1/4"	5/8" & 1/4"	5/8" & 3/8"	5/8" & 3/8"

Indoor unit		Concealed Type			Hi-Wall Type		Cassette Type	
Tonnage	TR	1.5	2.0	2.5	1.5	2.0	1.5	2.0
Rated Cooling Capacity	BTU/Hr.	18000	24000	30000	18000	24000	18000	24000
Rated Power Supply	V/Hz/P	230/50/1	230/50/1	230/50/1	230/50/1	230/50/1	230/50/1	230/50/1
Air Flow	CFM	650	800	1000	600	650	550	550
Dimension (WxHxD)	mm	1130 x 280 x 535	1130 x 280 x 535	1130 x 280 x 535	968 x 294 x 240	997 x 294 x 253	570 x 260 x 570	570 x 260 x 570
Net weight	kg	31	32	32	11.9	13	19	19

Notes : \*Given performance data as per IS-8148 Standard.



# Innovative cooling solutions for light commercial applications



Note:  
This is a visual representation of a Hitachi Flexi Split (FSP) Air Conditioner installed in a residential space like a villa.

ODU (TR)	Indoor Unit Options (TR)			
	Cassette	Hi wall	In-the-ceiling	Combinations
3	1.5	1.5	1.5	ANY 2
4	2	2	2	ANY 2
5	-	-	2.5	ANY 2
7.5	-	-	2.5	ANY 3

The product line-up and availability may vary from the table shown above.



# Cassette air conditioners



## Unique characteristics



100% Inner Grooved  
Copper Tube  
Inner grooved copper tubes for  
better heat exchange



71 Quality Tests  
71 quality tests to ensure only  
the best quality product is  
delivered to you



Remote Control  
One touch handy operation to  
have access from anywhere in  
the room



Auto Restart Function  
Automatic restart function for  
increased comfort and safety



Sleep & Timer  
Control

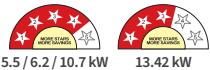


Dry Mode



Tropical  
Design

### CASSETTE AC INVERTER SERIES



Expandable Inverter  
Air Conditioners



Sleep & Timer  
Control



Dry Mode

### CASSETTE AC FIXED SPEED SERIES



Tropical Design

Notes : \*Given performance data as per IS-8148 Standard.



# Specifications

## Cassette air conditioner

	DESCRIPTION	UNIT	INVERTER SERIES			
	Model Number		RAG418HGEOO	RAG422HGEOO	RAG436HGEOO	RAG348HGEOO
Details	Star Rating*		4	4	4	3
	Compressor	Type / Refrigerant	Twin Rotary / R32	Twin Rotary / R32	Twin Rotary / R32	Twin Rotary / R32
Performance	Rated Cooling Capacity (100% load)	BTU / Hr	18595	21154	36508	45789
	Rated Cooling Capacity (100% load)	Watts	5450	6200	10700	13420
	Maximum Cooling Capacity	BTU/Hr	19642	22903	37614	46233
	Maximum Cooling Capacity	Watts	5757	6712	11024	13550
	Rated ISEER		4.6	4.6	3.5	3.8
	Annual Power Consumption (As per BEE norms) (kWh)		918	1043	2180	2972
	Fan Speed	No. of Steps	4	4	4	4
	Air Flow (IDU) (Cooling)	CFM (HIGH)	718	753	1235	1235
	Sound Level **	dBA (L)	41	41	49	49
Electrical	Rated Power Input - Cooling	Watts	1540	1745	3600	4900
	Rated Power Supply	Volts / Hz / Phase	230 / 50 / 1	230 / 50 / 1	230 / 50 / 1	230 / 50 / 1
	Rated Current Drawn	Amps	7.1	8	16.5	22.4
Advanced Features	Suction Line Diameter	Inches (mm)	1/2" (12.7)	5/8" (15.88)	5/8" (15.88)	5/8" (15.88)
	Liquid Line Diameter	Inches (mm)	1/4" (6.35)	1/4" (6.35)	3/8" (9.52)	3/8" (9.52)
	Remocon	Type	LCD Cordless	LCD Cordless	LCD Cordless	LCD Cordless
	Expandable		✓	✓	✓	✓
	Sleep & Timer Control		✓	✓	✓	✓
	On / Off Timer		✓	✓	✓	✓
	Dry Mode		✓	✓	✓	✓
	Energy Saver Mode		✓	✓	✓	✓
	Auto Restart		✓	✓	✓	✓
	Tropical Design###		✓	✓	✓	✓
Dimension	Dimension (IDU) (WxHxD)	mm	845x245x845	845x245x845	845x290x845	845x290x845
	Dimension (ODU) (WxHxD)	mm	781x555x281	781x555x281	850x684x310	1032x791x383
	Dimension (Panel) (WxHxD)	mm	950x52x950	950x52x950	950x52x950	950x52x950
	Net Weight-IDU / ODU	Kg	23/27	24/28	26/42	26/64

**Notes:**  
- Cooling capacity is based on: indoor temp. 27°C DB, 19°C WB; outdoor temp. 35°C DB, at a standard piping length of 5m.  
- Features may vary from model to model.  
- Images of Remote & Indoor Unit units are just for representation purposes only; the actual product appearance may vary from model to model.  
- Due to continuous research & development, specifications, features, and looks may change without prior notice.  
# Star rating mentioned as per BEE norms of 2023. Rated capacities above 10500W up to and including 18000W follow the LCAC star rating.  
## Sound level measured as per standard test conditions at the lowest fan speed.  
### Hitachi Cassette Inverter ACs are designed to work at ambient temperatures up to 48°C.

## Cassette air conditioner

	DESCRIPTION	UNIT	FIXED SPEED SERIES			
	Model Number		RAG318HGDOQ	RAG222HGDOQ	RAG136HGDA3Q	RAG148HGDA3Q
Details	Star Rating*		3	2	1	1
	Compressor	Type / Refrigerant	Rotary / R32	Rotary / R32	Twin Rotary / R410A	Twin Rotary / R410A
Performance	Rated Cooling Capacity (100% load)	BTU / Hr	18425	21496	35983	45789
	Rated Cooling Capacity (100% load)	Watts	5400	6300	10546	13420
	Maximum Cooling Capacity	BTU/Hr	-	-	-	-
	Maximum Cooling Capacity	Watts	-	-	-	-
	Rated ISEER		3.94	3.64	2.88	2.92
	Annual Power Consumption (As per BEE norms) (kWh)		1061	1339	2836	3561
	Fan Speed	No. of Steps	4	4	4	4
	Air Flow (IDU) (Cooling)	CFM (HIGH)	765	795	1235	1235
	Sound Level **	dBA (L)	43	43	49	49
Electrical	Rated Power Input - Cooling	Watts	1370	1730	3664	4600
	Rated Power Supply	Volts / Hz / Phase	230 / 50 / 1	230 / 50 / 1	400 / 50 / 3	400 / 50 / 3
	Rated Current Drawn	Amps	6.3	7.9	5.58 / Phase	6.98 / Phase
Advanced Features	Piping Diameter (Gas/Liquid)	inch	1/2" x 1/4"	1/2" x 1/4"	3/4" x 3/8"	3/4" x 3/8"
	Remote	Type	Wireless	Wireless	Wireless	Wireless
	Expandable		-	-	-	-
	Sleep & Timer Control		✓	✓	✓	✓
	On / Off Timer		✓	✓	✓	✓
	Dry Mode		✓	✓	✓	✓
	Energy Saver Mode		✓	✓	✓	✓
	Auto Restart		✓	✓	✓	✓
	Tropical Design***		✓	✓	✓	✓
Dimension	Dimension (IDU) (WxHxD)	mm	845x245x845	845x245x845	845x290x845	845x290x845
	Dimension (ODU) (WxHxD)	mm	792x600x299	792x600x299	935x735x390	935x735x390
	Dimension (Panel) (WxHxD)	mm	950x52x950	950x52x950	950x52x950	950x52x950
	Net Weight-IDU / ODU	kg	22/42	24/43	26/72	26/80

**Notes:**  
- Cooling capacity is based on: indoor temp. 27°C DB, 19°C WB; outdoor temp. 35°C DB, at standard piping length of 5m.  
- Features may vary from model to model.  
- Images of Remote & Indoor Unit units are just for representation purposes only; the actual product appearance may vary from model to model.  
- Due to continuous research & development, specifications, features and looks may change without prior notice.  
# Star rating mentioned as per BEE norms of 2023. Rated capacities above 10500W up to and including 18000W follow the LCAC star rating.  
## Sound level measured as per standard test conditions at the lowest fan speed.  
\*\*\* Hitachi Cassette Fixed Speed AC is designed to work in ambient temperatures up to 52°C.