

HITACHI

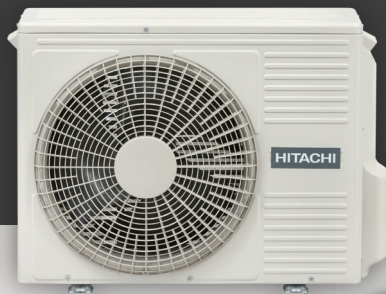
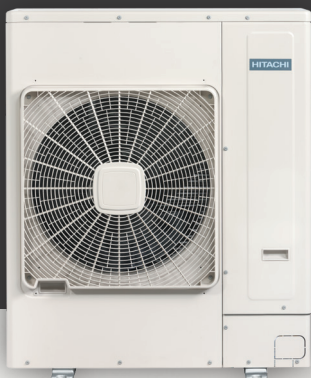
Prime series

Infinite combinations from
MONO to QUADRI & Multiroom

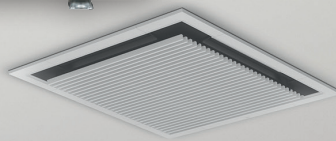
R32
REFRIGERANT

R410A
REFRIGERANT

MONO - TWIN - TRIPLE - QUADRI & Multiroom
7 to 14kW



Cooling & Heating





Prime series introduction

Prime series have arrived to provide the optimum solution for your tertiary applications. It can deliver the best solution whether you have a single room, a large open space or several rooms with different temperature requirements.

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Flexibility for your tertiary applications

Prime series is an exclusive solution, offering until now an unseen combination of benefits for your tertiary applications:

- High performance levels
- Limitless indoor unit combinations
- Long piping lengths and available to be installed indoors.

Can fit in any of your tertiary applications, whatever the requisites might be.



5
KEYS

REFRIGERANT

Available in R32 and R410a versions

Use environment friendly option or follow local regulations

EFFICIENCY

2 efficiency levels

Use Utopia Prime for high efficient installations, use IVX Prime for state of the art performance

INDOORS

Wide indoor range

All System Free VRF indoor range is available with Prime series. No limit in combinations (type and size)

CONTROLS

Wide control range

Prime series is compatible with all H-Link controllers, from individual to centralized and BMS gateways

MONO-MULTI

Monozone and multizone

Prime is best fit for monozone applications (mono, twin, triple & quad), but also for multiroom applications (IVX Prime, up to 4 rooms)



Prime key figures.

3HP to 6HP

Wide capacity range available in both monophase and triphase for a perfect fit.

SEER up to **8.35**, SCOP up to **7.45**

Capacity ratio from 90% to 115%

Prime series allows you the flexibility to have up to 115% capacity ratio where all the indoor units are rarely used simultaneously.

85m piping length

It adapts to your business layout, with up 85m of total piping runs and up to 30m height between outdoor unit and indoor units.

30Pa static pressure

Cassette, ducted, ceiling, floor, wall... all System Free indoor unit range at your service for a perfect fit!

Heating mode from **-20°C**
Cooling mode from **-15°C**

Wide operation range, Prime series will provide comfort to your business whatever your location climate is.

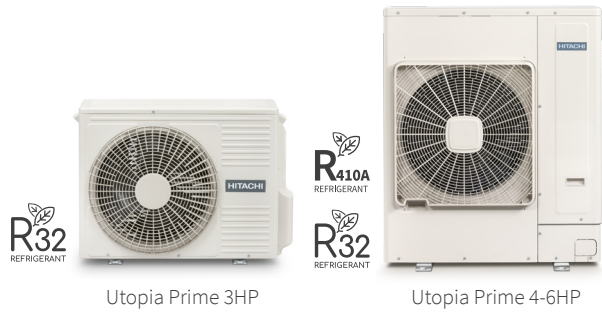
More than 60 indoor units to choose from

Select from our System Free range all kind of direct expansion units: ducteds (low profile, mid, high ESP), cassette (1 way, 2 way, 4 way, minicassette), floor, ceiling, wall mounted. Ventilation units are also at your ease, entalpic ventilators, both active and passive, are compatible with Prime outdoor series.

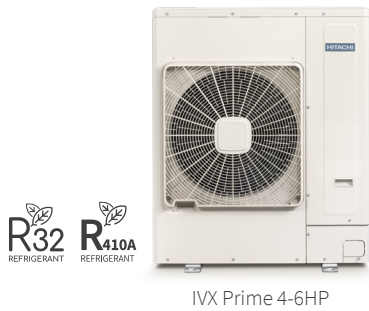
1 to 4 rooms

Prime series are flexible enough to fit in single room applications (e.g small shop), large open spaces (e.g. medium size retail shop) or even multiroom application (4 small rooms).

Utopia	Prime series	3HP	4HP	5HP	6HP
R32	Monophase	•	•	•	•
	Triphase		•	•	•
R410a	Monophase		•	•	•
	Triphase		•	•	•



IVX	Prime series	3HP	4HP	5HP	6HP
R32	Monophase		•	•	•
	Triphase		•	•	•
R410a	Monophase		•	•	•
	Triphase		•	•	•



Prime series: best fit for each application

Not all tertiary applications are having same needs, so it is difficult being able to address all kind of installations with one product series.

1

One room

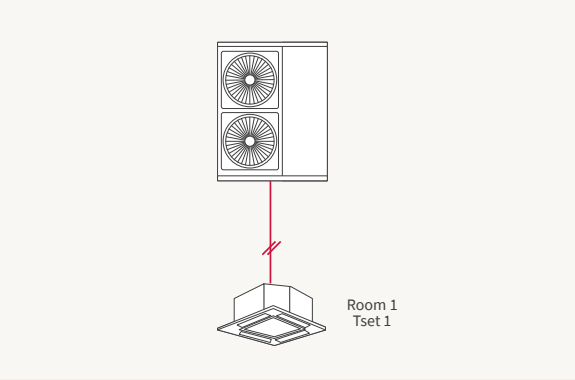
User requirements

Homogeneous and steady temperature in a medium to big room size.



Recommended installation type

Monosplit installation one indoor unit can provide cooling and heating for the whole room:



Product recommendation

Monosplit **Utopia Prime** installation.

Benefits for this installation type and product selection

- Comfort can be guaranteed with a simple monosplit installation.
- Utopia Prime capacity can provide cooling and heating to the whole room.
- Most cost efficient installation nosplit Utopia Prime installation.

2

One large open space

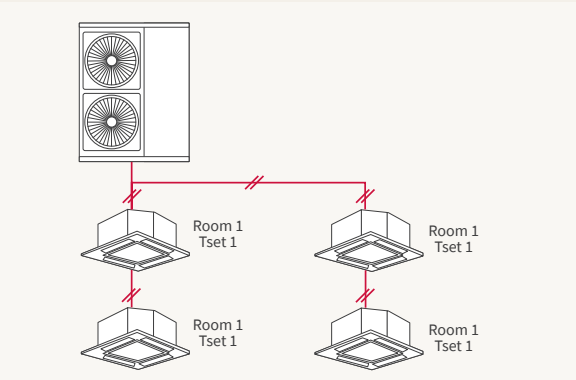
User requirements

Homogeneous and steady temperature in a large open space. Area to consider is larger than in case 1. Efficiency and installation cost are a priority.



Recommended installation type

Twin, triple or Quad installation (simultaneous control). More than one indoor unit is needed to guarantee temperature homogeneity across the space:



Product recommendation

Simultaenous Utopia Prime installation (for energy savings and cost efficiency). All indoor units are connected to the same outdoor unit, all of them operate in the same mode and switch ON and OFF simultaneously.

Benefits for this installation type and product selection

- Air distribution is guaranteed due to several Indoor units distributed in the space.
 - Temperature stabilization and homogeneity are guaranteed due to simultaneous operation of all indoor units.
 - It is the most cost efficient installation type compared to other alternatives (several monosplit sets, mini VRF).
- It is the most energy efficient solution as indoor units will switch on when all of them have load demand.

Prime series are the solution to this constraint: it's flexibility will give you the appropriate product selection to cover your needs with optimum comfort and performance.

2

One large open space

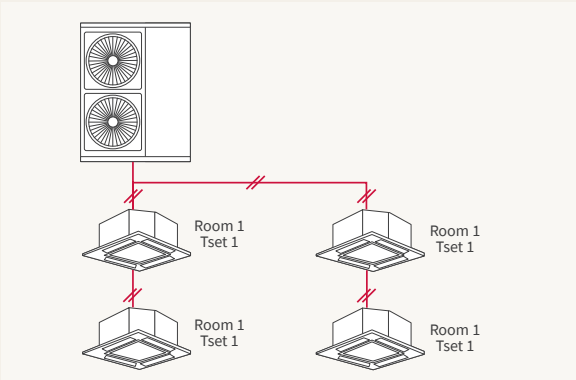
User requirements

Homogeneous and steady temperature in a large open space. Area to consider is larger than in case 1. Comfort is a key priority.



Recommended installation type

Twin, triple or Quad installation (simultaneous control). More than one indoor unit is needed to guarantee temperature homogeneity across the space:



Product recommendation

Group control IVX Prime installation (for comfort enhancement). All indoor units are connected to a same remote and have same target temperature settings.

Benefits for this installation type and product selection

- Air distribution is guaranteed due to several Indoor units distributed in the space.
- Temperature control of each area of the space is accurately managed with precisión as every indoor unit can switch ON/OFF independently. Temperature is constant all across the space as all indoor units share same temperature target
- Total capacity ratio for the Indoor units can be higher than the outdoor unit capacity, so they can provide bigger capacity at one exact are a when locally and punctually needed.
- Excellent choice for large open spaces with heterogeneous internal load.

3

Several independant rooms

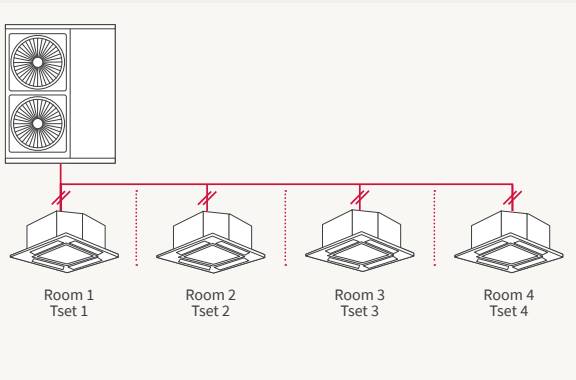
User requirements

Homogeneous and steady temperature in a large open space. Area to consider is larger than in case 1. Comfort is a key priority.



Recommended installation type

Multisplit independent control installation:



Product recommendation

Independent control IVX Prime installation. All indoor units are connected to an independent remote and have different target temperature settings.

Benefits for this installation type and product selection

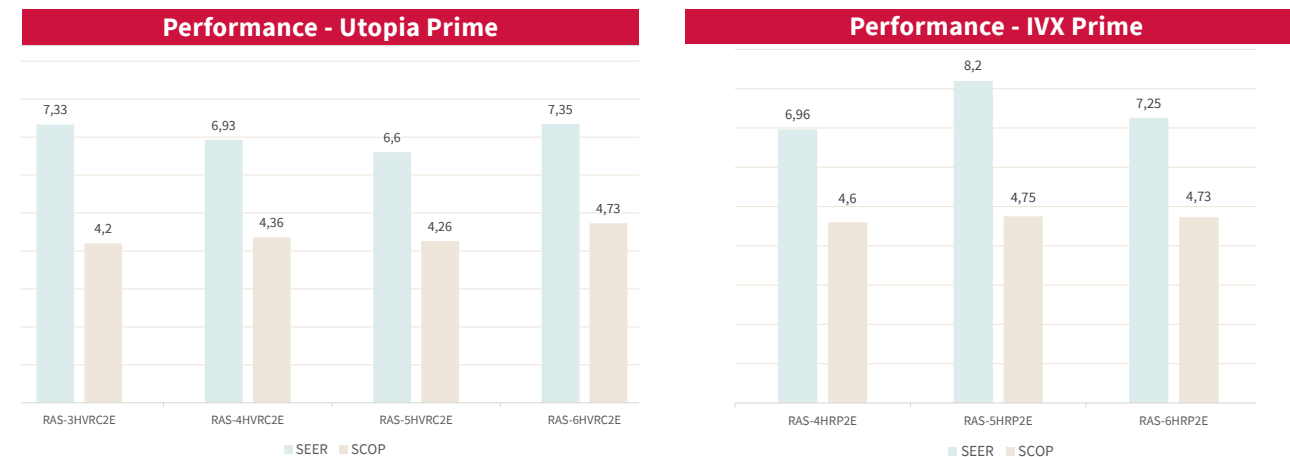
- Comfort is guaranteed at each of the rooms as every indoor unit can switch on/off independently and can have different temperature settings.
- It is a more cost efficient solution than conventional mini VRF found at the market.

Features & benefits

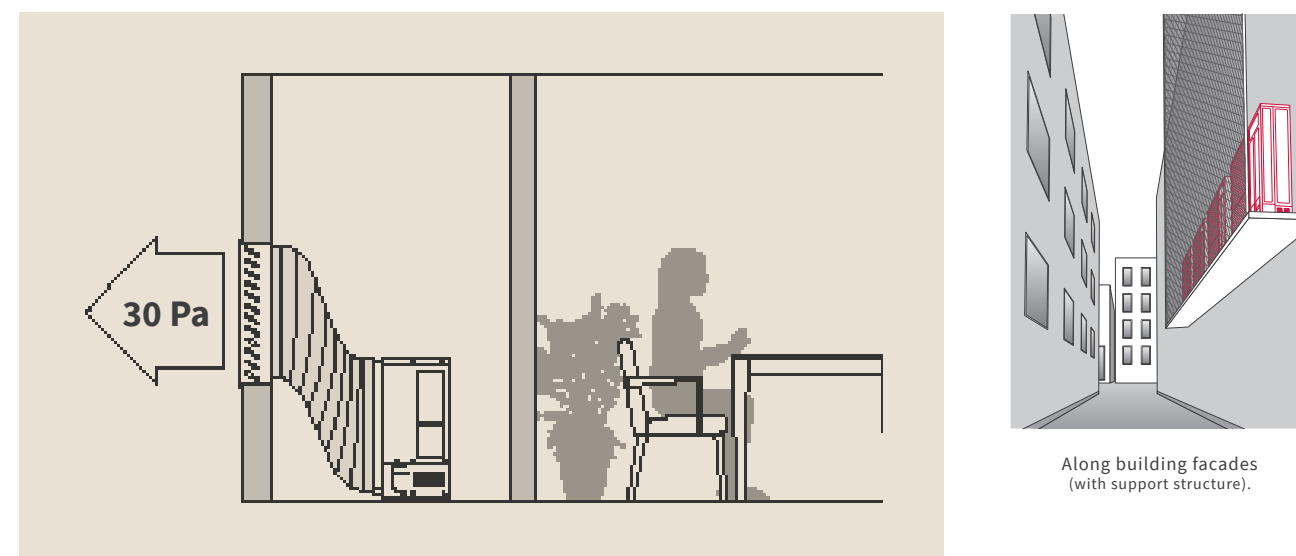
Performance and reliability.

SUPERB EFFICIENCY

- Both Utopia and IVX Prime are presenting outstanding efficiency levels all across all indoor types and capacities. If energy saving is a priority for you, then Prime is your choice.



INSTALLATION FLEXIBILITY

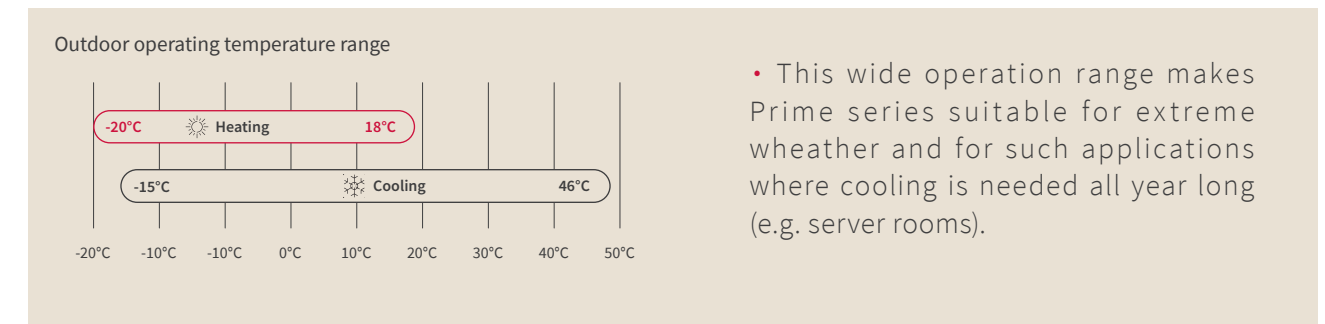


UNIQUE! The new Prime series has a static pressure of 30Pa, which makes it possible to duct the air discharge. This allows installation indoors or behind a grille.

Single fan outdoor units guarantee noise discretion across the entire range.

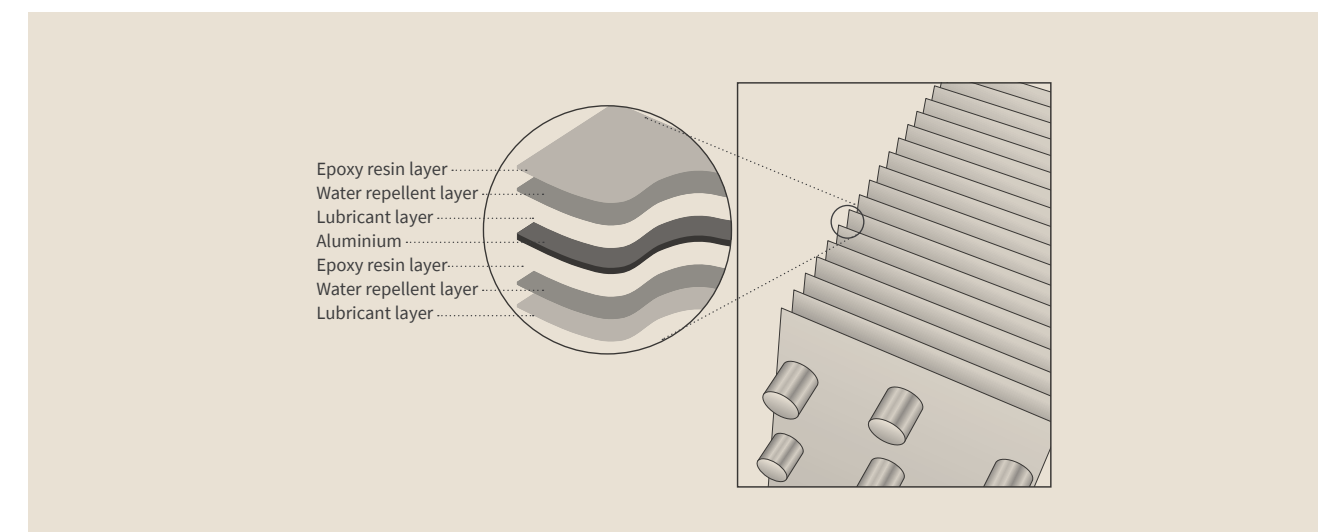
FOR ALL CLIMATES

- Utopia Prime maintains its operation at extreme temperatures: up to -20 ° C in heating and from -15 ° C to 46 ° C cooling mode (-5 ° C to 46 ° C on for IVX Prime). Its characteristics make it a product for optimal comfort all year.



REINFORCED ANTI-CORROSION TREATMENT

- Thanks to its triple treatment, Prime series offers the best protection for an installation in aggressive environments.



STATE OF THE ART INDOOR UNIT RANGE

Not only superb outdoor range but also great indoors are compatible to be used with Prime series. Choose within the wide System Free range, including the novelties for this 2021:

SILENT ICONIC™ PANEL NEW



Silent-Iconic™
Black



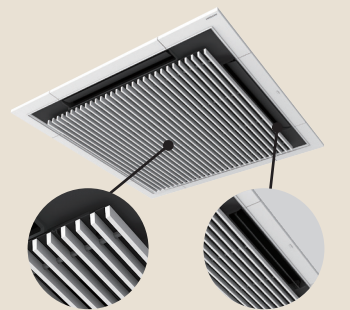
Silent-Iconic™
White



Discover
Silent-Iconic™

Unique design with perfect integration in your space

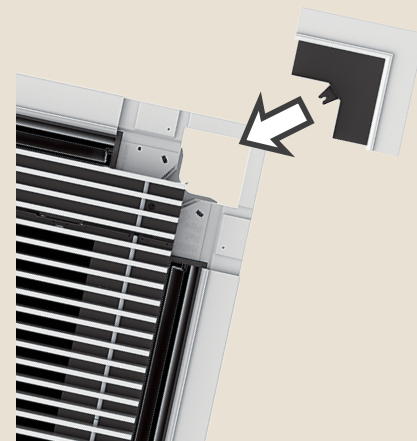
It is designed to harmonize with the space by placing the return flaps in the center and reducing its visibility thanks to the darkening of the grille.



Air intake grille
Air outlets barely visible
due to integrative design.

Easy installation

Thanks to the sliding corners, fixing is simple, you just have to add the screwstanks to the darkening of the grille.



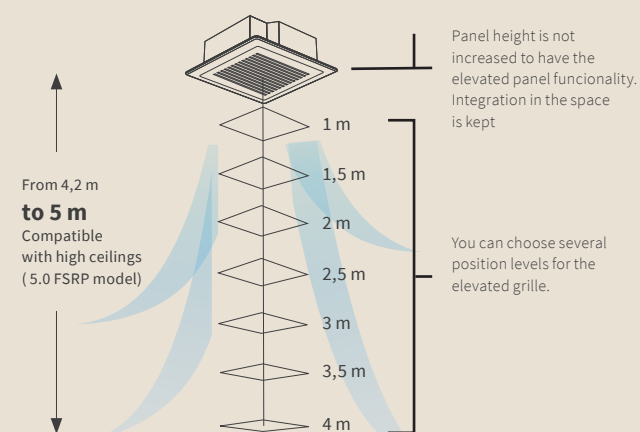
Designed to fit in harmony with ceiling surface

By leaving a small space between the facade and the ceiling, you will observe a visual effect of "lightness" and a more great harmony with the surface of the ceiling.



Easy to clean filter

The filter is easy to clean using the elevated grille panel. The lowering distance can reach 4m, and this way the Silent Iconic panel can be accessed easily even in rooms with high ceilings.

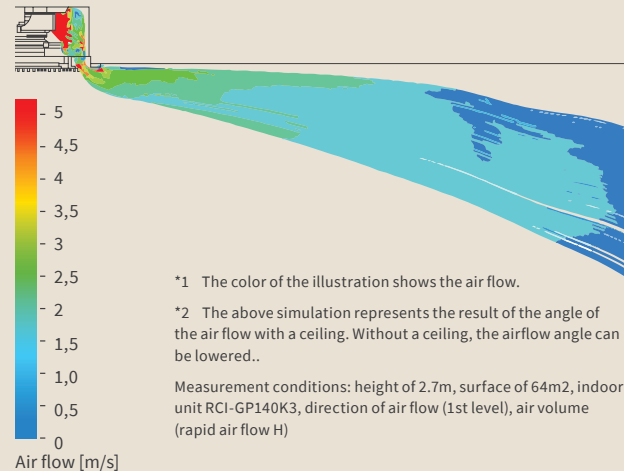


Panel height is not increased to have the elevated panel functionality. Integration in the space is kept

You can choose several position levels for the elevated grille.

Guaranteed comfort

The completely new design of the facade shutters and the shaped air outlets improve the Coanda effect, which translates into a significant improvement in user comfort avoiding the direct impact of cold air circulation.



STATE OF THE ART INDOOR UNIT RANGE

New FSR ducted range is compatible with EasyZone zoning solutions from Airzone. Check monozone pages (52-53) for details on compatible accessories.

FSR DUCTED NEW



Low silhouette ducted
RPIL-0.4~1.5FSRE
19.7 mm height
100 Pa - 2,0 to 4 kW



Mid static pressure ducted
RPI-1.5~6.0FSRE
24 cm height
150 Pa - 4 to 16 kW



High static pressure ducted
RPIH-4.0~6.0FSRE
200 Pa - 11 to 16 kW

- Built-in condensate pump (disconnectable for low silhouette range)
- Filter accessible from below or from the right side

- Low height: 197 mm (low silhouette)
- Refrigeration connections rear
- Electrical box (can be deported).
- Air intake from the rear or from below (optional)

- Low noise
- Compatible with:



WIDE CONTROL RANGE

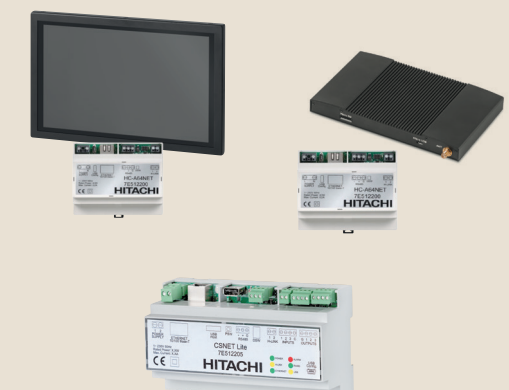
Choose the control that better fits your needs among all our H-Link controllers range. Individual or centralized controllers, touch screens, remote access... The controller you need is available for you.

AIRCLOUD PRO



Easiest to use central remote controller. You can use it from your PC, mobile or tablet, via a dedicated app. Control your business easily.

CSNET MANAGER 2 (2.0 version)



Best and most comprehensive central controller range from Hitachi. Choose its lite or full version, with or without screen, from 64 indoor units.

Features & benefits

Flexibility: meet your project requirements.

			0.8HP	1HP	1.5HP
Mini cassette 600 x 600	RCIM-FSRE		●	●	●
Cassette 800 x 800	RCI-FSRE			● ¹	● ¹
2 way cassette	RCD-FSR		●	●	●
Low silhouette ducted	RPIL-FSRE		●	●	●
Medium static pressure (150 Pa)	RPI-FSRE				●
High static pressure (200 Pa)	RPIH-FSRE				
Wall mounted	RPK- (H)FSRM RPK- FSRM		●	●	●
Console	RPK- FSRM RPF-FSN2E			Only R410 ²	Only R410A ²
Ceiling	RPFI-FSN2E				●

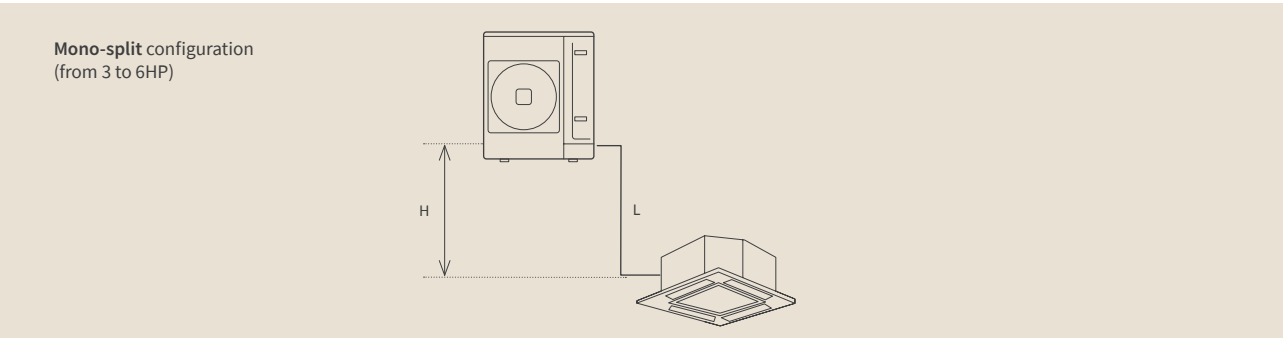
WIDE INDOOR UNIT RANGE

2HP	2.5HP	3HP	4HP	5HP	6HP
●	●				
● ¹	● ¹	● ¹	● ¹	● ¹	● ¹
●	●	●	●	●	●
●	●	●	●	●	●
			●	●	●
●	●	●	●		
Only R410A ²	Only R410A ²				
●	●	●	●	●	●

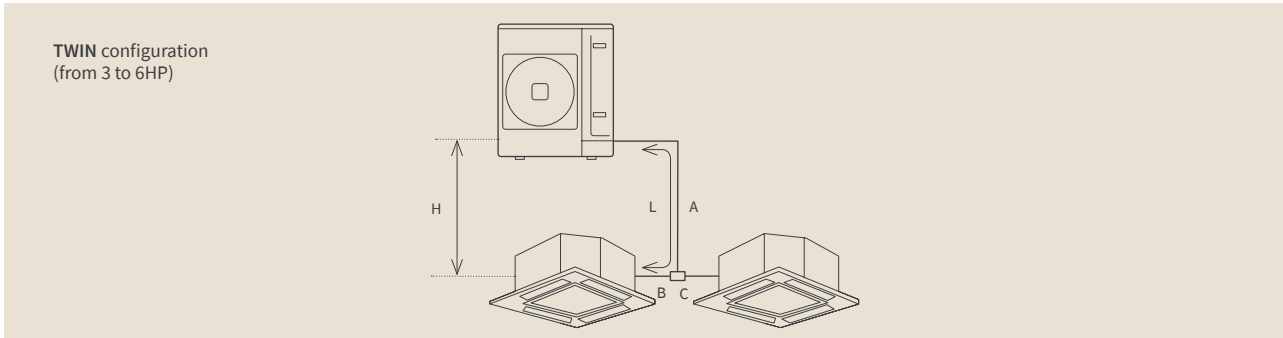
¹ In case of connection with 6HP OU: only twin combination is allowed for RCI cassette.
² Can only be used in combination with other IU types.

GREAT PIPING FLEXIBILITY

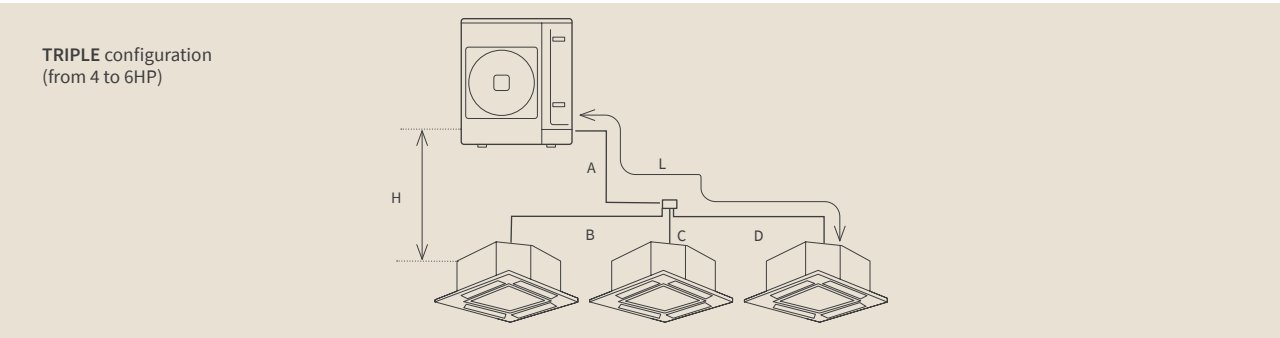
Suitable for a medium-size buildings or complex facilities.
Leads to cost & time saving for designers, with improved system design efficiency.



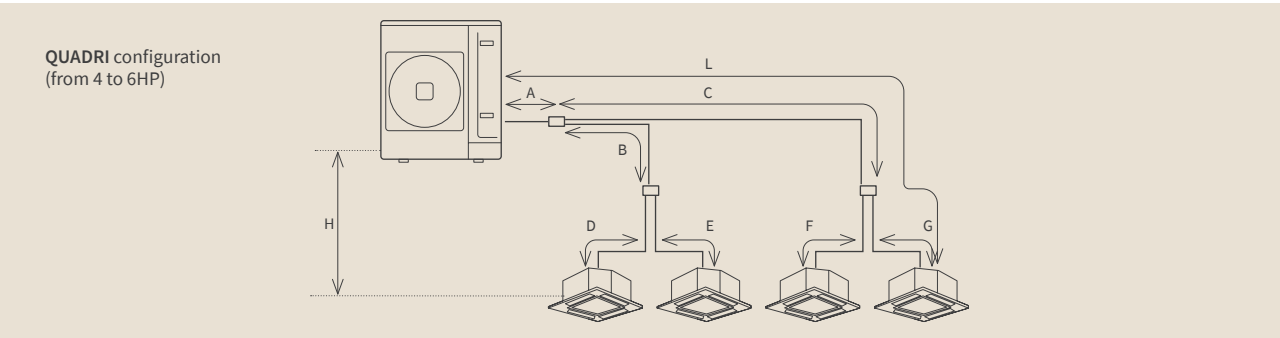
		Outdoor unit	
		3HP	4-6HP
Total piping length	Actual length (L)	m	50
	Equivalent length (EL)	m	70
Maximum height difference, Outdoor / Indoor (H) (Outdoor Unit is higher / lower)		m	30/20
Piping diameters	Gas		5/8"
	Liquid		3/8"



				Outdoor unit		
				3HP	4-6HP	
Maximum piping length between the outdoor unit and the farthest indoor unit			Actual length (L)	m	50	75
			Equivalent length (EL)	m	70	95
Total piping length			A+B+C	m	50	85
Maximum length difference of the several branches:			B-C	m	< 8	< 10
Maximum piping line after first branch			B,C	m	15	15
Maximum height difference, Outdoor / Indoor (H) (Outdoor Unit is higher / lower)				m	30/20	
Maximum height difference Indoor / Indoor				m	3	
Piping diameters	A	Gas			5/8"	
		Liquid			3/8"	
	B,C	≤ 1.5 HP	Gas		1/2"	
			Liquid		1/4"	
		1.8/2.0HP	Gas		5/8"	
			Liquid		1/4"	
		≥ 2.3 HP	Gas		5/8"	
			Liquid		3/8"	
Multikit reference					E-102SN4	



			Outdoor unit
			4-6HP
Maximum piping length between the outdoor unit and the farthest indoor unit	Actual length (L)		75m
	Equivalent length (EL)		95m
Total piping length	A+B+C		85m
Maximum length difference of the several branches:	B-C, B-D, C-D		< 10m
Maximum piping line after first branch	B,C,D		15m
Maximum height difference, Outdoor / Indoor (H)			30m/20m
Maximum height difference Indoor / Indoor			3m
Maximum height difference branch pipe/indoor			3m
Piping diameters	A	Gas	5/8"
		Liquid	3/8"
	≤ 1.5 HP	Gas	1/2"
		Liquid	1/4"
	1.8/2.0HP	Gas	5/8"
		Liquid	1/4"
	≥ 2.3 HP	Gas	5/8"
		Liquid	3/8"
Header reference			MH-84AN1



			Outdoor unit		
			4-6HP		
Maximum piping length between the outdoor unit and the farthest indoor unit	Actual length (L)	m	75		
	Equivalent length (EL)	m	95		
Total piping length	A+B+C	m	85		
Maximum length difference of the several branches:	(C+G)-(C+F)	m	< 10		
	(B+E)-(B+D)				
	(C+G)-(B+E)				
	(C+G)-(B+D)				
	(C+F)-(B+E)				
	(C+F)-(B+D)				
Maximum piping line after first branch	(B+D, B+E, C+F, C+G)	m	15		
Maximum height difference, Outdoor / Indoor (H)		m	30/20		
Maximum height difference Indoor / Indoor		m	3		
Maximum height difference branch pipe/indoor		m	3		
Piping diameters	A	Gas			
		Liquid			
	B,C,D	≤ 1.5 HP	Gas	1/2"	
			Liquid	1/4"	
		1.8/2.0HP	Gas	5/8"	
			Liquid	1/4"	
		≥ 2.3 HP	Gas	5/8"	
			Liquid	3/8"	
			≤ 1.5 HP	Gas	1/2"
				Liquid	1/4"
	1.8/2.0HP		Gas	5/8"	
			Liquid	1/4"	
	≥ 2.3 HP		Gas	5/8"	
			Liquid	3/8"	
Multikits reference			E-102SN4		

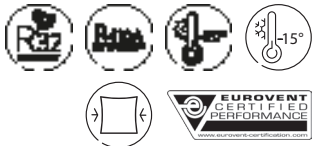


Single room applications

Meet the perfect fit for your tertiary single room applications. Utopia Prime will provide the comfort you need for your business with an optimal efficiency.

Utopia Prime wall unit

A flexible R410A or R32 solution to meet the toughest comfort demands



Ultimate air circulation

Use the 4 fan speeds to adapt the air flow for comfort in every room.

Easy and discreet integration

Our units are so compact and light that you can install them discreetly above a doorway. Their new design improves the access to the filters and the fan can be replaced without removing the exchanger.

Easier controls

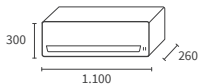
Our wall units are compatible with all types of remote control and feature an infrared receiver as standard. Large operating ranges This equipment works from -20°C to +18°C in heating mode and from -15°C tp 46°C in Cooling mode. It is perfect for server rooms and applications where cooling is needed all year long.

Compactness

Outdoor units are exceptionally compact, with a footprint of 0.26 m³.

Indoor units

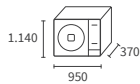
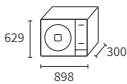
Outdoor units



RPK-3.0 FSRM
RPK-4.0 FSRM



RAS-3HVRC2



RAS-4H(V)RC2E
RAS-4H(V)NC2E

Utopia Prime wall unit

	Unit	R32 Refrigerant			R410A Refrigerant	
		7.1kW	10kW	10kW	10kW	10kW
		monophase	monophase	triphase	monophase	triphase
Performance, cooling	Unit	3HP	4HP	4HP	4HP	4HP
Nominal cooling capacity	kW	7.1	10.00	10.00	10.00	10.00
Rated power input - cooling	kW	1.81	4.13	4.13	4.63	4.63
EER	-	3.93	2.42	2.42	2.16	2.16
Seasonal energy class - cooling	-	A++	A++	A++	A++	A+
SEER (average climate)	-	7.33	6.45	6.18	6.17	5.92
Temperature operating range - cooling mode	°C	-15°C / +46°C (DB) ₁	-15°C / +46°C (DB) ₁	-15°C / +46°C (DB) ₁	-15°C / +46°C (DB) ₁	-15°C / +46°C (DB) ₁
Performance, heating	Unit					
Nominal heating capacity	kW	8	11.20	11.20	11.20	11.20
Rated power input - heating	kW	1.95	4.63	3.97	3.9	3.9
COP	-	4.11	2.42	2.82	2.87	2.87
Seasonal energy class - Heating	-	A+	A++	A	A	A
SCOP (average climate)	-	4.2	6.45	3.8	3.83	3.83
Temperature operating range - heating mode	°C	-20°C / +18°C (WB)	-20°C / +18°C (WB)	-20°C / +18°C (WB)	-20°C / +18°C (WB)	-20°C / +18°C (WB)
Indoor unit ₂	Unit	RPK- 3.0FSRM	RPK- 4.0FSRM	RPK- 4.0FSRM	RPK- 4.0FSRM	RPK- 4.0FSRM
Sound power level- Speed (Hi2/Hi/Me/Lo)	dB(A)	63/60/56/51	65/64/60/54	65/64/60/54	65/64/60/54	65/64/60/54
Sound pressure level - Speed (Hi2/Hi/Me/Lo)	dB(A)	47/44/40/35	51/48/44/39	51/48/44/39	51/48/44/39	51/48/44/39
Airflow - Speed (Hi2/Hi/Me/Lo)	m³ /min	20/17.5/15.5/12.5	23/20/17.5/14.5	23/20/17.5/14.5	23/20/17.5/14.5	23/20/17.5/14.5
Dimensions (H x L x D)	mm	300 X 1100 x 260	300 x 1100 x 260	300 x 1100 x 260	300 x 1100 x 260	300 x 1100 x 260
Net weight	kg	15	15	15	15	15
Piping connections diameter (Liq / Gas)	inches	3/8" - 5/8"	3/8" - 5/8"	3/8" - 5/8"	3/8" - 5/8"	3/8" - 5/8"
Condensate drain connection	mm	20	20	20	20	20
Power supply	V / ~ / Hz	230V / 1Ph / 50Hz	230V / 1Ph / 50Hz	230V / 1Ph / 50Hz	230V / 1Ph / 50Hz	230V / 1Ph / 50Hz
Cable section (EN 60 335-1) 3	mm²	3 x 0.75	3 x 0.75	3 x 0.75	3 x 0.75	3 x 0.75
Remote control	-	PC-AWR (Infrared, not included)				
Outdoor units	Unit	RAS-3HVRC2	RAS-4HVRC2E	RAS-4HRC2E	RAS-4HVC2E	RAS-4HNC2E
Noise level cooling - sound pressure (night mode)	dB(A)	54 (48)	54 (51)	54 (51)	54 (51)	54 (51)
Noise level (sound power)	dB(A)	69	70	70	70	70
Air flow (cooling / heating)	m³ /min	45	80	80	80	80
Static pressure (ESP)	Pa	30	30	30	30	30
Dimensions (H x L x D)	mm	629 x 799(+95) x 300	1140 x 950 x 370	1140 x 950 x 370	1140 x 950 x 370	1140 x 950 x 370
Net weight	kg	48	84	86	84	86
Compressor	-	Rotative DC Inverter driven				
Piping specifications	Unit					
Piping diameters (Liq / Gas)	inches	3/8" - 5/8"	3/8" - 5/8"	3/8" - 5/8"	3/8" - 5/8"	3/8" - 5/8"
Refrigerant precharge	kg	1.7	3.0	3.0	3.0	3.0
Precharged for	m	20	20	20	20	20
Minimum piping length	m	5	5	5	5	5
Max. length / additional charge	m / g/ m	50 / 45	75 / 45	75 / 45	75 / 45	75 / 45
Max. level difference (outdoor unit above / outdoor unit below)	m	30 / 20	30 / 20	30 / 20	30 / 20	30 / 20
Type of refrigerant	-	R32	R32	R32	R32	R32
Electrical specifications, outdoor unit						
Power supply	V / ~ / Hz	1~ 230V 50Hz	1~ 230V 50Hz	3~ 400V 50Hz	1~ 230V 50Hz	3~ 400V 50Hz
Max. current	A	15	22.5	15	22.5	15
Cable section (EN 60 335-1) ₃	mm²	3 x 4.0	3 x 6.0	5 x 4.0	3 x 6.0	5 x 4.0
Indoor/outdoor transmission cable section	mm²	2 x 0.75	2 x 0.75	2 x 0.75	2 x 0.75	2 x 0.75

¹⁾ Wind guard is mandatory, otherwise operating range is from -5°C. (WSP-264 for 3HP, WSP-335A for 4-6HP).

²⁾ RPK-FSR series with EV valve built in, RPK-FSR(H) series with deported expansion valve (EV-1.5N1, to be acquired separately).

³⁾ Data is for guidance purposes only. It is the installer's responsibility to ensure that these wire sections meet the needs of the facility and current standards.

Controls and compatible accessories



Simple wired controller
PC-ARH1E



Infrared controller
Included
PC-AWR



Intuitive multifunction cable control
PC-ARFP1E



Remote sensor
THM-R2AE



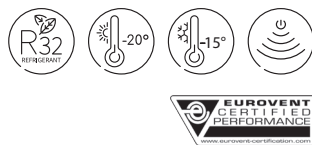
Input / output connector
PCC-1A



Condensation drainage kit
DDB-26 (4HP models)
DDB-12L (3HP models)

Utopia Prime cassette unit

A R410 or R32 solution to meet the toughest technical restrictions



NEW

Unrivalled comfort

Eliminate any discomfort thanks to the independent flap control and the homogeneous air distribution thanks to Coanda effect.

Energy-saving

The motion sensor (optional) automatically optimizes the level of comfort while limiting the energy consumption in rooms only occupied occasionally. It continuously analyzes thermal disparities as well as the presence of people in the room, adjusting its setting temperature (down to 2°C), fan speed, and airflow direction to suit. (Fig. 1)

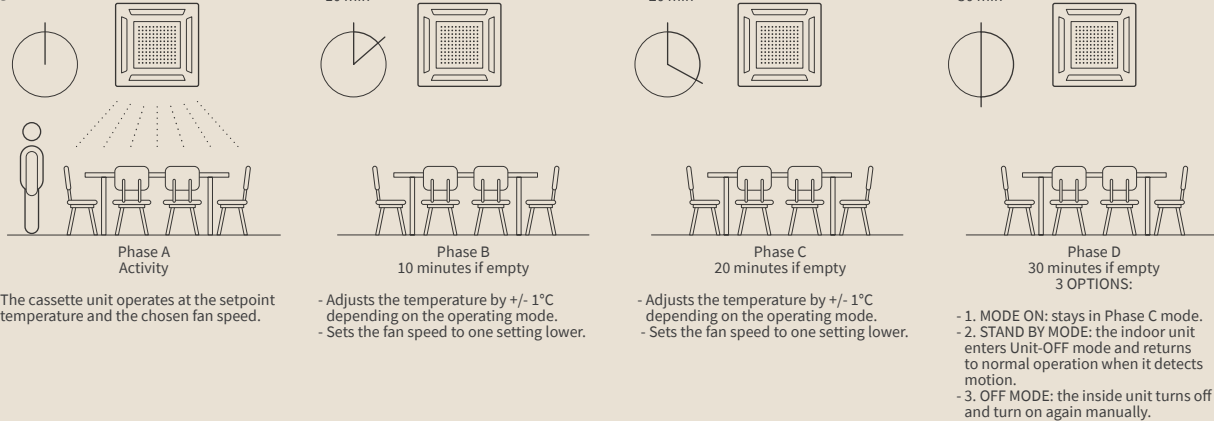
Compact dimensions

Outdoor units are exceptionally compact, with a footprint of 0.26m².

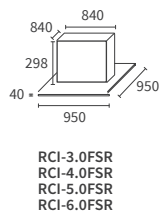
Installation time

The 800 x 800 cassette unit fits perfectly into suspended ceilings thanks to its low height (248 mm). It also can be used for high ceiling applications with a possible installation of up to 4.20 m, depending on the model. In addition, it is equipped with a built in drain pump with can be installed with an elevation up to 850 mm.

Fig. 1



Indoor units

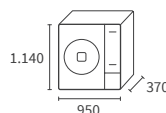
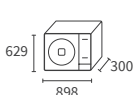


RCI-3.0FSR
RCI-4.0FSR
RCI-5.0FSR
RCI-6.0FSR

Outdoor units



RAS-3HVRC2



RAS-4H(V)RC2E
RAS-5H(V)RC2E
RAS-6H(V)RC2E
RAS-4H(V)NC2E
RAS-5H(V)NC2E
RAS-6H(V)NC2E

Utopia Prime cassette

02. SINGLE ROOM APPLICATIONS | UTOPIA PRIME CASSETTE UNIT

	Unit	R32 Refrigerant				R410A Refrigerant		
		monophase	monophase / triphase	monophase / triphase	monophase / triphase	monophase / triphase	monophase / triphase	monophase / triphase
		7.1kW 3HP	10KW 4HP	12.5KW 5HP	14KW 6HP	10KW 4HP	12.5KW 5HP	14KW 6HP
Performance, cooling								
Nominal cooling capacity	kW	7.10	10.00	11.90	14.00	10.00	11.90	14.00
Rated power input - cooling	kW	1.81	2.56	3.38	4.32	2.86	3.78	4.91
EER	-	3.93	3.9	3.52	3.24	3.5	3.15	2.85
Seasonal energy class - Cooling	-	A++	A++	A++	-	A++	A++	-
SEER (average climate)	-	7.33	6.93 / 6.62	6.6 / 6.37	7.35 / 7.25	6.69 / 6.42	6.35 / 6.13	7.01 / 6.92
Temperature operating range - cooling mode	°C	-15°C / +46°C (DB) _i	-15°C / +46°C (DB) _i	-15°C / +46°C (DB) _i	-15°C / +46°C (DB) _i	-15°C / +46°C (DB) _i	-15°C / +46°C (DB) _i	-15°C / +46°C (DB) _i
Performance, heating								
Nominal heating capacity	kW	8.00	11.20	14.00	16.00	11.20	14.00	16.00
Rated power input - heating	kW	4	4.57	3.89	4.23	4.57	3.89	4.23
COP	-	4.11	4.23	3.98	4.4	4.3	3.98	4.4
Seasonal energy class - Heating	-	A+	A+	A+	-	A+	A+	-
SCOP (average climate)	-	4.2	4.36	4.26 / 4.25	4.73	4.4	4.24 / 4.23	4.71
Temperature operating range - heating mode	°C	-20°C / +18°C (WB)	-20°C / +18°C (WB)	-20°C / +18°C (WB)	-20°C / +18°C (WB)	-20°C / +18°C (WB)	-20°C / +18°C (WB)	-20°C / +18°C (WB)
Indoor unit		RCI-3.0FSR	RCI-4.0FSR	RCI-5.0FSR	RCI-6.0FSR	RCI-4.0FSR	RCI-5.0FSR	RCI-6.0FSR
Sound power level	dB(A)	57	64	64	65	64	64	65
Sound pressure level - Speed (Hi2/Hi/Me/Lo)	dB(A)	42 / 36 / 32 / 28	48 / 43 / 39 / 33	48 / 45 / 40 / 35	48 / 46 / 41 / 37	48 / 43 / 39 / 33	48 / 45 / 40 / 35	48 / 46 / 41 / 37
Airflow - Speed (Hi2/Hi/Me/Lo)	m³/h	27 / 23 / 18 / 14	37 / 31 / 24 / 20	37 / 33 / 26 / 21	37 / 35 / 28 / 22	37 / 31 / 24 / 20	37 / 33 / 26 / 21	37 / 35 / 28 / 22
Drain pump included	-	yes	yes	yes	yes	yes	yes	yes
Drain-up height	mm	850	850	850	850	850	850	850
Dimensions (H x L x D)	mm	298 x 840 x 840	298 x 840 x 840	298 x 840 x 840	298 x 840 x 840	298 x 840 x 840	298 x 840 x 840	298 x 840 x 840
Panel dimensions (H x W x D)	mm	40 x 950 x 950	40 x 950 x 950	40 x 950 x 950	40 x 950 x 950	40 x 950 x 950	40 x 950 x 950	40 x 950 x 950
Net weight of the indoor unit + panel (P-N23NA2)	kg	26 + 6.50	26 + 6.50	26 + 6.50	26 + 6.50	26 + 6.50	26 + 6.50	26 + 6.50
Piping connections diameter (Liq / Gas)	inches	3/8" - 5/8"	3/8" - 5/8"	3/8" - 5/8"	3/8" - 5/8"	3/8" - 5/8"	3/8" - 5/8"	3/8" - 5/8"
Condensate drain connection	mm	32	32	32	32	32	32	32
Power supply	-	1~ 230V 50Hz	1~ 230V 50Hz	1~ 230V 50Hz	1~ 230V 50Hz	1~ 230V 50Hz	1~ 230V 50Hz	1~ 230V 50Hz
Cable section (EN 60 335-1) ₂	mm²	3 x 0.75	3 x 0.75	3 x 0.75	3 x 0.75	3 x 0.75	3 x 0.75	3 x 0.75
Front panel part no.	-	P-N23NA2	P-N23NA2	P-N23NA2	P-N23NA2	P-N23NA2	P-N23NA2	P-N23NA2
Remote control	-	not included	not included	not included	not included	not included	not included	not included
Outdoor units		RAS-3HVRC2	RAS-4HVRC2E / RAS-4HRC2E	RAS-5HVRC2E / RAS-5HRC2E	RAS-6HVRC2E / RAS-6HRC2E	RAS-4HVNC2E / RAS-4HNC2E	RAS-5HVNC2E / RAS-5HNC2E	RAS-6HVNC2E / RAS-6HNC2E
Noise level cooling - sound pressure (night mode)	dB(A)	54 (48)	54 (51)	54 (51)	56 (51)	54 (51)	54 (51)	56 (51)
Noise level (sound power)	dB(A)	69	70	70	72	70	70	72
Air flow (cooling / heating)	m³/h	45	80	80	80	80	80	80
Static pressure (ESP)	Pa	30	30	30	30	30	30	30
Dimensions (H x L x D)	mm	629 x 799(+95) x 300	1140 x 950 x 370	1140 x 950 x 370	1140 x 950 x 370	1140 x 950 x 370	1140 x 950 x 370	1140 x 950 x 370
Net weight	kg	48	84 / 86	84 / 86	84 / 86	84 / 86	84 / 86	84 / 86
Compressor	-	Rotative DC Inverter driven						
Piping specifications								
Piping diameters (Liq / Gas)	mm (inches)	3/8" - 5/8"	3/8" - 5/8"	3/8" - 5/8"	3/8" - 5/8"	3/8" - 5/8"	3/8" - 5/8"	3/8" - 5/8"
Refrigerant precharge	kg	1.7	3.0	3.0	3.0	3.0	3.0	3.0
Precharged for	m	20	20	20	20	20	20	20
Minimum piping length	m	5	5	5	5	5	5	5
Max. length / additional charge	m/g/m	50 / 45	75 / 45	75 / 45	75 / 45	75 / 45	75 / 45	75 / 45
Max. level difference (outdoor unit above / outdoor unit below)	m	30 / 20	30 / 20	30 / 20	30 / 20	30 / 20	30 / 20	30 / 20
Type of refrigerant	-	R32	R32	R32	R32	R410A	R410A	R410A
Electrical specifications, outdoor unit								
Power supply	V / ~ / Hz	1~ 230V 50Hz	1~ 230V 50Hz / 3~ 400V 50Hz	1~ 230V 50Hz / 3~ 400V 50Hz	1~ 230V 50Hz / 3~ 400V 50Hz	1~ 230V 50Hz / 3~ 400V 50Hz	1~ 230V 50Hz / 3~ 400V 50Hz	1~ 230V 50Hz / 3~ 400V 50Hz
Max. current	A	15	22.5 / 15	22.5 / 15	22.5 / 15	22.5 / 15	22.5 / 15	22.5 / 15
Cable section (EN 60 335-1) ₂	mm²	3 x 4.0	3 x 6.0 / 5 x 4.0	3 x 6.0 / 5 x 4.0	3 x 6.0 / 5 x 4.0	3 x 6.0 / 5 x 4.0	3 x 6.0 / 5 x 4.0	3 x 6.0 / 5 x 4.0
Indoor/outdoor transmission cable section	mm²	2 x 0.75	2 x 0.75	2 x 0.75	2 x 0.75	2 x 0.75	2 x 0.75	2 x 0.75

⁽¹⁾ Wind guard is mandatory, otherwise operating range is from -5°C. (WSP-264 for 3HP, WSP-335A for 4-6HP).

⁽²⁾ Data is for guidance purposes only. It is the installer's responsibility to ensure that these wire sections meet the needs of the facility and current standards.

Controls and compatible accessories

	Simple wired controller PC-ARH1E - Optional		Infrared controller PC-AWR - Optional		Intuitive multifunction cable control PC-ARFP1E
	Remote sensor THM-R2AE		Infrared receiver PC-ALH3		Fresh air kit PD-75C
	Motion sensor PS-MSK2		Input / output connector PCC-1A		Condensation drainage kit DDB-26 (4HP models) DDB-12L (3HP models)

Utopia Prime ducted unit

A R410 or R32 solution to meet the toughest installation spaces providing the easiest installation and maintenance



NEW

Compactness

Our indoor ducted units benefit from an extra small height of just 24 cm.

Integrated condensate pump

Hitachi ducts are equipped as standard with a condensate extraction pump which can be installed with an elevation of up to 850 mm.

Flexible air intake from below or from the back

This solution offers true installation flexibility depending on the type of configuration. You can move the intake – from below or from the rear on sizes 3 to 6 HP. (Fig. 1)

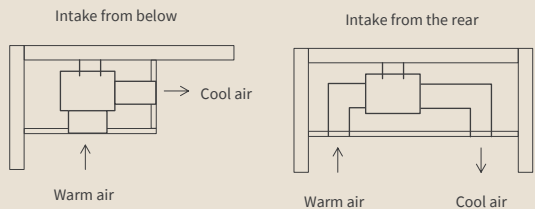
Large static pressure control range

Static pressure available up to 150 Pa, with 3 possible levels, including zero pressure.

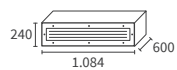
Compatible with Airzone

A single indoor ducted unit serves up to 6 zones separately thanks to Airzone's motorized plenums and management solutions (see p.50)

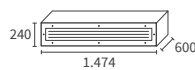
Fig. 1



Indoor units



RPI-3.0FSRE



RPI-4.0FSRE
RPI-5.0FSRE
RPI-6.0FSRE



RAS-3HVRC2



RAS-4H(V)RC2E
RAS-5H(V)RC2E
RAS-6H(V)RC2E
RAS-4H(V)NC2E
RAS-5H(V)NC2E
RAS-6H(V)NC2E

Outdoor units

Utopia Prime ducted unit

02. SINGLE ROOM APPLICATIONS | UTOPIA PRIME DUCTED UNIT

		R32 Refrigerant				R410A Refrigerant		
		monophase	"monophase / triphase"	"monophase / triphase"	"monophase / triphase"	"monophase / triphase"	"monophase / triphase"	"monophase / triphase"
		7.1kW	10kW	12.5kW	14kW	10kW	12.5kW	14kW
Performance, cooling	Unit	3HP	4HP	5HP	6HP	4HP	5HP	6HP
Nominal cooling capacity	kW	7.10	10.00	11.90	14.00	10.00	11.90	14.00
Rated power input - cooling	kW	2.05	2.76	3.65	4.53	3.09	4.08	4.98
EER	-	3.47	3.62	3.26	3.09	3.24	2.92	2.81
Seasonal energy class - Cooling	-	A++	A++	A++	-	A++ / A+	A+	-
SEER (average climate)	-	6.7	6.44 / 6.17	6.1 / 5.89	7.3 / 7.20	6.21 / 5.96	5.87 / 5.68	6.99 / 6.90
Temperature operating range - cooling mode	°C	-15°C / +46°C (DB) _i	-15°C / +46°C (DB) _i	-15°C / +46°C (DB) _i	-15°C / +46°C (DB) _i	-15°C / +46°C (DB) _i	-15°C / +46°C (DB) _i	-15°C / +46°C (DB) _i
Performance, heating	Unit							
Nominal heating capacity	kW	8.00	11.20	14.00	16.00	11.20	14.00	16.00
Rated power input - heating	kW	2.2	3.02 / 3.09	4.09	3.64	3.02	4.09	3.64
COP	-	3.63	3.71 / 3.63	3.42	4.4	3.71	3.42	4.4
Seasonal energy class - Heating	-	A	A+	A+	-	A+	A	-
SCOP (average climate)	-	3.92	4.04	4.03	4.73	4.09	3.93	4.7
Temperature operating range - heating mode	°C	-20°C / +18°C (WB)	-20°C / +18°C (WB)	-20°C / +18°C (WB)	-20°C / +18°C (WB)	-20°C / +18°C (WB)	-20°C / +18°C (WB)	-20°C / +18°C (WB)
Indoor unit		RPI-3.0FSRE	RPI-4.0FSRE	RPI-5.0FSRE	RPI-6.0FSRE	RPI-4.0FSRE	RPI-5.0FSRE	RPI-6.0FSRE
Sound power level- Speed (Hi/Me/Lo)	dB(A)	TBC	TBC	TBC	TBC	TBC	TBC	TBC
Sound pressure level - Speed (Hi/Me/Lo)	dB(A)	TBC	TBC	TBC	TBC	TBC	TBC	TBC
Airflow - Speed (Hi/Me/Lo)	m ³ /min	26 / 22 / 18	36 / 29 / 24	40 / 35.5 / 31	43 / 37 / 31	36 / 29 / 24	40 / 35.5 / 31	43 / 37 / 31
Static pressure (min-max)	Pa	37 (0~150)	37 (0~150)	50 (0~150)	50 (0~150)	37 (0~150)	50 (0~150)	50 (0~150)
Condensate pump included	-	yes	yes	yes	yes	yes	yes	yes
Drain-up height	mm	850	850	850	850	850	850	850
Dimensions (H x L x D)	mm	240 x 1084 x 600	240 x 1474 x 600	240 x 1474 x 600	240 x 1474 x 600	240 x 1474 x 600	240 x 1474 x 600	240 x 1474 x 600
Net weight	kg	30	36	36	36	36	36	36
Piping connections diameter (Liq / Gas)	inches	3/8" - 5/8"	3/8" - 5/8"	3/8" - 5/8"	3/8" - 5/8"	3/8" - 5/8"	3/8" - 5/8"	3/8" - 5/8"
Condensate drain connection	mm	32	32	32	32	32	32	32
Power supply	V / ~ / Hz	1~ 230V 50Hz	1~ 230V 50Hz	1~ 230V 50Hz	1~ 230V 50Hz	1~ 230V 50Hz	1~ 230V 50Hz	1~ 230V 50Hz
Cable section (EN 60 335-1) ₂	mm ²	3 x 0.75	3 x 0.75	3 x 0.75	3 x 0.75	3 x 0.75	3 x 0.75	3 x 0.75
Remote control	-				not included			
Outdoor units		RAS-3HVRC2	RAS-4HVRC2E / RAS-4HRC2E	RAS-5HVRC2E / RAS-5HRC2E	RAS-6HVRC2E / RAS-6HRC2E	RAS-4HVNC2E / RAS-4HNC2E	RAS-5HVNC2E / RAS-5HNC2E	RAS-6H(N)NC2E / RAS-6HNC2E
"Noise level cooling - sound pressure (night mode)"	dB(A)	54 (48)	54 (51)	54 (51)	56 (51)	54 (51)	54 (51)	56 (51)
Noise level (sound power)	dB(A)	69	70	70	72	70	70	72
Air flow (cooling / heating)	m ³ /min	45	80	80	80	80	80	80
Static pressure (ESP)	Pa	30	30	30	30	30	30	30
Dimensions (H x L x D)	mm	629 x 799(+95) x 300	1140 x 950 x 370	1140 x 950 x 370	1140 x 950 x 370	1140 x 950 x 370	1140 x 950 x 370	1140 x 950 x 370
Net weight	kg	48	84	84	84	84	84	84
Compressor	-				Rotative DC Inverter driven			
Piping specifications								
Piping diameters (Liq / Gas)	inches	3/8" - 5/8"	3/8" - 5/8"	3/8" - 5/8"	3/8" - 5/8"	3/8" - 5/8"	3/8" - 5/8"	3/8" - 5/8"
Refrigerant precharge	kg	1.7	3.0	3.0	3.0	3.0	3.0	3.0
Precharged for	m	20	20	20	20	20	20	20
Minimum piping length	m	5	5	5	5	5	5	5
Max. length / additional charge	m / g/ m	50 / 45	75 / 45	75 / 45	75 / 45	75 / 45	75 / 45	75 / 45
Max. level difference (outdoor unit above / outdoor unit below)	m	30 / 20	30 / 20	30 / 20	30 / 20	30 / 20	30 / 20	30 / 20
Type of refrigerant	-	R32	R32	R32	R32	R410A	R410A	R410A
Electrical specifications, outdoor unit								
Power supply	V / ~ / Hz	1~ 230V 50Hz	1~ 230V 50Hz / 3~ 400V 50Hz	1~ 230V 50Hz / 3~ 400V 50Hz	1~ 230V 50Hz / 3~ 400V 50Hz	1~ 230V 50Hz / 3~ 400V 50Hz	1~ 230V 50Hz / 3~ 400V 50Hz	1~ 230V 50Hz / 3~ 400V 50Hz
Max. current	A	15	22.5 / 15	22.5 / 15	22.5 / 15	22.5 / 15	22.5 / 15	22.5 / 15
Cable section (EN 60 335-1) ₂	mm ²	3 x 4.0	3 x 6.0 / 5 x 4.0	3 x 6.0 / 5 x 4.0	3 x 6.0 / 5 x 4.0	3 x 6.0 / 5 x 4.0	3 x 6.0 / 5 x 4.0	3 x 6.0 / 5 x 4.0
Indoor/outdoor transmission cable section	mm ²	2 x 0.75	2 x 0.75	2 x 0.75	2 x 0.75	2 x 0.75	2 x 0.75	2 x 0.75

⁽¹⁾ Wind guard is mandatory, otherwise operating range is from -5°C. (WSP-264 for 3HP, WSP-335A for 4-6HP).

⁽²⁾ Data is for guidance purposes only. It is the installer's responsibility to ensure that these wire sections meet the needs of the facility and current standards.

Controls and compatible accessories



Simple wired controller
PC-ARH1E



Infrared controller
PC-AWR

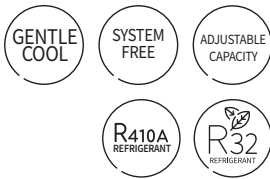
Other:

- Remote sensor THM-R2AE
- Configurable input/output contact connection kit PCC-1A
- Condensate drainage kit DDB-26 (4HP models)
- DDB-12L (3HP models)
- Motion sensor for low-height ducted unit SOR-MSK



Intuitive multifunction cable control
PC-ARFP1E

Ceiling unit



Ceiling unit

Indoor units	Unit	RPC-1.5FSR	RPC-2.0FSR	RPC-2.5FSR	RPC-3.0FSR	RPC-4.0FSR	RPC-5.0FSR	RPC-6.0FSR
Capacity (adjustable)	HP	1.30 ~ 1.50	1.80 ~ 2.00	2.30 ~ 2.50	3.00	4.00	5.00	6.00
Rated power Cooling (in combination with Prime series)	kW	3.60	5.00	5.60	7.10	10.00	12.50	14.00
Rated power Heating (in combination with Prime series)	kW	4.00	5.60	6.30	8.00	11.20	14.00	16.00
Rated power Cooling SET FREE	kW	3.80 ~ 4.00	5.20 ~ 5.60	6.70 ~ 7.10	8.00	11.20	14.00	16.00
Rated power Heating SET FREE	kW	4.20 ~ 4.80	5.60 ~ 6.30	7.50 ~ 8.50	9.00	12.50	16.00	18.00
Sound level in Cooling mode (pressure) (pv/mv/gv1/gv2) _{1,3}	dB(A)	28 / 31 / 35 / 37	28 / 31 / 35 / 38		29 / 33 / 37 / 40	32 / 37 / 42 / 44	35 / 41 / 45 / 48	36 / 42 / 47 / 49
Sound pressure	dB(A)	53	54	54	56	60	64	65
Airflow in Cooling mode (pv/mv/gv1/gv2) ₄	m³/h	540 / 660 / 780 / 900		690 / 840 / 990 / 1140	750 / 930 / 1110 / 1260	1020 / 1320 / 1590 / 1800	1200 / 1530 / 1860 / 2100	1260 / 1620 / 1950 / 2220
Drain pump	-	Optional						
Max. elevation	mm	600						
Piping diameters (Liq / Gas)	inches	1/4 - 5/8			3/8 - 5/8			
Drain outlet diameter (ext)	mm				25			
Dimensions (H x L x D)	mm	235 x 960 x 690			235 x 1270 x 690		235 x 1580 x 690	
Weight	kg	26	27	35	41			
Power supply	-	1~ 230V 50Hz						
Max. current	A	5						
Cable width (EN 60 335-1) ₂	mm²	3 x 0.75						

⁽¹⁾ Sound levels (pressure) are measured in an anechoic chamber at 1 m under the unit, 1 m from the pulse air flap.
⁽²⁾ Data shown is for indication purposes only. It is the installer's responsibility to ensure that these wire sections meet the needs of the facility.
⁽³⁾ High-speed access is possible with remote controls PC-ARFP1E and PC-ARH1E.
⁽⁴⁾ Very low speed is available in Thermo-off mode.

Controls and compatible accessories



Simple wired controller
PC-ARH1E



Infrared controller
PC-AWR



Intuitive multifunction cable control
PC-ARFP1E
(PC-ARFG-E available second half of 2021)



Remote sensor
THM-R2AE



Infrared receiver
PC-ALHP1 (integrated) / PC-ALHZ1 (external)



Drain pump
DUPC-63K1 (extraction pump RPC-1.5FSR)
DUPC-71K1 (extraction pump RPC-2.0FSR)
DUPC-160K1 (extraction pump RPC-(2.5-6.0)FSR)



Motion sensor
SOR-NEP



Output / input connector
PCC-1A

Energy-saving

The motion sensor (optional) automatically optimizes the level of comfort while limiting the energy consumption in rooms only occupied occasionally. It continuously analyzes thermal disparities as well as the presence of people in the room, adjusting its setting temperature (+/- 2°C), fan speed, and airflow direction to suit.

Higher circulation rate

Use the 4 fan speeds to adapt the airflow for comfort in every room.

Optional drain pump

Drain pump is optional so installer can decide at which installations to use it.

Unrivalled comfort

The GENTLE COOL fan temperature setting, accessible on the wired remote control PC-ARF1E, adjusts the min. fan blower temperature. In summer, cooling air currents are avoided as you can set the adjustable minimum blowing temperature.

Potential for discomfort



GentleCool: STOP

GentleCool → No cold drafts



GentleCool: WEAK



GentleCool: AVERAGE

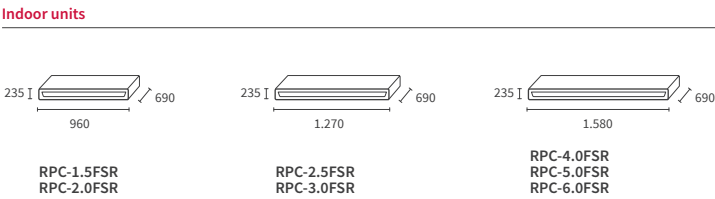


GentleCool: STRONG



Min. Temp° control on the fan blower with the remote control PC-ARF1E or the CSNET monitoring system

Ultimate comfort





Large space applications

If your business has a large open space, Utopia Prime and IVX Prime are your best choices. Find the perfect fit with the widest and most flexible twin, triple and quad range.



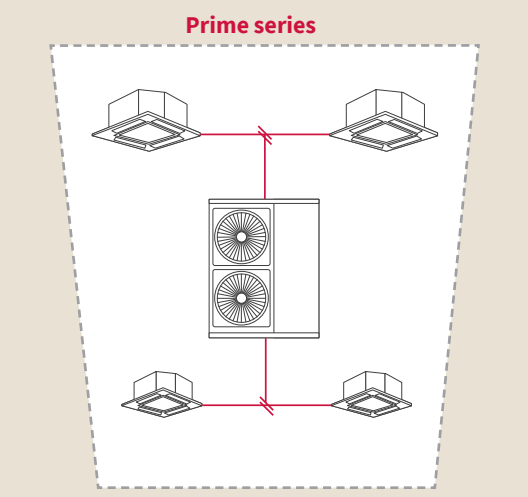
Prime series: features & benefits

IU FLEXIBILITY: IU SIZE

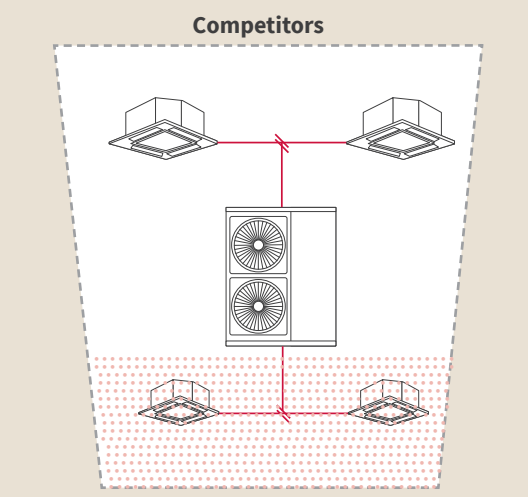
Indoor units as small as 0.8HP to 6HP

Indoor unit with highest capacity (HP)	0,8	1,0	1,3	1,5	1,8	2,0	2,3	2,5	3,0	4,0
Indoor unit with lowest capacity (HP)	0,8					1,0		1,3		1,5
Capacity gap between bigger and smaller units	0	0,2	0,5	0,7	0,8	1,0	1,3	1,2	1,7	2,5

- Good temperature and airflow distribution
- Homogeneous comfort

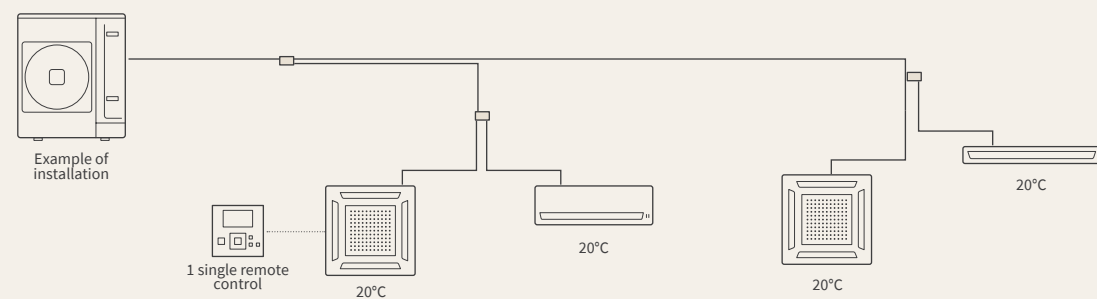


- Not homogeneous temperature
- Discomfort

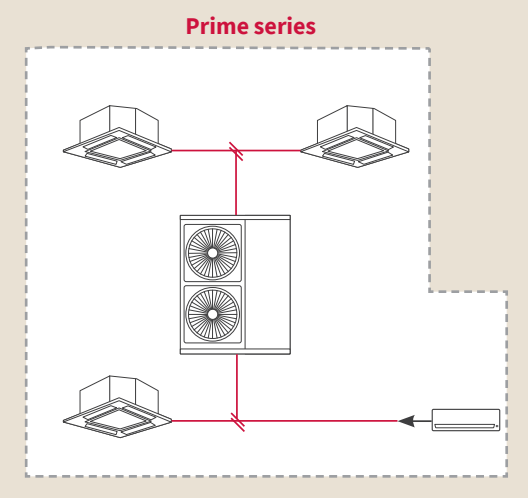


IU FLEXIBILITY: IU TYPE

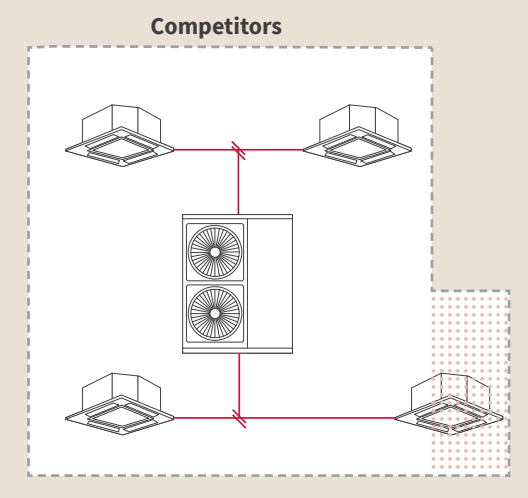
Different indoor unit types can be mixed in our installation, choosing the one that fits the best in our application



- Good temperature and airflow distribution
- Homogeneous comfort



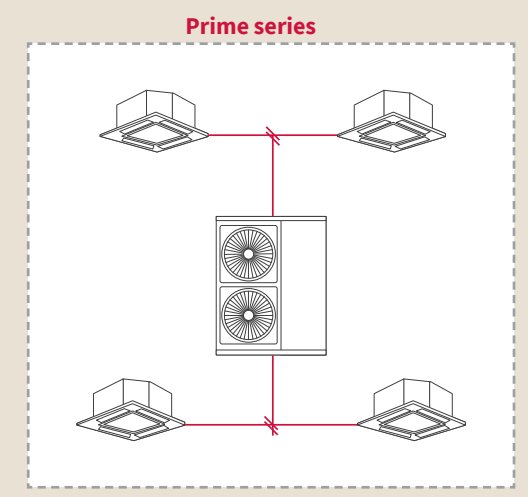
- Not homogeneous temperature
- Air turbulences at narrower area (4-way airflow)
- Discomfort



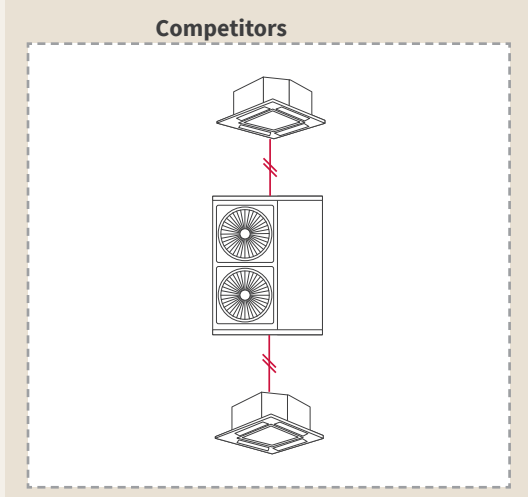
IU FLEXIBILITY: AVAILABLE COMBNATIONS

	3HP	4HP	5HP	6HP
Twin	•	•	•	•
Triple		•	•	•
Quad		•	•	•

- Good airflow distribution
- No different temperature zoning



- Not enough air outlets
- Not homogeneous temperature across the space
- Discomfort

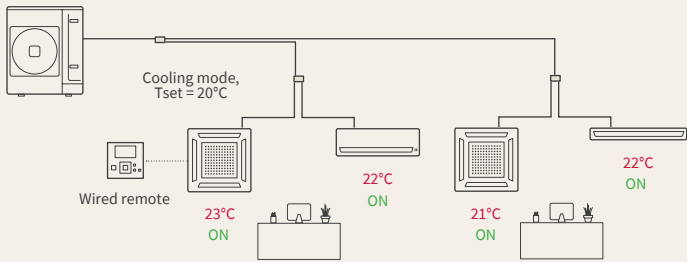


CONTROL OPTIONS

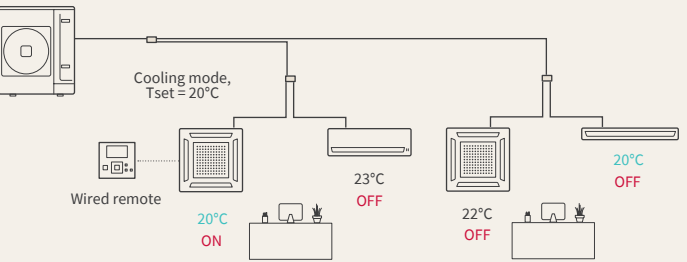
BENEFITS

Option A: all indoors weighted (simultaneous control, Utopia Prime)

All the indoor units have the same priority. this control configuration is good for those areas with uniform use (e.g. office etc.)



When none of the indoor units have reached Tset, all units will go Thermo - ON.

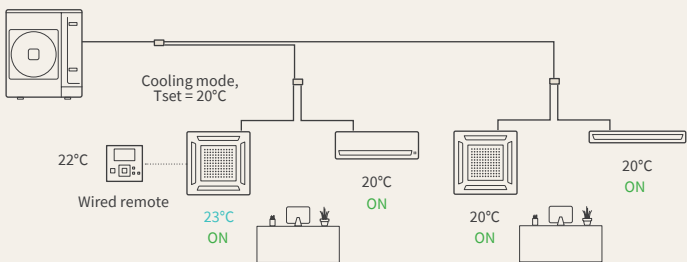


Once one indoor unit reaches Tset, all indoor units will go Thermo - OFF.

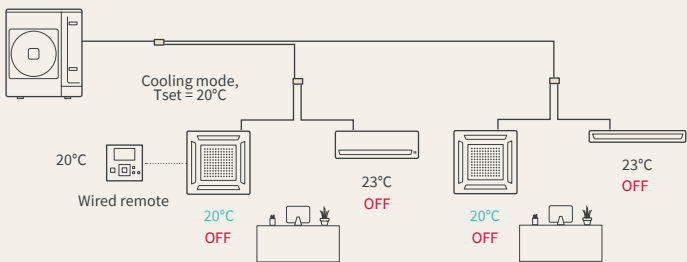
- More energy savings
- More consistent temperature across the space
- No area with bigger priority than the others



Option B: key area priority (simultaneous control, Utopia Prime)



If temperature at wired remote does not reach Tset, all IU will go Thermo - ON.



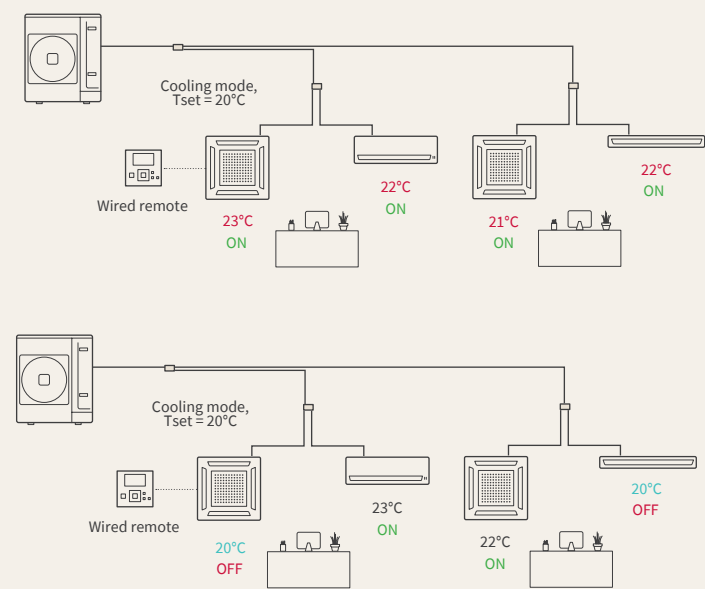
If temperature at wired remote reaches Tset, all IU will go Thermo - OFF.

- Can be used for large open spaces with different uses in it, give priority were comfort is more needed.
- Can be used to give priority to the space where the internal load or any other constraint affects more critically to comfort.

CONTROL OPTIONS

Option C: individual control (IVX Prime)

All the indoor units will follow the set temperature defined at the wired remote installed in the system (group control). Each unit will operate on independently (Thermo-ON/OFF) depending on its own needs.



Any of the units that haven't reached Tset will go into Thermo - ON status. As long as an IU reaches Tset, will go to Thermo - OFF status, whatever the demands or the status of the other IU's are.

BENEFITS

- Can be used for large open spaces with very heterogeneous load demands. It can adapt to each needs within the large open space.
- It can provide outstanding comfort, state of the art solution for large open space applications.
- It is optimum for large open spaces (e.g.):
 - With internal heating loads
 - With glass walls suffering strong sun radiation



Specifications & accessories

Utopia Prime

	Refrigerant R32							
	monophase	monophase	triphase	monophase	triphase	monophase	triphase	
	7.1kW	10KW		12kW		14kW		
	RAS-3HVR2	RAS-4HVR2E	RAS-4HRC2E	RAS-5HVR2E	RAS-5HRC2E	RAS-6HVR2E	RAS-6HRC2E	
	Unit	3HP	4HP	5HP		6HP		
Nominal cooling capacity	kW	7.10	10.00		11.90		14.00	
Rated power input - cooling	kW	1.81	2.56		3.38		4.32	
EER	-	3.93	3.9		3.52		3.24	
Seasonal energy class - Cooling	-	A++	A++		A++		-	
SEER (average climate)	-	7.33	6.93	6.62	6.6 /	6.37	7.35	7.25
Temperature operating range - cooling mode	°C	-15°C / +46°C (DB) ₂						
Performance, heating								
Nominal heating capacity	kW	8.00	11.20		14.00		16.00	
Rated power input - heating	kW	4	4.57		3.89		4.23	
COP	-	4.11	4.23		3.98		4.4	
Seasonal energy class - Heating	-	A+	A+		A+		-	
SCOP (average climate)	-	4.2	4.36		4.26	4.25	4.73	
Temperature operating range - heating mode	°C	-20°C / +18°C (WB)						
General specifications								
Minimum - Maximum connectable indoor units		1-2	1-4		1-4		1-4	
Minimum - Maximum connected capacity	%	90% - 100%	90% - 115%		90% - 115%		90% - 115%	
Noise level cooling (sound pressure) (night mode)	dB(A)	54 (48)	54 (51)		54 (51)		56 (51)	
Noise level heating (sound pressure)	dB(A)	52	54		54		56	
Noise level (sound power)	dB(A)	69	70		70		72	
Air flow (cooling / heating)	m3/min	45	80		80		80	
Static pressure (ESP)	Pa	30	30		30		30	
Dimensions (H x W x D)	mm	629 x 799(+95) x 300	1140 x 950 x 370		1140 X 950 X 370		1140 X 950 X 370	
Net weight	kg	48	84	86	84	86	84	86
Electrical specifications								
Power supply	~ /V / Hz	1~ 230V 50Hz	1~ 230V 50Hz	3~ 400V 50HZ	1~ 230V 50Hz	3~ 400V 50HZ	1~ 230V 50Hz	3~ 400V 50HZ
Recommended circuit breaker	A	20	25		25		25	
Maximum current	A	15.8	22.5	15	22.5	15	22.5	15
Running current cooling	A	7.6	12.4	4.4	16.3	5.7	21.1	7.4
Running current heating	A	8.1	12.8	4.5	17.0	6.0	17.6	6.2
Size of power cable (according to EN 60335-1)	qty x mm²	3 x 4.0	3 x 6.0	5 X 4.0	3 x 6.0	5 X 4.0	3 x 6.0	5 X 4.0
Size of transmission cable between indoor unit and outdoor unit	qty x mm²	2 X 0.75						
Piping specifications								
Piping diameter (liquid / gas)	mm (inch)	3/8" - 5/8"	3/8" - 5/8"		3/8" - 5/8"		3/8" - 5/8"	
Minimum piping length	m	5	5		5		5	
Maximum piping length (chargeless)	m	20	20		20		20	
Maximum piping length	m	50	75		75		75	
Height difference (higher OU / lower OU)	m	30 / 20	30 / 20		30 / 20		30 / 20	
Refrigerant	-	R32						
Refrigerant charge before shipment	kg	1.7	3		3		3	
Additional refrigerant charge needed	g/m	45						
Compressor type		Rotative DC Inverter driven						

Controls & accessories

Individual controls				Central controls			
							
PC-ARFP1E (full wired)	PC-ARH1E (simple wired)	PC-AWR (Infrared)	PSC-A32MN (touch)	PSC-A64GT (touch)	Aircloud Pro	CSNET Lite (web)	CSNET Screenless (web)
				 			
				CSNET Manager 2T10 (web and touch) CSNET Manager 2T15 (web and touch)			

Refrigerant R410A											
monophase		triphase		monophase		triphase					
10KW				12KW		14KW					
RAS-4HVNC2E		RAS-4HNC2E		RAS-5HVNC2E		RAS-5HNC2E		RAS-6HVNC2E		RAS-6HNC2E	
4HP				5HP				6HP			
10.00				11.90				14.00			
2.86				3.78				4.91			
3.5				3.15				2.85			
A++				A++				-			
6.69		6.42		6.35		6.13		7.01		6.92	
-15°C / +46°C (DB) ₂											
11.20				14.00				16.00			
4.57				3.89				4.23			
4.3				3.98				4.4			
A+				A+				-			
4.4				4.24		4.23		4.71			
-20°C / +18°C (WB)											
1-4				1-4				1-4			
90% - 115%				90% - 115%				90% - 115%			
54 (51)				54 (51)				56 (51)			
54				54				56			
70				70				72			
80				80				80			
30				30				30			
1140 x 950 x 370				1140 X 950 X 370				1140 X 950 X 370			
84		86		84		86		84		86	
1~ 230V 50Hz		3~ 400V 50HZ		1~ 230V 50HZ		3~ 400V 50Hz		1~ 230V 50Hz		3~ 400V 50Hz	
25				25				25			
22.5		15		22.5		15		22.5		15	
13.8		4.9		18.3		6.4		23.7		8.3	
12.6		4.4		17.0		6.0		17.6		6.2	
3 x 6.0		5 X 4.0		3 X 6.0		5 x 4.0		3 x 6.0		5 x 4.0	
2 X 0.75											
3/8" - 5/8"				3/8" - 5/8"				3/8" - 5/8"			
5				5				5			
20				20				20			
75				75				75			
30 / 20				30 / 20				30 / 20			
R410a											
3											
45											
Rotative DC Inverter driven											

Controls & accessories

Communication protocol

			
MODBUS	BACNET	KNX	LONWORKS

Compatible accessories

	Condensation drainage kit DDB-26 (models 4 / 5 / 6 HP) DDB-12L (model 3 HP)		Remote sensor THM-R2AE		PCC-1A connectors
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Specifications & accessories

IXV Prime

	Refrigerant R32								
	monophase		triphas	monophase		triphas	monophase		triphas
	10KW			12kW			14kW		
	RAS-4HVRP2E		RAS-4HRP2E	RAS-5HVRP2E		RAS-5HRP2E	RAS-6HVRP2E		RAS-6HRP2E
	Unit	4HP		5HP			6HP		
Nominal cooling capacity	kW	10.00		12.5			14.00		
Rated power input - cooling	kW	2,51	2,51	0,34	0,34	4,32	4,32		
EER	-	3,98	3,98	3,66	3,66	3,24	3,24		
Seasonal energy class - Cooling	-	A++	A++						
SEER (average climate)	-	7,31	6,96	8,35	8,2	7,35	7,25		
Temperature operating range - cooling mode	°C	-5°C / +46°C (DB)							
Performance, Heating 1									
Nominal heating capacity	kW	11.20		14.00			16.00		
Rated power input - heating	kW								
COP	-	4,31		4,13			4,4		
Seasonal energy class - Heating	-	A++							
SCOP (average climate)	-	4,6		4,75		4,73			
Temperature operating range - heating mode	°C	-20°C / +18°C (WB)							
General specifications									
Minimum - Maximum connectable indoor units		1-4		1-4			1-4		
Minimum - Maximum connected capacity	%	90% - 115%		90% - 115%			90% - 115%		
Noise level cooling (sound pressure) (night mode)	dB(A)	54 (51)		54 (51)			56 (51)		
Noise level heating (sound pressure)	dB(A)	54		54			56		
Noise level (sound power)	dB(A)	70		70			72		
Air flow (cooling / heating)	m3/min			80					
Static pressure (ESP)	Pa			30					
Dimensions (H x W x D)	mm	1140 x 950 x 370							
Net weight	kg	84	86	84	86	84	86		
Electrical specifications									
Power supply	~ /V / Hz	1~ 230V 50Hz	3~ 400V 50Hz	1~ 230V 50Hz	3~ 400V 50Hz	1~ 230V 50Hz	3~ 400V 50Hz		
Recommended circuit breaker	A	25							
Maximum current	A	22.5	15	22.5	15	22.5	15		
Running current cooling	A	12.4	4.4	16.3	5.7	21.1	7.4		
Running current heating	A	12.8	4.5	17.0	6.0	17.6	6.2		
Size of power cable (according to EN 60335-1)	qty x mm²	3 x 6.0	5 x 4.0	3 x 6.0	5 x 4.0	3 x 6.0	5 x 4.0		
Size of transmission cable between indoor unit and outdoor unit	qty x mm²	2 X 0.75							
Piping specifications									
Piping diameter (liquid / gas)	mm (inch)	3/8" - 5/8"		3/8" - 5/8"			3/8" - 5/8"		
Minimum piping length	m	5							
Maximum piping length (chargeless)	m	20							
Maximum piping length	m	75							
Height difference (higher OU / lower OU)	m	30 / 20							
Refrigerant	-	R32							
Refrigerant charge before shipment	kg	3							
Additional refrigerant charge needed	g/m	45							
Compressor type		Rotative DC Inverter driven							

Controls & accessories

Individual controls			Central controls					
								
PC-ARFP1E (full wired)	PC-ARH1E (simple wired)	PC-AWR (Infrared)	PSC-A32MN (touch)	PSC-A64GT (touch)	Aircloud Pro	CSNET Lite (web)	CSNET Screenless (web)	CSNET Manager 2T10 (web and touch) CSNET Manager 2T15 (web and touch)

Refrigerant R410A					
monophase		triphas		monophase	
triphas		monophase		triphas	
10KW		12kW		14kW	
RAS-4HVN2E		RAS-4HNP2E		RAS-5HNP2E	
RAS-6HVN2E		RAS-6HNP2E		RAS-5HNP2E	
4HP		5HP		6HP	
10.00		12.5		14.00	
2,81	2,81	0,38	0,38	4,91	4,91
3,56	3,56	3,26	3,26	2,85	2,85
A++	A++				
7,04	6,72	7,8	7,67	7,01	6,92
-5°C / +46°C (DB)					
11.20		14.00		16.00	
4,38		4,13		4,4	
A++					
4,64		4,68		4,71	
-20°C / +18°C (WB)					
1-4		1-4		1-4	
90% - 115%		90% - 115%		90% - 115%	
54 (51)		54 (51)		56 (51)	
54		54		56	
70		70		72	
		80			
		30			
1140 x 950 x 370					
84	86	84	86	84	86
1~ 230V 50Hz		3~ 400V 50Hz		1~ 230V 50Hz	
3~ 400V 50Hz		1~ 230V 50Hz		3~ 400V 50Hz	
25					
22.5	15	22.5	15	22.5	15
13.8	4.9	18.3	6.4	23.7	8.3
12.6	4.4	17.0	6.0	17.6	6.2
3 x 6.0	5 x 4.0	3 x 6.0	5 x 4.0	3 x 6.0	5 x 4.0
2 x 0.75					
3/8" - 5/8"		3/8" - 5/8"		3/8" - 5/8"	
5		5		5	
20		20		20	
		75			
		30 / 20			
		R410a			
		3			
		45			
Rotative DC Inverter driven					

Controls & accessories

Communication protocol				Compatible accessories		
					Condensation drainage kit DDB-26 (models 4 / 5 / 6 HP) DDB-12L (model 3 HP)	 Remote sensor THM-R2AE
MODBUS	BACNET	KNX	LONWORKS			 PCC-1A connectors

If there are different needs at your application, separated in several small rooms, IVX Prime is the best choice. Individual settings for up to 4 rooms.



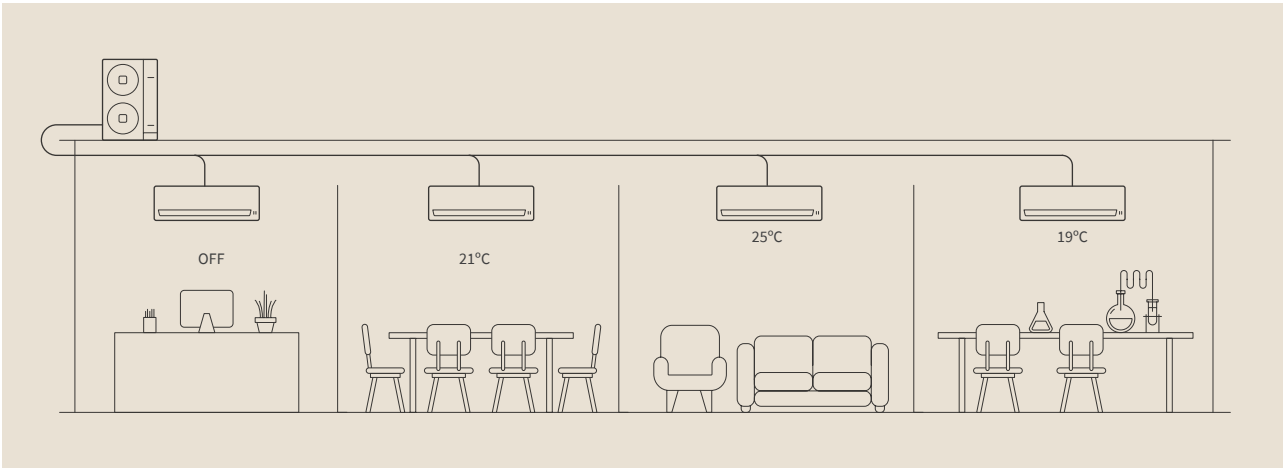
Multiroom applications



IVX Prime

CONCEPT

IVX Prime is the first range to introduce the concept of Micro VRF in for tertiary applications. Individual control is available up to 4 independent rooms.



SMALL YET FEATURED

IVX Prime is the smallest VRF in the market, however it is having outstanding features:

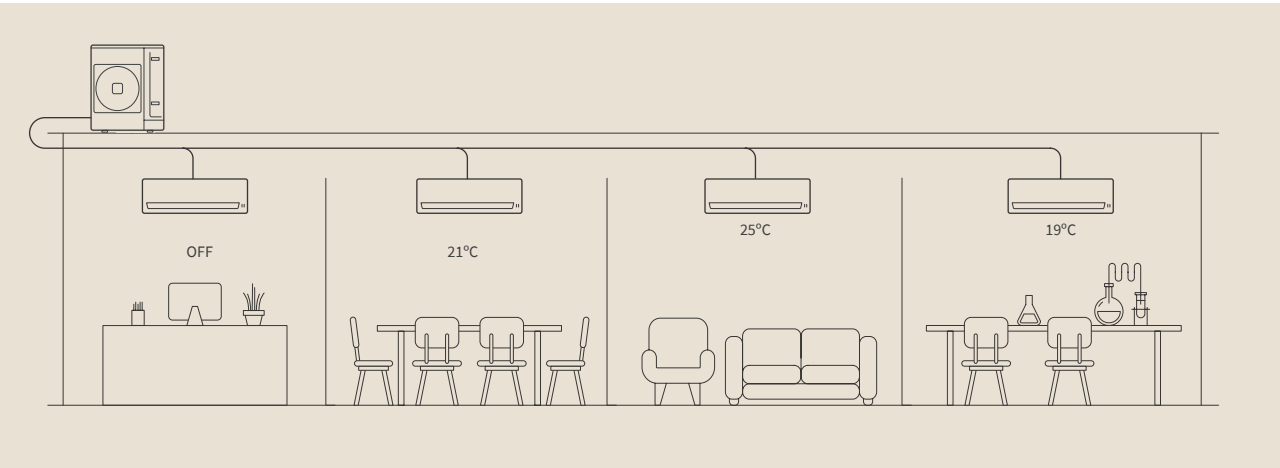
- Excellent performance values
- Compact size
- Comprehensive VRF indoor unit range
- Extense control range
- Capacity ratio from 90 to 115%
- Flexible piping lenghts
- 30Pa static pressure for ducted installation

ENVIRONMENTALLY FRIENDLY

IVX Prime is the first Hitachi VRF product to adapt into R32 refrigerant, being the first Micro VRF in the market to use this refrigerant!

IVX Prime

IVX Prime is the best choice for your small multiroom applications. For such this needs, a RAC multisplit might not have enough capacity or piping lenght, a twin system cannot offer different temperature settings for each room, and a mini VRF option might be too expensive. For this kind of needs, IVX prime is your best choice, which the features comfort level of a mini VRF and the lightness of a PAC equipment.



RAC multisplit

A schematic diagram of a four-room office environment. A single outdoor condenser unit is connected via a horizontal duct to four indoor VRF units. Each room has a different temperature setting: Room 1 (Office desk) is 'OFF', Room 2 (Dining table) is 21°C, Room 3 (Living area with sofa) is 25°C, and Room 4 (Lab area with equipment) is 19°C.

- Available capacity is smaller than micro VRF
- Piping distances are shorter
- Not valid for medium size applications

Simultaneous control (TWIN)

A schematic diagram of a four-room office environment. A single outdoor condenser unit is connected via a horizontal duct to four indoor VRF units. Each room has a different temperature setting: Room 1 (Office desk) is 'OFF', Room 2 (Dining table) is 21°C, Room 3 (Living area with sofa) is 25°C, and Room 4 (Lab area with equipment) is 19°C.

- All units operate same mode
- Cannot guarantee confort for all the rooms

Mini VRF

A schematic diagram of a four-room office environment. A single outdoor condenser unit is connected via a horizontal duct to four indoor VRF units. Each room has a different temperature setting: Room 1 (Office desk) is 'OFF', Room 2 (Dining table) is 21°C, Room 3 (Living area with sofa) is 25°C, and Room 4 (Lab area with equipment) is 19°C.

- Product is designed for bigger applications
- Application cost for 4 rooms application is much higher

Specifications & accessories

IVX Prime

	Refrigerant R32								
	monophase		triphas	monophase		triphas	monophase		triphas
	10KW			12kW			14kW		
	RAS-4HVRP2E		RAS-4HRP2E	RAS-5HVRP2E		RAS-5HRP2E	RAS-6HVRP2E		RAS-6HRP2E
	Performance, Cooling ,	Unit	4HP		5HP		6HP		
Nominal cooling capacity	kW	10.00		12.5		14.00			
Rated power input - cooling	kW	2,51	2,51	0,34	0,34	4,32	4,32		
EER	-	3,98	3,98	3,66	3,66	3,24	3,24		
Seasonal energy class - Cooling	-	A++	A++						
SEER (average climate)	-	7,31	6,96	8,35	8,2	7,35	7,25		
Temperature operating range - cooling mode	°C	-5°C / +46°C (DB)							
Performance, Heating ,									
Nominal heating capacity	kW	11.20		14.00		16.00			
Rated power input - heating	kW								
COP	-	4,31		4,13		4,4			
Seasonal energy class - Heating	-	A++							
SCOP (average climate)	-	4,6		4,75		4,73			
Temperature operating range - heating mode	°C	-20°C / +18°C (WB)							
General specifications									
Minimum - Maximum connectable indoor units		1-4		1-4		1-4			
Minimum - Maximum connected capacity	%	90% - 115%		90% - 115%		90% - 115%			
Noise level cooling (sound pressure) (night mode)	dB(A)	54 (51)		54 (51)		56 (51)			
Noise level heating (sound pressure)	dB(A)	54		54		56			
Noise level (sound power)	dB(A)	70		70		72			
Air flow (cooling / heating)	m3/min	80							
Static pressure (ESP)	Pa	30							
Dimensions (H x W x D)	mm	1140 x 950 x 370							
Net weight	kg	84	86	84	86	84	86		
Electrical specifications									
Power supply	~ / V / Hz	1~ 230V 50Hz	3~ 400V 50Hz	1~ 230V 50Hz	3~ 400V 50Hz	1~ 230V 50Hz	3~ 400V 50Hz		
Recommended circuit breaker	A	25							
Maximum current	A	22.5	15	22.5	15	22.5	15		
Running current cooling	A	12.4	4.4	16.3	5.7	21.1	7.4		
Running current heating	A	12.8	4.5	17.0	6.0	17.6	6.2		
Size of power cable (according to EN 60335-1)	qty x mm²	3 x 6.0	5 x 4.0	3 x 6.0	5 x 4.0	3 x 6.0	5 x 4.0		
Size of transmission cable between indoor unit and outdoor unit	qty x mm²	2 X 0.75							
Piping specifications									
Piping diameter (liquid / gas)	mm (inch)	3/8" - 5/8"		3/8" - 5/8"		3/8" - 5/8"			
Minimum piping length	m	5							
Maximum piping length (chargeless)	m	20							
Maximum piping length	m	75							
Height difference (higher OU / lower OU)	m	30 / 20							
Refrigerant	-	R32							
Refrigerant charge before shipment	kg	3							
Additional refrigerant charge needed	g/m	45							
Compressor type		Rotative DC Inverter driven							

Controls & accessories

Individual controls			Central controls					
								
PC-ARFP1E (full wired)	PC-ARH1E (simple wired)	PC-AWR (Infrared)	PSC-A32MN (touch)	PSC-A64GT (touch)	Aircloud Pro	CSNET Lite (web)	CSNET Screenless (web)	CSNET Manager 2T10 (web and touch) CSNET Manager 2T15 (web and touch)

Refrigerant R410A							
monophase		triphas		monophase		triphas	
10KW				12kW		14kW	
RAS-4HVN2E		RAS-4HNP2E		RAS-5HVN2E		RAS-5HNP2E	
RAS-6HVN2E		RAS-6HNP2E					
4HP				5HP		6HP	
10.00				12.5		14.00	
2,81	2,81	0,38	0,38	4,91	4,91		
3,56	3,56	3,26	3,26	2,85	2,85		
A++	A++						
7,04	6,72	7,8	7,67	7,01	6,92		
-5°C / +46°C (DB)							
11.20		14.00		16.00			
4,38		4,13		4,4			
A++							
4,64		4,68		4,71			
-20°C / +18°C (WB)							
1-4		1-4		1-4			
90% - 115%		90% - 115%		90% - 115%			
54 (51)		54 (51)		56 (51)			
54		54		56			
70		70		72			
		80					
		30					
1140 x 950 x 370							
84	86	84	86	84	86		
1~ 230V 50Hz	3~ 400V 50Hz	1~ 230V 50Hz	3~ 400V 50Hz	1~ 230V 50Hz	3~ 400V 50Hz		
25							
22.5	15	22.5	15	22.5	15		
13.8	4.9	18.3	6.4	23.7	8.3		
12.6	4.4	17.0	6.0	17.6	6.2		
3 x 6.0	5 x 4.0	3 x 6.0	5 x 4.0	3 x 6.0	5 x 4.0		
2 x 0.75							
3/8" - 5/8"		3/8" - 5/8"		3/8" - 5/8"			
5		5		5			
20		20		20			
		75					
		30 / 20					
		R410a					
		3					
		45					
Rotative DC Inverter driven							

Controls & accessories

Communication protocol				Compatible accessories		
					Condensation drainage kit DDB-26 (models 4 / 5 / 6 HP) DDB-12L (model 3 HP)	 Remote sensor THM-R2AE
MODBUS	BACNET	KNX	LONWORKS			 PCC-1A connectors

No limits for your indoor unit selection. A wide indoor type and capacity range to guarantee you have exactly what you need for your application.

Indoor units

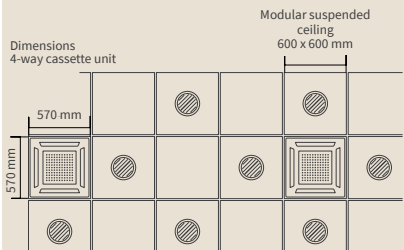


600 x 600 4-way cassette unit



Perfect fit

The 600 x 600 cassette unit has a compact design and flush front panel to integrate perfectly into suspended ceilings (570 x 570mm casing).



Low noise level

RCIM mini cassette series offers top silent units. For further noise reduction, they have 4 fan speeds for further lower noise needs.

Energy-saving

The motion sensor (optional) automatically optimizes the level of comfort while limiting the energy consumption in rooms only occupied occasionally. It continuously analyzes thermal disparities as well as the presence of people in the room, adjusting its setting temperature (+/- 2°C), fan speed, and airflow direction to suit.

Unrivald comfort

The GENTLE COOL fan temperature setting, accessible on the wired remote control PC-ARF1E, adjusts the fan blower temperature. In summer, cooling air currents are avoided as you can set the fan blower temperature to the minimum setting.

Design

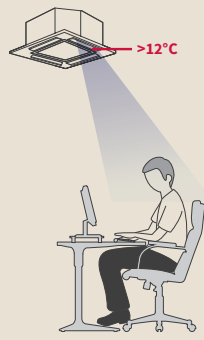
Our 600 x 600 cassette units have an impressive range of 0.8 to 2.5HP, offering flexibility like no other on the market. You can also use the adjustable capacity settings to respond precisely to each project.

Potential for discomfort



GentleCool: STOP

GentleCool → No cold drafts



GentleCool: WEAK



GentleCool: AVERAGE



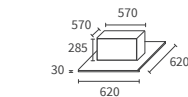
GentleCool: STRONG

Ultimate comfort



Min. Temp° control on the fan blower with the remote control PC-ARF1E or the CSNET monitoring system

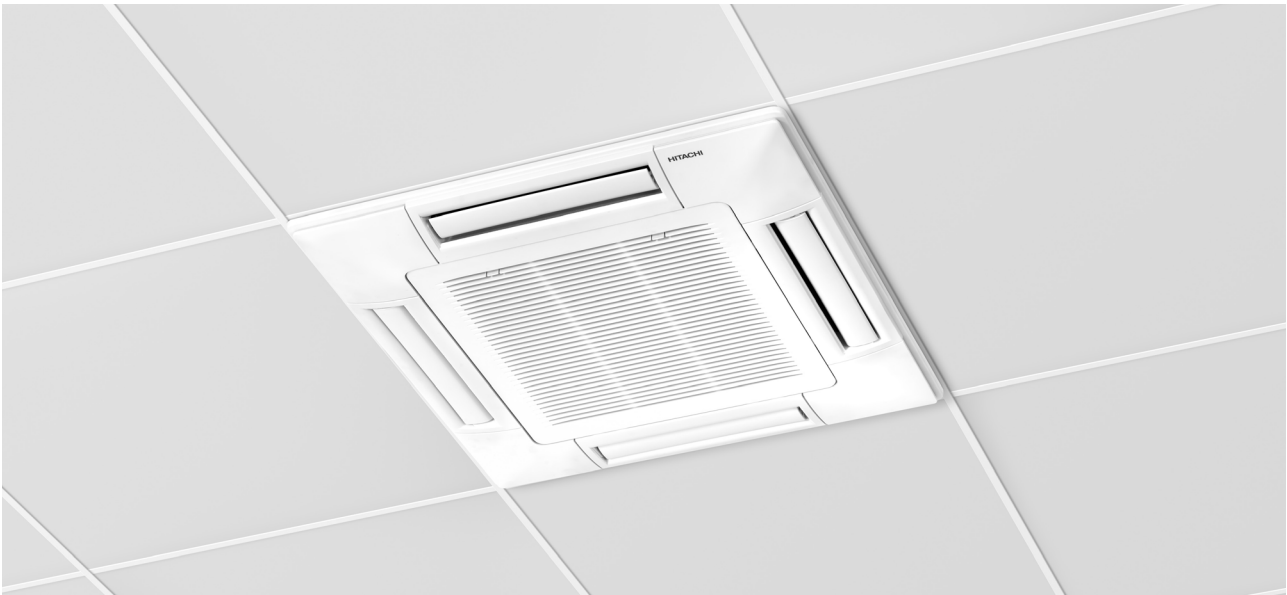
Indoor units



RCIM-0.8FSRE RCIM-2.0FSRE
RCIM-1.0FSRE RCIM-2.5FSRE
RCIM-1.5FSRE

600 x 600 4-way cassette

Indoor units		Unit	RCIM-0.8FSRE	RCIM-1.0FSRE	RCIM-1.5FSRE	RCIM-2.0FSRE	RCIM-2.5FSRE
Power supply		~ V / Hz	1~ 230V 50Hz				
Adjustable capacity		HP			1.5 - 1.3	2.0 -1.8	2.5 -2.3
Nominal cooling capacity		kW	2	2.5	3.6	5.0	5.6
Nominal heating capacity		kW	2.2	2.8	4.0	5.6	6.3
Air flow Speed (Hi2/Hi/Me/Lo)		m3/min	11/9.5/8/6	12/10/8.5/6	13/11/9.5/7	15/12/10/8	16/14/12/10
Sound pressure level Speed(Hi2/Hi/Me/Lo)		dB(A)	36/33/29/24.5	38/34/30/24.5	41/37/33/27.5	45/39/35/31	47/43/39/35
Drain pump included		-	Yes				
Drain-up height		mm	850	850	850	850	850
Sound power level		dB(A)	50	51	54	56	60
Outer dimensions	Height	mm	285	285	285	285	285
	Width	mm	570	570	570	570	570
	Depth	mm	570	570	570	570	570
Net weight		kg	16	16	16	17	17
Refrigerant							
Refrigerant pipe connection		Flare nuts					
Refrigerant pipe size	Liquid	mm	1/4"	1/4"	1/4"	1/4"	3/8"
	Gas	mm	1/2"	1/2"	1/2"	1/2"	5/8"
Condensate drain connection		mm	32mm	32mm	32mm	32mm	32mm
Maximum electricity demand		A	5	5	5	5	5
Compatible air panel model (sold separately as an option)			P-AP56NAM (without Motion Sensor)				
			P-AP56NAMS (motion Sensor embedded)				
			P-AP56NAMR (receiver kit embedded)				
Outer dimensions	Height	mm	30				
	Width	mm	620				
	Depth	mm	620				
Net weight		kg	2.5				
Remote control (Sold separately as an option)			PC-ARFP1E / PC-ARH1E / PC-AWR				



Controls and compatible accessories



Simple wired controller
PC-ARH1E



Infrared controller
PC-AWR



Intuitive multifunction cable control
PC-ARFP1E
(PC-ARFG-E available second half of 2021)



Remote sensor
THM-R2AE



Infrared receiver
PC-ALHC1 (integrated) / PC-ALHZ1 (external)



Fresh air kit
PD-75C



Motion sensor
SOR-NEC

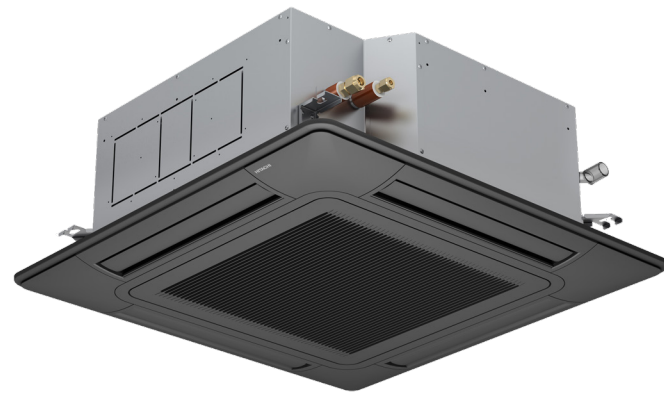


Input / Output connector
PCC-1A

800 x 800 4-way cassette unit



Standard White front panel



Standard Black front panel

Installation flexibility

The 800 x 800 cassette unit fits perfectly into suspended ceilings thanks to its low height (248 mm).

Installation in high ceiling is also possible due to the excellent air distribution these units can provide (installation of up to 4.20 m, depending on the model). In addition, it is equipped with a built in drain pump which can be installed with a maximum elevation of 850 mm..

Unrivalled comfort

The GENTLE COOL fan temperature setting, accessible on the wired remote control PC-ARF1E, adjusts the min. fan blower temperature.

In summer, cooling air currents are avoided as you can set the fan blower temperature to the minimum setting.

Energy-saving

The motion sensor (optional) automatically optimizes the level of comfort while limiting the energy consumption in rooms only occupied occasionally.

It continuously analyzes thermal disparities as well as the presence of people in the room, adjusting its setting temperature (+/- 2°C), fan speed, and airflow direction to suit.

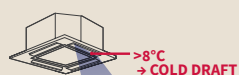
Design

Our 800 x 800 cassette units have an impressive range of 1 to 6HP, offering flexibility like no other on the market. You can also use the adjustable capacity settings to respond precisely to each project.

Aesthetics flexibility

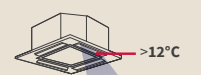
Either use a standard panel or the new iconic panel, both black and white versions are available. RCI-FSR cassettes will fit in any ambient.

Potential for discomfort

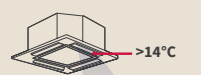


GentleCool: STOP

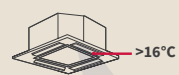
GentleCool → No cold drafts



GentleCool: WEAK



GentleCool: AVERAGE



GentleCool: STRONG

Ultimate comfort



Min. Temp° control on the fan blower with the remote control PC-ARF1E or the CSNET monitoring system

Indoor units



RCI-1.0FSR
RCI-1.5FSR
RCI-2.0FSR
RCI-2.5FSR

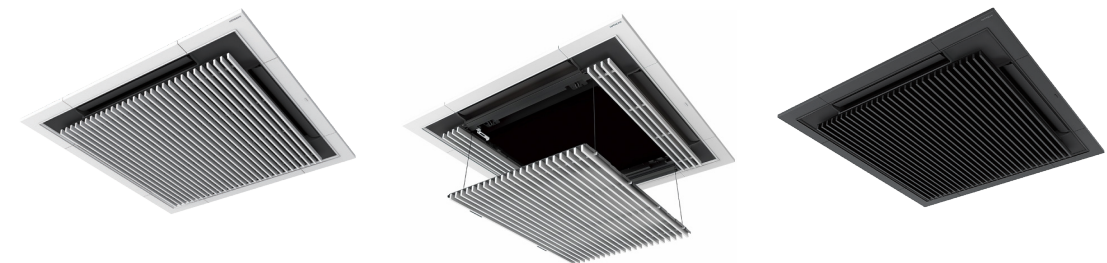
RCI-3.0FSR
RCI-4.0FSR
RCI-5.0FSR
RCI-6.0FSR

800 x 800 4-way cassette

Indoor units	Unit	RCI-1.0FSR	RCI-1.5FSR	RCI-2.0FSR	RCI-2.5FSR	RCI-3.0FSR	RCI-4.0FSR	RCI-5.0FSR	RCI-6.0FSR
Power supply	~V/Hz	1~ 230V 50Hz	1~ 230V 50Hz	1~ 230V 50Hz	1~ 230V 50Hz	1~ 230V 50Hz	1~ 230V 50Hz	1~ 230V 50Hz	1~ 230V 50Hz
Adjustable capacity	HP		1.5 - 1.3	2.0 - 1.8	2.5 - 2.3				
Nominal cooling capacity	kW	2.5	3.6	5.0	5.6	7.1	10.0	12.5	14.0
Nominal heating capacity	kW	2.8	4.0	5.6	6.3	8.0	11.2	14.0	16.0
Air flow Speed (Hi2/Hi/Me/Lo)	m3/min	15 / 13 / 11 / 9	21 / 17 / 14 / 11	22 / 17 / 14 / 11	27 / 23 / 18 / 14	27 / 23 / 18 / 14	37 / 31 / 24 / 20	37 / 33 / 26 / 21	37 / 35 / 28 / 22
Sound pressure level - Speed (Hi2/Hi/Me/Lo)	dB(A)	33 / 30 / 28 / 27	35 / 31 / 30 / 27	37 / 32 / 30 / 27	42 / 36 / 32 / 28	42 / 36 / 32 / 28	48 / 43 / 39 / 33	48 / 45 / 40 / 35	48 / 46 / 41 / 37
Sound power level	dB(A)	52	53	55	56	57	64	64	65
Drain pump included	-	Yes							
Drain-up height									
Drain-up height	mm	850							
Outer dimensions	Height	mm	248	248	248	248	298	298	298
	Width	mm	840	840	840	840	840	840	840
	Depth	mm	840	840	840	840	840	840	840
Net weight	kg	20	21	21	22	26	26	26	26
Refrigerant									
Refrigerant pipe connection									
Refrigerant pipe size	Liquid	mm (in)							
	Gas	mm (in)							
Condensate drain connection	mm	32							
Maximum electricity demand	A	5							
Compatible panel (standard model, sold separately as an option)		P-N23NA2 (white) / P-AP160KA3 (black)							

Silent-Iconic front panel (optional)

	Natural White	Black
Type of front panel	White front panel design	White front panel design equipped with lifting grid
Part number	P-GP160NAP	P-GP160NAPU
Dimensions (H x L x D)	52 x 950 x 950 mm	

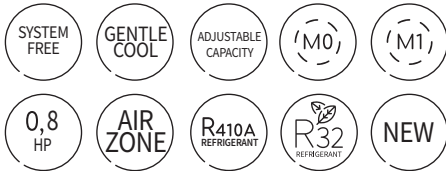


Wired control PC-ARFP1E (parameter d7)	Parameter value (d7)	01	02	03	04	05	06	07
Front panel lift (only available with P-GP160NAPU)	Height drop	1.0 m	1.5 m	2.0 m	2.5 m	3.0 m	3.5 m	4.0 m

Controls and compatible accessories

Simple wired controller PC-ARH1E	Infrared controller PC-AWR	Intuitive multifunction cable control PC-ARFP1E (PC-ARFG-E available second half of 2021)	Fresh air kit PD-75A
Remote sensor THM-R2AE	Infrared receiver PC-ALH3 (integrated) PC-ALHZ1 (external)	Air outlet kit (to deliver air to an additional separate room) PDF-71C1 / PDF-160C1	
Motion sensor PS-MSK2	Input / Output connector PCC-1A		

Ducted unit



Built in dry contact inputs

No need for extra PCB to connect key card and windows contact. Several options including mode change, temperature set back are available.

3 available outputs

Built-in outputs for operation status, alarm, operation status. It is easy to monitor unit operation without extra PCB or centralized control.

Easy installation

Can elevate condensates up to 850mm.

Filter is accessible from below and from the side of the unit.

Electronic box is deportable for a more

Compact and flexible to install units (RPIL)

Our new duct units offer greater flexibility when it comes to installation. RPIL ducted have rear refrigerant and draining connections, so installation can be done in each of 2 sides, or just straight.

Its reduced dimensions makes them appropriated to install in small places, and the built-in drain pump can be bypassed. Most flexible installation ever for the smallest places.

R410A and R32 compatible

RPI(L/H)-FSRE can be used with R410A and R32.

30% fresh air supply

All Hitachi duct units can work on 30% fresh air to guarantee proper air renewal.

Wide ESP range for your installation

Our new duct units ensure you will never lack static pressure in your installation. Our ranges offer these outstanding ESP levels: 100 Pa (RPIL-FSRE) 150 Pa (RPI-FSRE) 200 Pa (RPIH-FSRE)



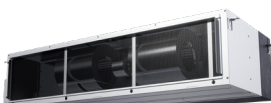
Slim ducted unit 100 Pa – 0.4 to 1.5 HP

- 197 mm Height
- 750 mm Width
- Filter accessible from below or from the right side
- Refrigerant and draining connections at the rear side
- Electronic box is deportable for a more flexible installation
- Integrated and bypassable drain pump



Ducted unit 150 Pa 1.5 to 6 HP

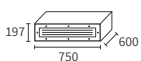
- 240 mm Height
- 750-1474 mm Width
- Filter accessible from below or from the right side
- Deportable electric box (1.5 and 2HP models)
- Integrated drain pump
- Specific models compatible with Econofresh



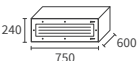
Ducted unit 200 Pa 4 to 6 HP

- 340 mm Height
- 1474 mm Width
- Filter accessible from below or from the right side

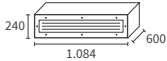
Indoor units



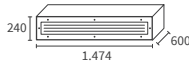
RPIL-0.8FSRE
RPIL-1.0FSRE
RPIL-1.5FSRE



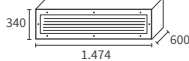
RPI-1.5FSRE
RPI-2.0FSRE



RPI-2.5FSRE
RPI-3.0FSRE



RPI-4.0FSRE
RPI-5.0FSRE
RPI-6.0FSRE



RPIH-4.0FSRE
RPIH-5.0FSRE
RPIH-6.0FSRE

Slim ducted unit, height 197mm (up to 100Pa available pressure)

Indoor units		Unit	RPIL-0.4FSRE	RPIL-0.6FSRE	RPIL-1.5FSRE
Power supply		~V/Hz	1~ 230V 50Hz	1~ 230V 50Hz	1~ 230V 50Hz
Nominal cooling capacity		kW	2.0	2.5	3.6
Nominal heating capacity		kW	2.2	2.8	4.0
Air flow Speed (Hi/Me/Lo)		m3 /min	7.7 / 6.5 / 5.7	7.7 / 6.5 / 5.7	8.8 / 7.9 / 6.5
External static pressure - Nominal (min -max)		Pa	25 (0-100)		
Sound pressure level - Speed (Hi/Me/Lo)		dB(A)	28 / 25 / 23	28 / 25 / 23	30 / 29 / 25
Sound power level		dB(A)	47		
Drain pump included		-	Yes		
Drain-up height		mm	850		
Net weight		kg	23		
Outer dimensions	Height	mm	197	197	197
	Width	mm	750	750	750
	Depth	mm	600	600	600
Refrigerant			R32/R410A		
Refrigerant pipe connection			Flare nuts		
Refrigerant pipe size	Liquid	mm (in)	1/4"	1/4"	1/4"
	Gas	mm (in)	1/2"	1/2"	1/2"
Condensate drain connection		mm	32		
Maximum electricity demand		A	5		

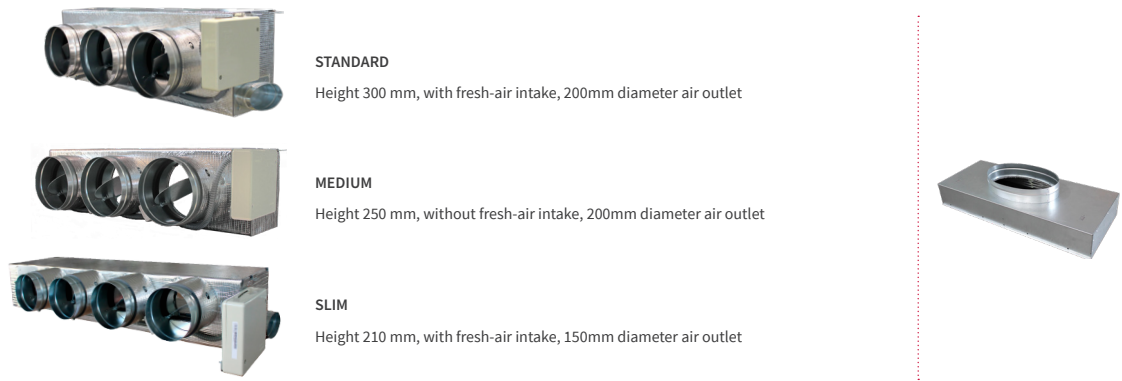
Compact ducted unit (up to 150Pa available pressure)

Indoor units		Unit	RPI-1.5FSRE	RPI-2.0FSRE	RPI-2.5FSRE	RPI-3.0FSRE	RPI-4.0FSRE	RPI-5.0FSRE	RPI-6.0FSRE
Power supply		~V/Hz	1~ 230V 50Hz	1~ 230V 50Hz	1~ 230V 50Hz	1~ 230V 50Hz	1~ 230V 50Hz	1~ 230V 50Hz	1~ 230V 50Hz
Nominal cooling capacity		kW	3.6	5.0	5.6	7.1	10.0	12.5	14.0
Nominal heating capacity		kW	4.0	5.6	6.3	8.0	11.2	14.0	16.0
Air flow Speed (Hi/Me/Lo)		m3 /min	15 / 12 / 9	17 / 14 / 11	23 / 20 / 17	26 / 22 / 18	36 / 29 / 24	40 / 35.5 / 31	43 / 37 / 31
External static pressure - Nominal (min -max)		Pa	25 (0-150)	25 (0-150)	25 (0-150)	37 (0-150)	37 (0-150)	50 (0-150)	50 (0-150)
Sound pressure level - Speed (Hi/Me/Lo)		dB(A)	TBC	TBC	TBC	TBC	TBC	TBC	TBC
Sound power level		dB(A)	TBC	TBC	TBC	TBC	TBC	TBC	TBC
Drain pump included		-	Yes						
Drain-up height		mm	850	850	850	850	850	850	850
Net weight		kg	240	240	240	240	240	240	240
Outer dimensions	Height	mm	750	750	1084	1084	1474	1474	1474
	Width	mm	600	600	600	600	600	600	600
	Depth	mm	25	25	30	30	36	36	36
Refrigerant			R32/R410A						
Refrigerant pipe connection			Flare nuts						
Refrigerant pipe size	Liquid	mm (in)	1/4"	1/4"	3/8"	3/8"	3/8"	3/8"	3/8"
	Gas	mm (in)	5/8"	5/8"	5/8"	5/8"	5/8"	5/8"	5/8"
Condensate drain connection		mm	32 mm	32 mm	32 mm	32 mm	32 mm	32 mm	32 mm
Maximum electricity demand		A	5	5	5	5	5	5	5

High-Pressure ducted unit (up to 200 Pa available pressure)

Indoor units		Unit	RPI-1.5FSRE	RPI-2.0FSRE	RPI-2.5FSRE
Power supply		~V/Hz	1~ 230V 50Hz	1~ 230V 50Hz	1~ 230V 50Hz
Nominal cooling capacity		kW	10.0	12.5	14.0
Nominal heating capacity		kW	11.2	14.0	16.0
Air flow Speed (Hi/Me/Lo)		m3 /min	36 / 31 / 26	40 / 35 / 30	40 / 35 / 30
External static pressure - Nominal (min -max)		Pa	50 (0-200)	50 (0-200)	50 (0-200)
Sound pressure level - Speed (Hi/Me/Lo)		dB(A)	TBC	TBC	TBC
Sound power level		dB(A)	TBC	TBC	TBC
Drain pump included		-	Yes		
Drain-up height		mm	850	850	850
Net weight		kg	340	340	340
Outer dimensions	Height	mm	1474	1474	1474
	Width	mm	600	600	600
	Depth	mm	43	43	43
Refrigerant			R32/R410A		
Refrigerant pipe connection			Flare nuts		
Refrigerant pipe size	Liquid	mm (in)	3/8"	3/8"	3/8"
	Gas	mm (in)	5/8"	5/8"	5/8"
Condensate drain connection		mm	32 mm	32 mm	32 mm
Maximum electricity demand		A	5	5	5

Compatibility table: airzone plenum with ducted units RPIL and RPI



		Blower plenum	2 air outlets	3 air outlets	4 air outlets	5 air outlets	6 air outlets	Air extraction plenum
RPIL-FSRE	1.0-1.5 (750 x 197 mm)	Slim	-	AZEZ6HITSL08L3	AZEZ6HITSL08L4	AZEZ6HITSL08L5	-	AZCEZHPR08XS
		Medium	AZEZ6HITBS08XS2	AZEZ6HITBS08XS3	-	-	-	
RPI-FSRE	1.5-2.0 (750 x 240 mm)	Standard	AZEZ6HITST08S2	AZEZ6HITST08S3	AZEZ6HITST08S4	-	-	AZCEZHPR08S
		Medium	AZEZ6HITBS08S2	AZEZ6HITBS08S3	AZEZ6HITBS08S4	-	-	
	2.5-3.0 (1084 x 240 mm)	Standard	-	AZEZ6HITST08M 3	AZEZ6HITST08M4	AZEZ6HITST08M5	AZEZ6HITST08M6	AZCEZHPR08M
		Medium	-	AZEZ6HITBS08M 3	AZEZ6HITBS08M4	AZEZ6HITBS08M5	AZEZ6HITBS08M6	
	4.0-5.0-6.0 (1474 x 240 mm)	Standard	-	-	-	AZEZ6HITST08L5	AZEZ6HITST08L6	AZCEZHPR08L
		Medium	-	-	-	AZEZ6HITBS08L5	AZEZ6HITBS08L6	

Connected and intuitive interfaces



Airzone Blueface Thermostat
Wired connection / 3.5" touchscreen: Configurable as a general thermostat or by zone. End-to-end, intuitive interface. Control the temperature, mode, and fan speed. Weekly programming. Access to weather forecasts (with Airzone Cloud webserver login) to anticipate changes in temperature.



Airzone Think thermostat
Wired or wireless connection / 2.7" screen: Configurable as a general thermostat or by zone. Low-energy device that makes it easy to reduce energy costs. Stylish and intuitive interface. Control the temperature, mode, and fan speed. Access to weather forecasts (with Airzone Cloud webserver login) to anticipate changes in temperature.



Thermostat Airzone Lite
Wired or wireless connection: In systems with the Blueface thermostat, this solution is perfect for quick access to essential functions. Its modern and fun interface makes it easier to use, with colors indicating the mode and temperature of the area. Start/ Stop function. Control the setting temperature in increments of 1°C with a scope of ±3°C.



Webserver Airzone Cloud
The Airzone Cloud app, compatible on your smartphone, tablet, and PC, offers complete remote control of the installation; anywhere, anytime. You can control multiple servers at once and up to 32 systems on a single webserver. All the features of your thermostats are combined on the cloud: Temperature control, weekly programming, weather forecasts, login authorization...

WIRED	AZE6BLUEFACECB / AZCE6BLUEFACEN (white / black)	AZE66THINKCB / AZCE6THINKCN (white / black)	AZE66LITECB / AZCE6LITECN (white / black)	AZX6WSCLOUDDINC
WIRELESS	-	AZE66THINKRB / AZCE6THINKRB (white / black)	AZE66LITERB / AZCE6LITERN (white / black)	AZX6WSCLOUDDINR
WIRELESS	AZX6CABLEBUS10 (2X0,5+2X0,22) 10 m	AZX6CABLEBUS10	AZX6CABLEBUS10	AZX6CABLEBUS10

Controls and compatible accessories



Simple wired controller
PC-ARH1E



Infrared controller
PC-AWR



Intuitive multifunction cable control
PC-ARFP1E
(PC-ARFG-E available second half of 2021)



Motion sensor
All sizes of ducted unit
SOR-MSK



Remote sensor
THM-R2AE



Infrared receiver
PC-ALHZ1 (external)



Kit for bottom air inlet configuration
D-ICA15R → RPIL (100 Pa)
D-ICA20R → RPI 1.5 to 2.0 hp (150 Pa)
D-ICA30R → RPI 2.5 to 3.0 hp (150 Pa)
D-ICA60R → RPI 4.0 to 6.0 hp (150 Pa)



Input / Output connector
PCC-1A

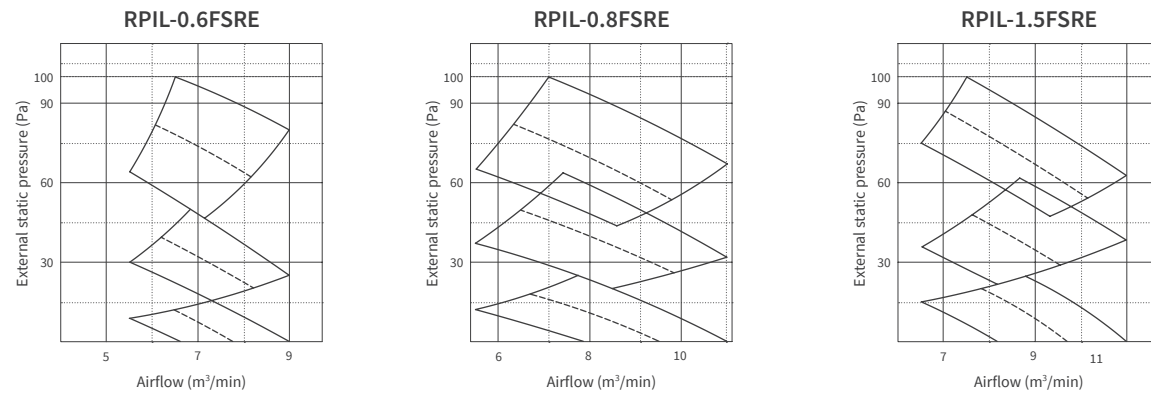


Drain gravity kit
D-DGK15R

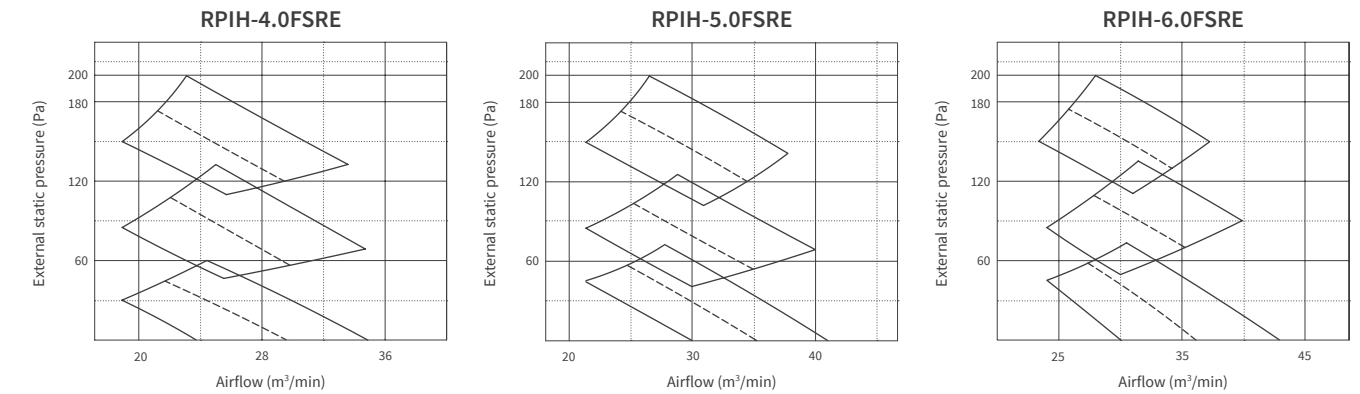


Static pressure curve

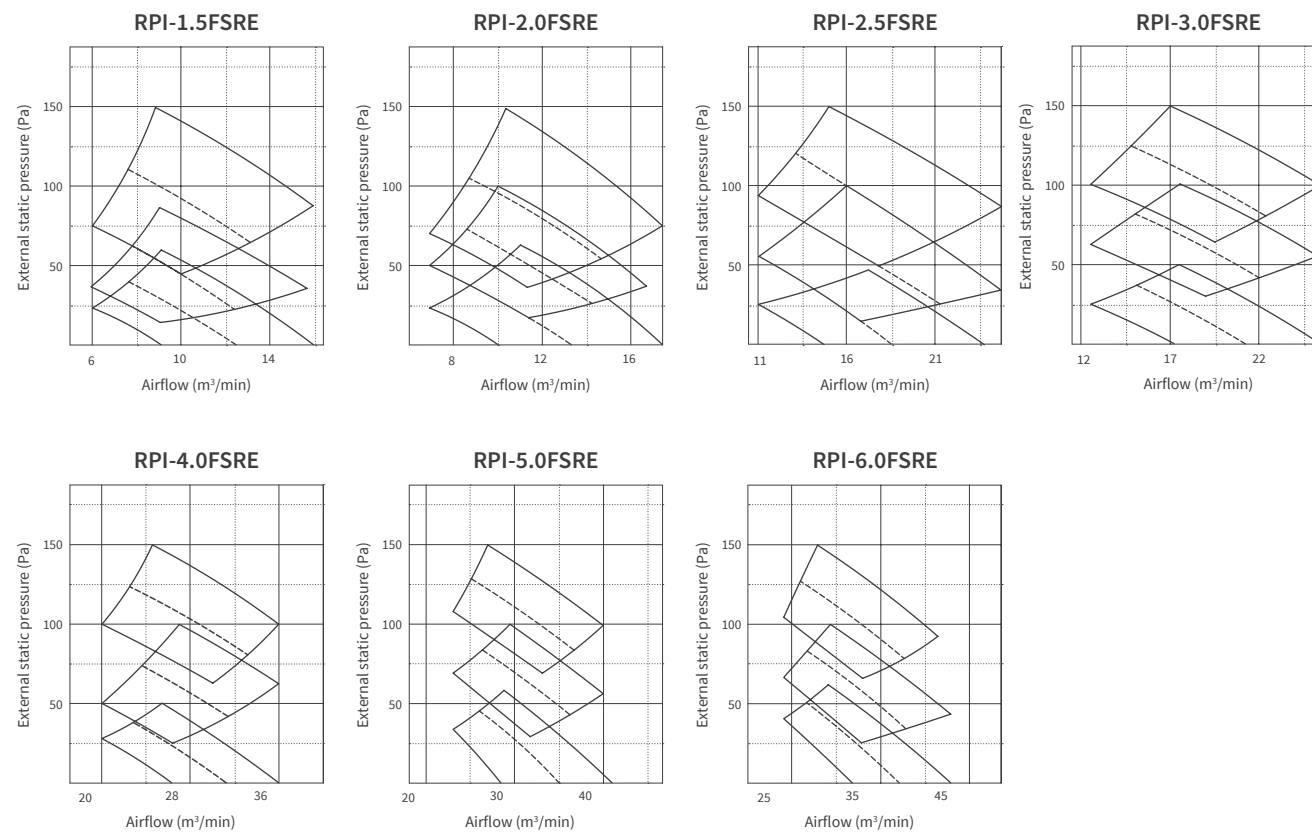
Ducted unit 100 Pa (RPIL-0.8~1.5FSRE)



Ducted unit 200 Pa (RPIH-4~6FSRE)



Ducted unit 150 Pa (RPI-1.5~6FSRE)



Caution

- For units RPIL/RPI/RPIH-(0.4-6.0)FSRE, in the case of short-ducted systems, please select SP-02 on the remote control. To set up SP-02, check out the optional functions C5->"02", the static low-pressure option.
- Maintain minimal resistance in the ducted, as shown on the fan performance charts. Starting up the unit with too short a ducted results means it will run outside the permissible operating range.

Ceiling unit



Ceiling unit

Indoor units		Unit	RPC-1.5FSR	RPC-2.0FSR	RPC-2.5FSR	RPC-3.0FSR	RPC-4.0FSR	RPC-5.0FSR	RPC-6.0FSR
Power supply		~ V / Hz	1~ 230V 50Hz						
Adjustable capacity		HP	1.5 - 1.3	2.0 -1.8	2.5 -2.3				
Nominal cooling capacity		kW	3.6	5.0	5.6	7.1	10.0	12.5	14.0
Nominal heating capacity		kW	4.0	5.6	6.3	8.0	11.2	14.0	16.0
Air flow Speed (Hi2/Hi/Me/Lo)		m3/min	15/13/11/9	15/13/11/9	19/16.5/14/11.5	21/18.5/15.5/12.5	30/26.5/22/17	35/31/25.5/20	37/32.5/27/21
Sound pressure level Speed(Hi2/Hi/Me/Lo)		dB(A)	37/35/31/28	38/35/31/28	38/35/31/28	40/37/33/29	44/42/37/32	48/45/41/35	49/47/42/36
Drain pump included		-	53/50/46/43	54/50/46/43	54/50/47/44	56/52/48/44	60/57/52/47	64/60/56/50	65/62/57/51
Outer dimensions	Height	mm	235	235	235	235	235	235	235
	Width	mm	960	960	1270	1270	1580	1580	1580
	Depth	mm	690	690	690	690	690	690	690
Net weight		kg	26	27	35	35	41	41	41
Refrigerant			R32/R410A						
Refrigerant pipe connection			Flare nuts						
Refrigerant pipe size	Liquid	mm	1/4"	1/4"	3/8"	3/8"	3/8"	3/8"	3/8"
	Gas	mm	1/2"	5/8"	5/8"	5/8"	5/8"	5/8"	5/8"
Condensate drain connection		mm	32 mm	32 mm	32 mm	32 mm	32 mm	32 mm	32 mm
Maximum electricity demand		A	5	5	5	5	5	5	5
Remote control (Sold separately as an option)			PC-ARFP1E / PC-ARH1E / PC-AWR						

Controls and compatible accessories

Simple wired controller
PC-ARH1E

Infrared controller
PC-AWR

Intuitive multifunction cable control
PC-ARFP1E
(PC-ARFG-E available second half of 2021)

Remote sensor
THM-R2AE

Infrared receiver
PC-ALHP1 (integrated) / PC-ALHZ1 (external)

Drain pump
DUPC-63K1 (extraction pump RPC-1.5FSR)
DUPC-71K1 (extraction pump RPC-2.0FSR)
DUPC-160K1 (extraction pump RPC-(2.5-6.0)FSR)

Motion sensor
SOR-NEP

Input / output connector
PCC-1A

Energy-saving

The motion sensor (optional) automatically optimizes the level of comfort while limiting the energy consumption in rooms only occupied occasionally. It continuously analyzes thermal disparities as well as the presence of people in the room, adjusting its setting temperature (+/- 2°C), fan speed, and airflow direction to suit.

Higher circulation rate

Use the 4 fan speeds to adapt the airflow for comfort in every room.

Optional drain pump

Drain pump is optional so installer can decide at which installations to use it.

Unrivalled comfort

The GENTLE COOL fan temperature setting, accessible on the wired remote control PC-ARF1E, adjusts the min. fan blower temperature. In summer, cooling air currents are avoided as you can set the adjustable minimum blowing temperature.

Potential for discomfort



GentleCool: STOP

GentleCool → No cold drafts



GentleCool: WEAK



GentleCool: AVERAGE



GentleCool: STRONG

Ultimate comfort



Min. Temp° control on the fan blower with the remote control PC-ARF1E or the CSNET monitoring system

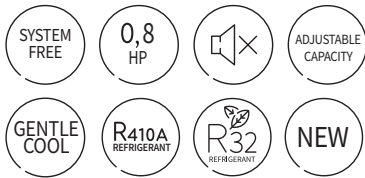
Indoor units

RPC-1.5FSR
RPC-2.0FSR

RPC-2.5FSR
RPC-3.0FSR

RPC-4.0FSR
RPC-5.0FSR
RPC-6.0FSR

Wall mounted unit



One of the most extensive ranges on the market: 17 models

With models ranging from 0.4 HP to 4.0 HP, Hitachi offers one of the biggest ranges on the market, with a harmonized design across all models. You can also use the adjustable power settings to respond precisely to each project.

Easy and discreet integration

Our units are so compact and lightweight that you can easily install them discreetly above a doorway. To help with maintenance work, the turbine on the 2 HP to 4 HP models can be replaced without disassembling the exchanger.

Unrivalled comfort

The « GENTLE COOL » fan temperature setting, accessible on the wired remote control PC-ARF1E, adjusts the min. fan blower temperature. In summer, cooling air currents are avoided as you can set the fan blower temperature to the minimum setting.

Silent operation: deportable EV

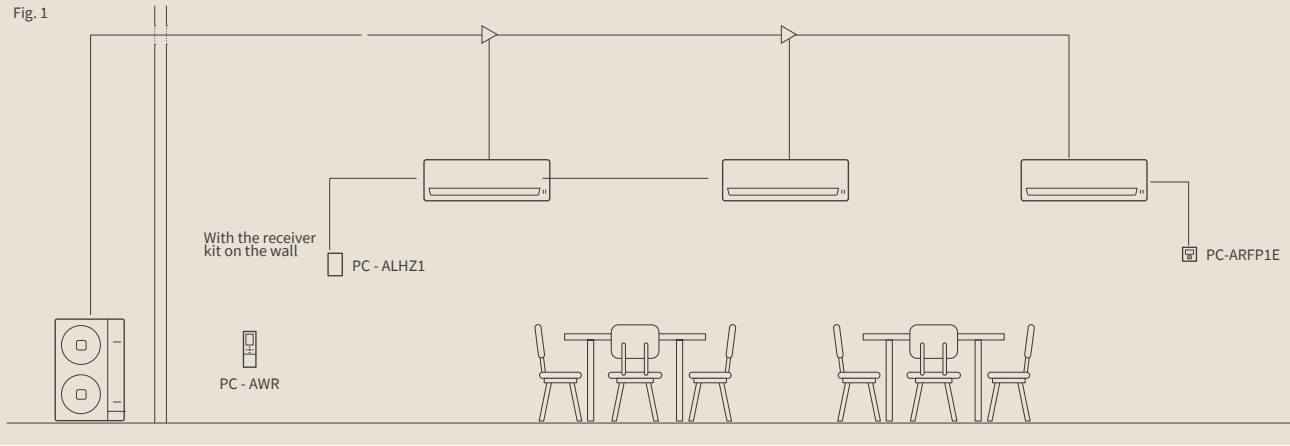
0.8 to 1.5 HP units can be ordered without built in EV (version H) to install it deported (EV-1.5N1 ordered separately). This way EV is kept away the unit for even quieter comfort. This is very convenient for strict low noise requirement applications, such as hotel rooms.

Central control

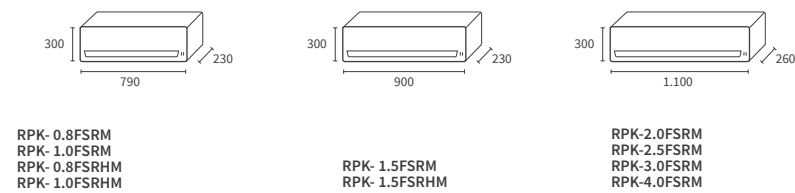
Our wall units are compatible with all types of remote control and feature an integrated infrared receiver as standard. Available as an option, with the PC-ALHZ1 infrared receiver you can operate multiple units on the same remote control. (Fig.1)

Higher circulation rate

Use the 4 fan speeds to adapt the airflow for comfort in every room.



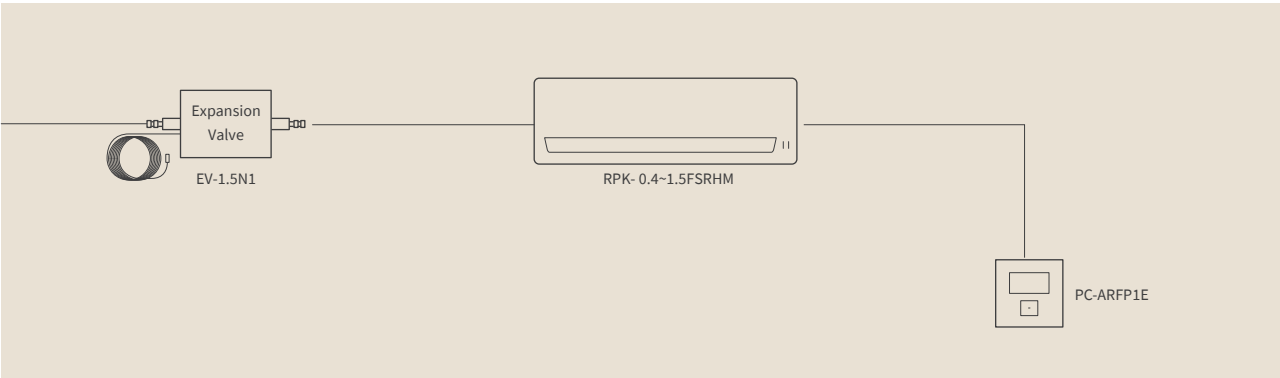
Indoor units



Wall unit

Indoor units		Unit	RPK-0.8FSR(H)M ⁽¹⁾	RPK-1.0FSR(H)M ⁽¹⁾	RPK-1.5FSR(H)M ⁽¹⁾	RPK-2.0FSRM	RPK-2.5FSRM	RPK-3.0FSRM	RPK-4.0FSRM
Power supply		~ / V / Hz	1~ 230V 50Hz						
Adjustable capacity		HP				2.0 -1.8	2.5 -2.3		
Nominal cooling capacity		kW	2.0	2.5	3.6	5.0	5.6	7.1	10.0
Nominal heating capacity		kW	2.2	2.8	4.0	5.6	6.3	8.0	11.2
Air flow Speed (Hi2/Hi/Me/Lo)		m3/min	10/8/7/6.5	10/8/7/6.5	14/11/9/7.5	14.5/13/11/9.5	18.5/16.5/14/12	20/17.5/15.5/12.5	23/20/17.5/14.5
Sound pressure level Speed (Hi2/Hi/Me/Lo)		dB(A)	39/35/32/30	39/35/32/30	46/40/36/33	40/37/34/31	45/42/38/35	47/44/40/35	51/48/44/39
Drain pump included		-	53/49/47/45	53/49/47/45	58/54/50/47	55/53/50/47	60/58/54/51	63/60/56/51	65/64/60/54
Outer dimensions	Height	mm	300	300	300	300	300	300	300
	Width	mm	790	790	900	1100	1100	1100	1100
	Depth	mm	230	230	230	260	260	260	260
Net weight		kg	10	10	11	14.5	15	15	15
Refrigerant			R32/R410A						
Refrigerant pipe connection			Flare nuts						
Refrigerant pipe size	Liquid	mm	1/4"	1/4"	1/4"	1/4"	3/8"	3/8"	3/8"
	Gas	mm	1/2"	1/2"	1/2"	1/2"	5/8"	5/8"	5/8"
Condensate drain connection		mm	20mm	20mm	20mm	20mm	20mm	20mm	20mm
Maximum electricity demand		A	5	5	5	5	5	5	5
Remote control (Sold separately as an option)			PC-ARFP1E / PC-ARH1E / PC-AWR ^(*)						

⁽¹⁾ "H" indicates departed EV model. EV valve not included (EV-1.5N1).
^(*) IR receiver is built in Indoor unit.



Controls and compatible accessories

Simple wired controller
PC-ARH1E

Infrared controller
PC-AWR

Intuitive multifunction cable control
PC-ARFP1E
(PC-ARFG-E available second half of 2021)

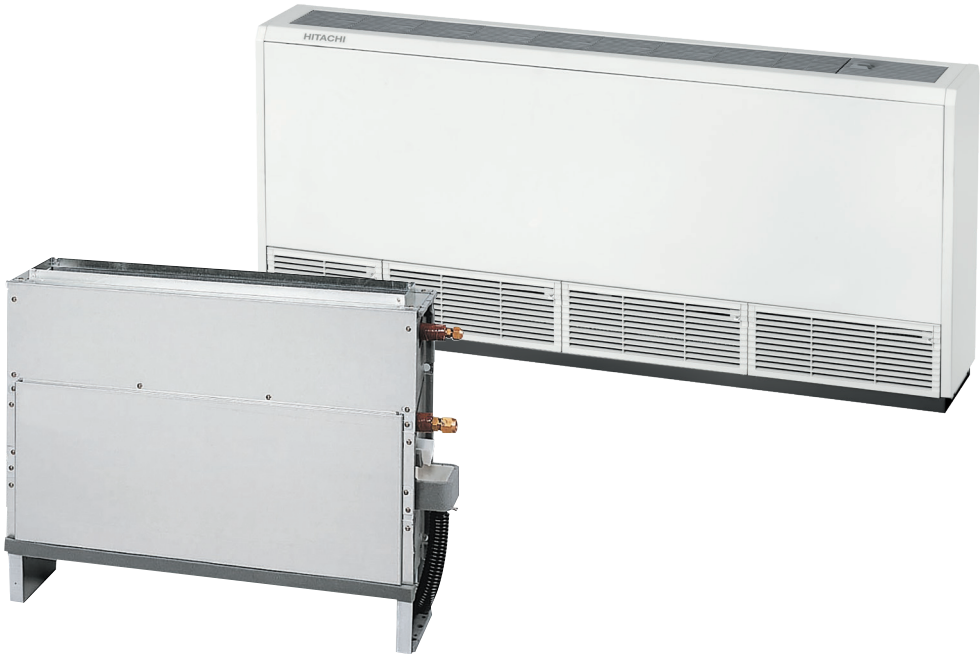
Input / Output connector
PCC-1A

Remote sensor
THM-R2AE

Infrared receiver
PC-ALHZ1 (external)

Expansion valve kit
EV-1.5N1

Floor standing unit



Floor

Indoor units		Unit	RPF-1.0FSN2E	RPF-1.5FSN2E	RPF-2.0FSN2E	RPF-2.5FSN2E
Power supply		~ V / Hz	1~ 230V 50Hz			
Adjustable capacity		HP		1.5 - 1.3	2.0 -1.8	2.5 -2.3
Nominal cooling capacity		kW	2.5	3.6	5.0	5.6
Nominal heating capacity		kW	2.8	4.0	5.6	6.3
Air flow Speed (Hi2/Hi/Me/Lo)		m3/min	8.5/7/6	12/10/9	16/14/11	16/14/11
Sound pressure level Speed(Hi2/Hi/Me/Lo)		dB(A)	35/32/29	38/35/31	39/36/32	42/38/34
Sound power level		dB(A)	57	60	60	60
Outer dimensions	Height	mm	630	630	630	630
	Width	mm	1045	1170	1420	1420
	Depth	mm	220	220	220	220
Net weight		kg	25	28	33	34
Refrigerant			R410A			
Refrigerant pipe connection			Flare nuts			
Refrigerant pipe size	Liquid	mm	1/4"	1/4"	1/4"	3/8"
	Gas	mm	1/2"	1/2"	5/8"	5/8"
Condensate drain connection		mm	18.5mm	18.5mm	18.5mm	18.5mm
Maximum electricity demand		A	5	5	5	5
Remote control (Sold separately as an option)			PC-ARFP1E / PC-AWR			

Indoor units		Unit	RPFI-1.0FSN2E	RPFI-1.5FSN2E	RPFI-2.0FSN2E	RPFI-2.5FSN2E
Power supply		~ V / Hz	1~ 230V 50Hz			
Adjustable capacity		HP		1.5 - 1.3	2.0 -1.8	2.5 -2.3
Nominal cooling capacity		kW	2.5	3.6	5.0	5.6
Nominal heating capacity		kW	2.8	4.0	5.6	6.3
Air flow Speed (Hi2/Hi/Me/Lo)		m3/min	8.5/7/6	12/10/9	16/14/11	16/14/11
Sound pressure level Speed(Hi2/Hi/Me/Lo)		dB(A)	35/32/29	38/35/31	39/36/32	42/38/34
Sound power level		dB(A)	57	60	60	60
Outer dimensions	Height	mm	620	620	620	620
	Width	mm	848	973	1223	1223
	Depth	mm	220	220	220	220
Net weight		kg	19	23	27	28
Refrigerant			R410A			
Refrigerant pipe connection			Flare nuts			
Refrigerant pipe size	Liquid	mm	1/4"	1/4"	1/4"	3/8"
	Gas	mm	1/2"	1/2"	5/8"	5/8"
Condensate drain connection		mm	18.5mm	18.5mm	18.5mm	18.5mm
Maximum electricity demand		A	5	5	5	5
Remote control (Sold separately as an option)			PC-ARFP1E / PC-AWR			

Unrivald comfort

The GENTLE COOL fan temperature setting, accessible on the wired remote control PC-ARF1E, adjusts the min. fan blower temperature. In summer, cooling air currents are avoided as you can set the fan blower temperature to the minimum setting.

Even greater flexibility

To suit any requirement, the console comes in non-enclosed version (horizontal or vertical blowing) as well as enclosed. You can also use the adjustable power settings to respond precisely to each project.

Compact design

Just 220 mm deep, non-enclosed units can be installed anywhere on the wall, taking up very little floor space. The 630 mm height makes it an ideal solution for air-conditioning or heating a room.

Integrated remote control

For easier access, the remote control can be integrated into the console itself (Fig.1)

Adapted air circulation

On Hitachi non-enclosed consoles, you can change the blowing direction to suit any need. (Fig.2)

Fig. 1

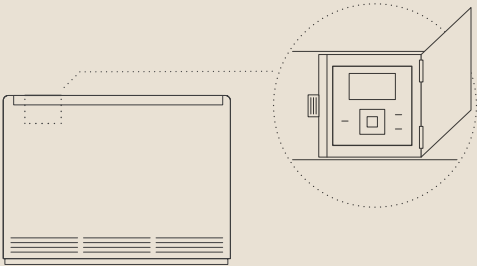
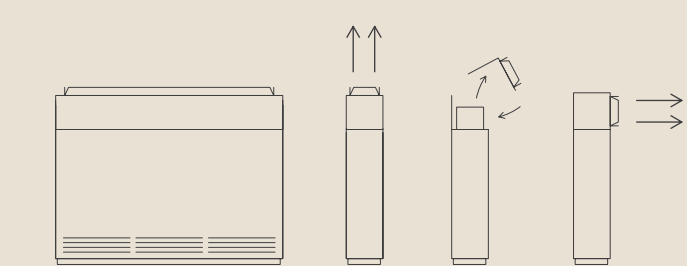
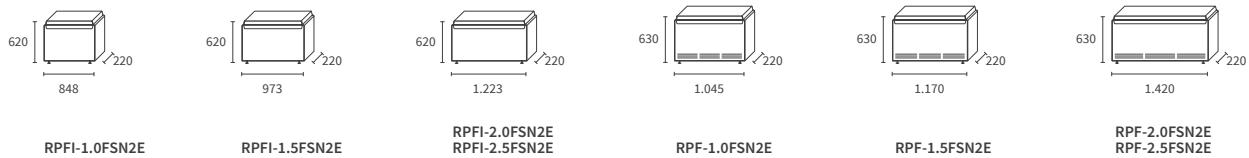


Fig. 2



Indoor units



Controls and compatible accessories



Simple wired controller
PC-ARH1E



Infrared controller
PC-AWR



Intuitive multifunction
cable control
PC-ARFP1E
(PC-ARFG-E available
second half of 2021)



Input / Output connector
PCC-1A



Remote sensor
THM-R2AE



Infrared receiver
PC-ALHZ1 (external)

2-way cassette unit



2-way cassette unit

Indoor units		Unit	RCD-0.8FSR	RCD-1.0FSR	RCD-1.5FSR	RCD-2.0FSR	RCD-2.5FSR	RCD-3.0FSR	RCD-4.0FSR	RCD-5.0FSR	RCD-6.0FSR
Power supply		~ / V / Hz	1~ 230V 50Hz								
Adjustable capacity		HP			1.5 - 1.3	2.0 - 1.8	2.5 - 2.3				
Nominal cooling capacity		kW	2.0	2.5	3.6	5.0	5.6	7.1	10.0	12.5	14.0
Nominal heating capacity		kW	2.2	2.8	4.0	5.6	6.3	8.0	11.2	14.0	16.0
Air flow Speed (Hi2/Hi/Me/Lo)		m3/min	10/9/7.5/6.5	11/9.5/8.5/7	15/13/11.5/10			21/18.5/16/12.5	30/26.5/23/20	35/31/27/21	37/32.5/28.5/24
Sound pressure level Speed(Hi2/Hi/Me/Lo)		dB(A)	30/29/28/27	31/29/28/27	37/34/31/30	39/36/33/30	42/39/36/33	45/42/38/33	43/40/37/34	47/44/41/35	48/45/42/38
Drain pump included											
Drain-up height		mm	850 mm	851 mm	852 mm	853 mm	854 mm	855 mm	856 mm	857 mm	858 mm
Sound power level		dB(A)	45/44/43/42	48/46/45/44	51/49/47/46	52/51/49/47	55/52/51/49	58/55/52/49	57/55/52/50	60/55/52/50	61/59/56/53
Outer dimensions	Height	mm	345	345	345	345	345	345	345	345	345
	Width	mm	860	860	860	860	860	860	1420	1420	1420
	Depth	mm	630	630	630	630	630	630	630	630	630
Net weight		kg	23	23	25	25	25	25	39	39	39
Refrigerant			R32 / R410A								
Refrigerant pipe connection			Flare nuts								
Refrigerant pipe size	Liquid	mm	1/4"	1/4"	1/4"	1/4"	3/8"	3/8"	3/8"	3/8"	3/8"
	Gas	mm	1/2"	1/2"	1/2"	1/2"	5/8"	5/8"	5/8"	5/8"	5/8"
Condensate drain connection		mm	32mm	32mm	32mm	32mm	32mm	32mm	32mm	32mm	32mm
Maximum electricity demand		A	5	5	5	5	5	5	5	5	5
Remote control (Sold separately as an option)			PC-ARFP1E / PC-ARH1E / PC-AWR								

Unrivaled comfort

The GENTLE COOL fan temperature setting, accessible on the wired remote control PC-ARF1E, adjusts the min. fan blower temperature. In summer, cooling air currents are avoided as you can set the fan blower temperature to the minimum setting.

Stand-out solution

Our choice of 2-way cassettes, ranging from 2.2 to 16 kW, is the perfect solution for larger rectangular spaces. You can also use the adjustable power settings to respond precisely to each project.

Installation time

This unit is easy to install thanks to its light weight (23 kg) and the lift pump (850 mm) built-in as standard.

Energy-saving

The motion sensor (optional) automatically optimizes the level of comfort while limiting the energy consumption in rooms only occupied occasionally. It continuously analyzes thermal disparities as well as the presence of people in the room, adjusting its setting temperature (down to 2°C), fan speed, and airflow direction to suit.



Potential for discomfort



GentleCool: STOP

GentleCool → No cold drafts



GentleCool: WEAK



GentleCool: AVERAGE



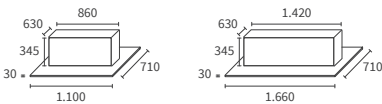
GentleCool: STRONG

Ultimate comfort



Min. Temp° control on the fan blower with the remote control PC-ARF1E or the CSNET monitoring system

Indoor units



RCD-0.8FSR
RCD-1.0FSR
RCD-1.5FSR
RCD-2.0FSR
RCD-2.5FSR
RCD-3.0FSR

RCD-4.0FSR
RCD-5.0FSR
RCD-6.0FSR

Controls and compatible accessories



Simple wired controller
PC-ARH1E



Remote sensor
THM-R2AE



Motion sensor
SOR-NED



Infrared controller
PC-AWR



Infrared receiver
PC-ALHD1 (integrated) / PC-ALHZ1 (external)



Input / output connector
PCC-1A



Intuitive multifunction cable control
PC-ARFP1E
(PC-ARFG-E available second half of 2021)



Fresh air kit
PD-150D

All H-link controls at your ease. Individual, group, central controller, integration with BMS... you choose.



Controls



Controls

All VRF control solutions at your ease.

INDIVIDUAL CONTROLS

Wired remote PC-ARFP1E



- Intuitive interface available in several languages.
- Control of 1 to 16 indoor units as master and / or slave.
- Integrated room sensor.
- Configuration of optional settings.

New features

- To optimize energy consumption: ECO button, display of energy consumption.
- For more comfort: adjustable set point at +/- 0.5 ° C, “GENTLE COOL” function, frost protection function, sound setting for the external unit.
- For more flexibility: change the operating mode and setpoint for multiple indoor units from a single remote control.

Simplified remote PC-ARH1E



- Control of 1 to 16 indoor units as master and / or slave.
- Simplified access limited to basic functions.
- Configuration of optional settings.

New features

- For more comfort: set point adjustable to +/- 0.5 ° C, frost protection function.

Wireless remote PC-AWR



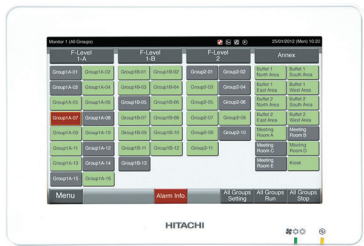
- Control of 1 to 16 indoor units as master and / or slave.
- Simplified access to functions essential.
- Works with an infrared receiver.

IR receiver	Compatible with:	
PC-ALHC1 PC-ALH3 PC-ALHD1	4 way cassette 600x600 4 way cassette 800x800 2 way cassette	RCIM-FSN4E RCI-FSN4E RCD-FSN3
PC-ALHZF1 (external)	Ducted Floor Cassettes (4 way, 2 way) Wall mounted Ceiling	RPI / RPIM / PPF / RPF / RCI RCIM / RCD / RPK / RPC
PC-ALHP1	Ceiling	RPC

CENTRALIZED CONTROLS

Touch screen

PSC-A32MN /PSC-A64GT



- **PSC-A32MN**: up to 32 groups of 16 indoor units up to a limit of 160.
- **PSC-A64GT**: up to 64 groups of 16 indoor units within the limit of 160.
- Up to 8 touch controls per H-Link bus.
- 5 “(PSC-A32MN) and 8.5” (PSC-A64GT) color touchscreen.
- Up to 100 memorizable alarms.
- Contacts available: on / off, fault report, on report.
- In the case of PSC-6RAD, 16 groups maximum allowed.

Individual controls



PC-ARFP1E
(wired remote)



PC-ARH1E
(simplified remote)



PC-AWR
(wireless remote)

Remote access centralized controls



PSC-A32MN
(touch screen)



PSC-A64GT
(touch screen)



Aircloud
Pro



CSNET Lite
(web)

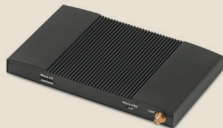


CSNET Screenless
(web)



CSNET Manager 2T10 (web & touch screen)
CSNET Manager 2T15 (web & touch screen)

REMOTE ACCESS CEENTRALIZED CONTROLS

	CSNET Manager 2		CSNET Lite	airCloud PRO
				
Range	With screen		Web	Web
User interface	High resolution touch screen 10 "or 15" CSNET Manager 2T10 or CSNET Manager 2T15 Access also available via PC, Tablet & Smartphone		2SL: Interface without screen, data access via PC, tablet smartphone	PC, tablet, Smartphone + App mobile / App web
H-Link gateway	HC-A64NET		CSNET Lite	HC-IOTGW
Functions	- Control of VRF and PAC units (H-Link systems) - Multi-tenant access with specific rights / privileges for different functions or IU control - Advanced control functions (Comfort, Interlock...) - Multi-tenant installations, flexibility for office applications. - Energy metering of VRF units + third party systems - Use of input / output dry contacts on IU or CSNET Lite - Connection to the BMS system (Modbus, BACnet or KNX)		- Same features as CSNET Manager, applied to systems small or medium sizes - Management of 64 indoor units maximum	- Control of VRF and PAC units (HLINK unit) - Simple unit control with web or mobile applications - Alarm notification and history alarms available for remote maintenance - Perfect solution for small tertiary applications and shops, requiring basic control functions
Applications	Medium to large facilities		Small to medium facilities	Small to large facilities

BMS GATEWAYS

Interface MODBUS

HC-A16MB
HC-A64MB



- Up to 16/64 indoor units by gateway
- Optional function management, reading of outdoor unit settings

Interface KNX

HI-AC-KNX-16
HI-AC-KNX-64



- Up to 16/64 indoor units by gateway
- Quick integration: KNX certified
- Easy maintenance: USB port available, operation and communication leds
- KNX gateways compatible with CSNET Manager

Interface BACNET

HI-AC-BAC-16
HI-AC-BAC-64



- Up to 16/64 indoor units by gateway
- Quick integration: certified BACnet, direct communication H-Link - BACnet
- Easy maintenance: available USB port, operation and communication leds. BACNET gateway compatible with CSNET Manager

Interface LON

HARC-BX E(A)
HARC-BX-E(B)



- Up to 32 (version E (B)) / 64 (version E (A)) indoor units by gateway



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