

Duct unit Mono-split



Selection guide

R32 duct



Primary R32




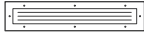

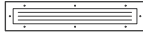
Primary R410A



Utopia Prime duct unit



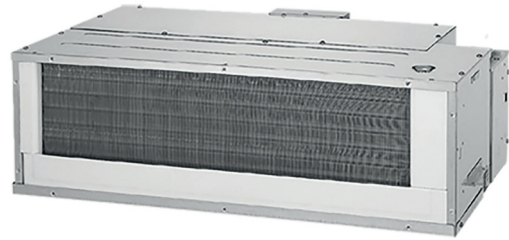
NEW

	R32 duct	Primary R32	Primary R410A	Utopia Prime duct unit NEW
				
Coolant	R32	R32	R410A	R410A and R32
Type of heat pump	Mono-split	Mono-split	Mono-split	Mono-split
Applications	Residential Small public buildings	Business Public	Business Public	Residential Shared residential Business Public
Rated power, cooling (kW)	2.5 3.5 5.0 6.0 7.0	7.1 8.8 10.5 12.5 14.0 17.0	6.8 10.1 12.0 13.4 15.7	7.1 10.0 12.5 14.0
Supply voltage	Single-phase	Single-phase (3/3.5/4/5/6Cp) Three-phase (5/6/6.5 Cp)	Single-phase (3/4 Cp) Three-phase (5/6/6.5 Cp)	Single-phase (up to 6 Cp) Three-phase (4 to 6 Cp)
COP up to	4.00	3.75	3.46	4.03
Heating / Cooling	A+ / A++	A / A++	A / A++	A+ / A++
Heating up to	-15°C	-15°C	-15°C	-20°C
Cooling up to	+46°C	+48°C	+48°C	+46°C
Max. static pressure up to	150 Pa	120 Pa	120 Pa	150 Pa
Max. length/level difference (m) outdoor unit indoor unit up to	30 / 20	50 / 30	50 / 30	75 / 30



R32 duct unit

The discrete and high-performance high-end solution



New installations with VMC HYGRO B

With the CSTB (French Scientific and Technical Center for Building), Hitachi has had its duct unit ATEC-verified, which now allows this solution to be installed in new builds with a VMC HYGRO B.

Condensate pump included

So you don't have to worry about adding more on to the installation, the duct incorporates its own pumps to automatically remove condensation. (Fig. 1)

Static high pressure

The duct has a pressure of 150 Pa so you can install it just where you want it and the user does not have to worry about enough air getting to the furthest room.

Flexible installation

With a 30-m long cooling pipe between the indoor unit and the outdoor unit, this indoor unit can be installed in any part of the building. What's more, the level difference between the two can be up to 20 m.

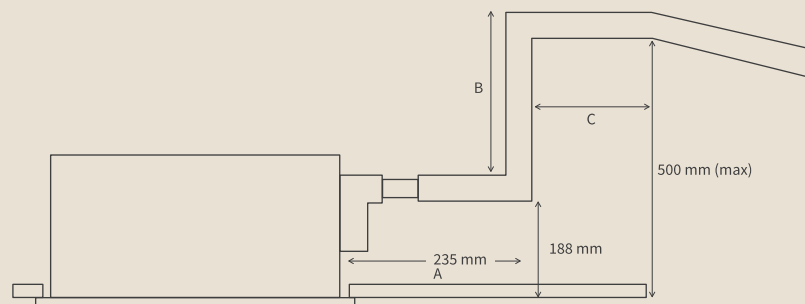
Compatible with the airCloud Pro remote controller

In the app, you can turn the system on and off, turn the temperature up or down and program the system from anywhere in the world. All you need is a mobile phone, an Internet connection and Wi-Fi equipment (optional) to connect to the equipment.

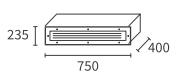
Compatible with Airzone

With a single duct unit, the user can control up to 6 rooms separately thanks to Airzone motorized plenums that fit directly onto the Hitachi units. This level of compatibility means you are free to use the full range of Airzone air regulation products.

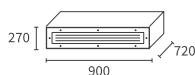
Fig. 1



Indoor units



RAD-25RPE
RAD-35RPE

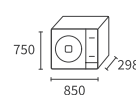
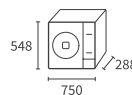


RAD-50RPE
RAD-60RPE
RAD-70PPD

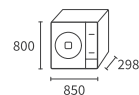
Outdoor units



RAD-25NPE
RAC-35NPE



RAC-50NPE
RAC-60NPE



RAC-70NPD

R32 duct unit

Performance, cooling	Unit	2.5 kW	3.5 kW	5.0 kW	6.0 kW	7.0 kW
Rated power, cooling (min-max)	kW	2.50 (0.90 - 3.00)	3.50 (0.90 - 4.00)	5.00 (1.20 - 5.80)	6.00 (1.20 - 6.50)	7.00 (1.50 - 8.00)
Rated power input Cooling (min-max)	kW	0.595 (0.25 - 1.29)	0.945 (0.25 - 1.46)	1.42 (0.30 - 2.50)	1.71 (0.30 - 2.60)	2.11 (0.50 - 2.70)
EER	-	4.20	3.70	3.52	3.51	3.32
Energy class Cooling	-	A++				
SEER (average climate)	-	6.20	6.50	6.20		6.10
Guaranteed performance in Cooling mode for outside Temp ²	°C	-10°C / +46°C			-15°C / +46°C	
Performance, heating	Unit	2.5 kW	3.5 kW	5.0 kW	6.0 kW	7.0 kW
Rated power, heating (min-max)	kW	3.50 (0.90 - 5.50)	4.80 (0.90 - 6.60)	6.00 (1.20 - 6.80)	7.00 (1.20 - 8.00)	8.00 (1.50 - 8.50)
Power at full charge at -7°C ⁽¹⁾	kW	2.50	3.20	4.20	5.00	5.50
Rated power input Heating (min-max)	kW	0.875 (0.25 - 1.50)	1.260 (0.25 - 1.92)	1.57 (0.30 - 2.65)	1.84 (0.30 - 2.65)	2.20 (0.50 - 2.80)
COP	-	4.00	3.81	3.82	3.80	3.64
Energy class Heating	-	A+				
SCOP (average climate)	-	4.30			4.00	
Guaranteed performance in Heating mode for outside Temp ²	°C	-15°C / +24°C				
Indoor units	Unit	RAD-25RPE	RAD-35RPE	RAD-50RPE	RAD-60RPE	RAD-70PPD
Sound pressure in Cooling mode (spv / pv / mv / gv) ⁽²⁾	dB(A)	30 / 33 / 37 / 41			29 / 32 / 35 / 39	
Sound pressure in Heating mode (spv / pv / mv / gv) ⁽²⁾	dB(A)	30 / 34 / 38 / 42			29 / 32 / 35 / 40	
Sound pressure in Cooling mode	dB(A)	57			53	
Static pressure (pv / mv / gv)	Pa	- / - / 70			50 / 100 / 150	
Airflow in Cooling mode (spv / pv / mv / gv)	m ³ /h	330 / 390 / 450 / 510			350 / 540 / 800 / 1140	
Dehumidification	l/h	1.4	1.6	2.8		4.8
Dimensions (H x L x D)	mm	235 x 750 x 400			270 x 900 x 720	
Net weight	kg	16			35	
Condensing pump	-	Included				
Remote control	-	Not included (SPX-RCKA1 / SPX-RCDA1 / SPX-WKT4)				
Outdoor units	Unit	RAC-25NPE	RAC-35NPE	RAC-50NPE	RAC-60NPE	RAC-70NPD
Sound pressure in Cooling mode ⁽²⁾	dB(A)	48			50	
Sound pressure in Cooling mode	dB(A)	61			65	
Airflow (Cooling / Heating)	m ³ /h	1920 / 1620			2160 / 2160	
Dimensions (H x L x D)	mm	548 x 750 x 288			750 x 850 x 298	
Net weight	kg	32.5			50	
Compressor	-	Rotary				
Cooling properties	Unit	RAD-25RPE	RAD-35RPE	RAD-50RPE	RAD-60RPE	RAD-70PPD
Diameter of pipes (Liq / Gas)	inches	1/4" / 3/8"			1/4" / 1/2"	
Initial coolant fill	kg	0.86			1.50	
Prefilled for	m	20			30	
Min. length	m				3	
Max. length / Coolant refill	m/g/m	20 / -			30 / -	
Max. level difference (outdoor unit above / outdoor unit below)	m	10 / 10			20 / 20	
Coolant	-	R32				
Electrical features	Unit	RAD-25RPE	RAD-35RPE	RAD-50RPE	RAD-60RPE	RAD-70PPD
Power supply	V/Ph/Hz	230V / 1Ph / 50Hz				
Max. current	A	15			20	
Cable width (EN 60 335-1)	mm ²	2 x 1.50 + T			2 x 2.50 + T	
Indoor/outdoor connection (protected)	mm ²	3 x 1.50 + T				
Retail price per unit excluding taxes	(+eco part)	RAD-25RPE	RAD-35RPE	RAD-50RPE	RAD-60RPE	RAD-70PPD
Indoor unit (Remote control not included)	€+1.67	€931	€1,122	€1,350	€1,400	-
	€+1.67					€1,458
External unit	€+6.67	€1,381	€1,545	€1,700	€1,970	€2,440
Wired remote control SPX-WKT4	€+0.12	€195				
Price for whole set Indoor unit + outdoor unit + wired remote control SPX-WKT4	€+8.46	€2,507	€2,862	€3,245	€3,565	-
	€+8.46					€4,093

Eco-participation is a net unit amount excluding taxes and is not discountable. It is added to the net price.

⁽¹⁾ Data includes defrosting. To find out the data for your project, refer to our technical catalogs.

⁽²⁾ Sound pressure measurements were made 1 meter from the unit without obstructions (see the technical catalog).

Part number	Description	Length	Height	Depth	Compatibility	Number of ductwork connections	Price excluding taxes
PIM1SOURADNH	STANDALONE FAN BLOWER PLENUM M1 2XD200	720	200	300 + 50	RAD-18QPE* / RAD 25-35RPE	2 x 200	€200
PIM1REPRADNH	STANDALONE INTAKE PLENUM M1 2XD200	655	205	200 + 50	RAD-18QPE / RAD 25-35RPE	2 x 200	€139
PIM1REPRADNH	STANDALONE INTAKE PLENUM M1 filter door 2XD200	655	205	200 + 50	RAD-18QPE / RAD 25-35RPE	2 x 200	€164
PIM1SOURADDH	STANDALONE FAN BLOWER PLENUM M1 3XD200	810	225	250 + 50	RAD-50-60RPE / RAD-70PPD	3 x 200	€200
PIM1REPRADDH	STANDALONE INTAKE PLENUM M1 2XD200	820	225	200 + 50	RAD-50-60RPE / RAD-70PPD	2 x 200	€139

* Only available as a multi option

Controls and compatible accessories (see page 197)



Wired programmable remote control

SPX-WKT4

Price plus taxes: €195



Infrared remote control

SPX-RCKA1

Price plus taxes: €155



Wired standard remote control

SPX-RCDA1

Price plus taxes: €150

Other (price excluding taxes):

- H-Link box - PSC-6RAD: €199

- Control box

Multi-indoor units

SPX-DST1 (€63) + SPX-WDST8M (€70)

- Hi Kumo interface WIFI SPX-WFG01: €150

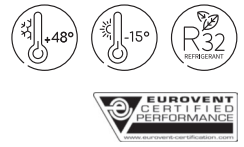
- Hi-Box AHP-SMB-01: €215

- Hi Kumo interface for Hi-Box

- SPX-TAG01: €150

- Single dry contact kit SPX-WDC2: €26

- SPX-RTH1 remote sensor: €77



Primary R32

Best value for money



Integrated condensate pump

With an elevation of 700 mm, these duct units fit easily into most projects.

Flexible air intake from below or from the back

This solution offers true installation flexibility depending on the type of configuration. You can change the intake – from below or from the rear. You do not need to change the equipment, just set the static pressure. (Fig. 1)

NEW Versatile

Up to 8 indoor units connected to a single remote control (with HDBA21NEWH + HCWA21NEHH). See diagrams on p. 204.

Large static pressure control range

Large static pressure control range (up to 120 Pa) for long ducts and multizone applications, allowing for a more practical and flexible installation.

Long cooler connections and large level differences

With up to 50 m of cooling piping for an installation up to 30 m tall, the Primary range offers great flexibility in configuring your systems. (Fig.2)

Guaranteed efficiency

The performance of our Primary duct unit range is guaranteed in Heating mode up to an outside temperature of -15°C. DC Inverter technology precisely adjusts the power needed to heat residential or public buildings, and ensures the comfort and durability of the system.

Auto-restart after a power outage

When power is restored after a power outage, all pre-settings are kept and the air-conditioning will run under the previous settings.

Fig. 1

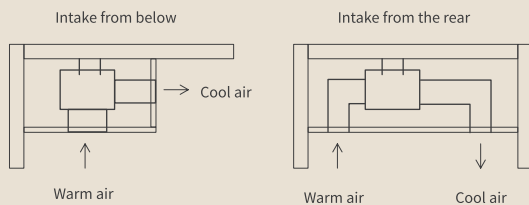
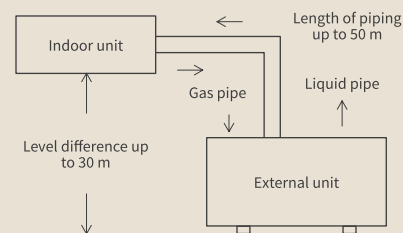
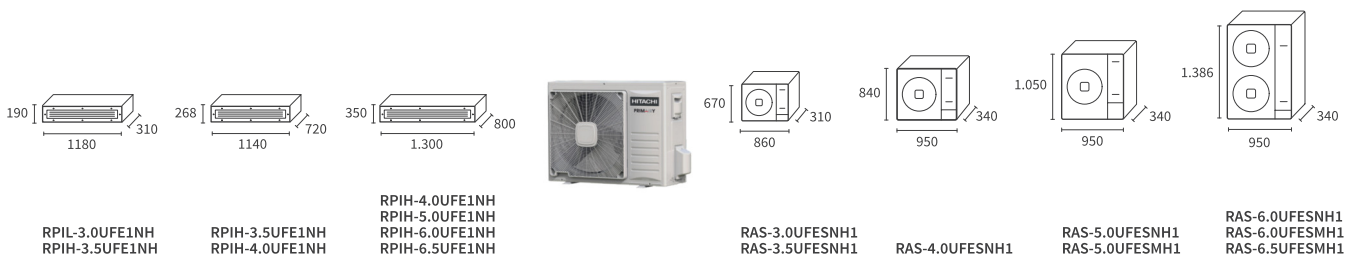


Fig. 2



Indoor units

Outdoor units



RPIH-3.0UFE1NH
RPIH-3.5UFE1NH

RPIH-3.5UFE1NH
RPIH-4.0UFE1NH

RPIH-4.0UFE1NH
RPIH-5.0UFE1NH
RPIH-6.0UFE1NH
RPIH-6.5UFE1NH

RAS-3.0UFESNH1
RAS-3.5UFESNH1

RAS-4.0UFESNH1

RAS-5.0UFESNH1
RAS-5.0UFESMH1

RAS-6.0UFESNH1
RAS-6.0UFESMH1
RAS-6.5UFESMH1

Primary R32

		6,90 kW	8.5 kW	10,10 kW	12.5kW	14.1 kW	12.10kW	14.19 kW	17.10 kW	
Performance, cooling	Unit	3 Hp	3.5 Hp	4 Hp	5 Hp	6 Hp	5 Hp	6 Hp	6.5 Hp	
Rated power, cooling (min-max)	kW	6.90 (2.45 - 7.85)	8.50 (4.00 - 9.50)	10.10 (3.50 - 11.00)	12.50 (3.30 - 13.20)	14.10 (3.20 - 16.00)	12.10 (3.30 - 13.20)	14.19 (3.20 - 16.00)	17.10 (3.30 - 18.50)	
Rated power input Cooling (min-max)	kW	2.16	2.67	3.80	4.22	4.78	4.22	4.78	6.60	
EER	-	3.19	3.18	2.66	2.85	2.95	2.87	2.97	2.59	
Energy class Cooling	-	A++								
SEER (average climate) / Etas	-	6.29	6.20	6.10	6.10 / 241%	5.94 / 235%	6.28 / 248%	5.94 / 234%	5.81 / 229%	
Annual power consumption	kWh/year	395	499	577	698	829	761	849	943	
Guaranteed performance Cooling for outdoor Temp°	°C	-15°C / +48°C								
Performance, heating										
Rated power, heating (min-max)	kW	8.3 (2.20 - 8.70)	9.00 (3.50 - 9.40)	10.50 (3.50 - 11.00)	12.80 (3.00 - 14.60)	16.50 (3.40 - 18.50)	13.4 (3.00 - 14.60)	13.4 (3.00 - 14.60)	18 (3.00 - 19.50)	
Power at full charge at -7°C ⁽¹⁾	kW	4	5.6	6.5	8.4	9.9	8.4	9.9	11.1	
Rated power input Heating (min-max)	kW	2.22	2.40	3.50	3.82	4.65	4.07	4.65	6.10	
COP	-	3.74	3.75	3	3.35	3.40	3.29	3.47	2.95	
Energy class Heating	-	A								
SCOP (average climate) / Etas	-	4.05	4.00	3.92	3.70 / 145%			3.72 / 145%		
Annual power consumption	kWh/year	2007	2313	2926	3392	4503	3674	4694	4205	
Guaranteed performance in Heating mode for outside Temp°	°C	-15°C / +24°C								
Indoor units		RPII-3.0UFE1NH	RPII-3.5UFE1NH	RPII-4.0UFE1NH	RPII-5.0UFE1NH	RPII-6.0UFE1NH	RPII-5.0UFE1NH	RPII-6.0UFE1NH	RPII-6.5UFE1NH	
Sound pressure in Cooling mode (pv / mv / gv)	dB(A)	31 / 34 / 38	33 / 38 / 41	38 / 40 / 42	37 / 40 / 43	42 / 45 / 47	37 / 40 / 43	42 / 45 / 47	43 / 45 / 48	
Sound pressure in Cooling mode	dB(A)	61	63	65	69	77	69	77		
Airflow in Cooling mode (pv / mv / gv)	m³/h	490 / 700 / 1000	900 / 1120 / 1450	1400 / 1600 / 1800	1300 / 1500 / 1750	1900 / 2200 / 2400	1300 / 1500 / 1750	1900 / 2200 / 2400		
Rated available pressure (min-max)	Pa	25.0 (0 - 40)	37.0 (0 - 120)			50.0 (0 - 120)				
Dimensions (H x L x D)	mm	190 x 1180 x 445	268 x 1140 x 720			350 x 1300 x 800				
Net weight of box	kg	24.0	37.5			51				
Condensing pump	-	Included								
Condensate outlet diameter (ext.)	mm	32								
Air filter	-	Included								
Power supply	V/Ph/Hz	230V / 1Ph / 50Hz								
Remote control	-	Wired programmable unit included (HCWA21NEHH)								
Outdoor units	Unit	RAS-3.0UFESNH1	RAS-3.5UFESNH1	RAS-4.0UFESNH1	RAS-5.0UFESNH1	RAS-6.0UFESNH1	RAS-5.0UFESMH1	RAS-6.0UFESMH1	RAS-6.5UFESMH1	
Sound pressure in Cooling mode	dB(A)	54	54	58	62			67		
Sound pressure in Cooling mode	dB(A)	69	70		76			80		
Airflow (cooling)	m³/h	3150		3800	5800	6300	5800	6300		
Dimensions (H x L x D)	mm	670 x 860 x 310		840 x 950 x 340	1050 x 950 x 340	1386 x 950 x 340	1050 x 950 x 340	1386 x 950 x 340		
Net weight	kg	49.0		70.0	85.0	101.5	85.0	101.5	109.0	
Compressor	-	Inverter rotary unit								
Cooling properties										
Diameter of pipes (Liq / Gas)	inches	3/8" / 5/8"			3/8" / 3/4"					
Initial coolant fill	kg/TeqCO ₂	1.40 / 0.95	1.45 / 0.98	2.00 / 1.35	2.50 / 1.69	3.00 / 2.03	2.50 / 1.69	3.00 / 2.03	3.40 / 2.30	
Prefilled for	m	5								
Max. pipe length	m	30	50							
Added coolant	g/m	28								
Max. level difference (outdoor unit above / outdoor unit below)	m	15 / 15		30 / 30						
Coolant	-	R32								
Electrical features, outdoor unit										
Power supply	V/Ph/Hz	230V / 1Ph / 50Hz					400V / 3Ph / 50Hz			
Max. current	A	18.1	18.0	22.5	28.2	30.0	11.6			
Cable width (EN 60 335-1)	mm²	3 x 2.5		3 x 4	3 x 6		5 x 2.5			
Indoor/outdoor connection (protected)	mm²	4 x 1.5								

⁽¹⁾ Data includes defrosting.**Retail price per unit excluding taxes (+eco part)**

		RPII-3.0UFE1NH	RPII-3.5UFE1NH	RPII-4.0UFE1NH	RPII-5.0UFE1NH	RPII-6.0UFE1NH	RPII-5.0UFE1NH	RPII-6.0UFE1NH	RPII-6.5UFE1NH
Indoor unit (Wired remote control included HCWA21NEHH)	-	€828	€1016	€1,205	€1,592	€1,916	€1,592	€1,916	€2,378
External unit	€+6.67	€2,569	€2,995	€3,297	€3,914	€4,455	€3,960	€4,507	€4,815
Price for whole set Indoor unit + outdoor unit	€+6.67	€3,397	€4011	€4,502	€5,506	€6,371	€5,552	€6,423	€7,193

Eco-participation is a net unit amount excluding taxes and is not discountable. It is added to the net price.

Compatible controls and accessories



Wired programmable remote control

HCWA21NEHH

Included



Infrared remote control

HRBA31NEGH

Price plus taxes: €30



H-Link interface

HCAA01NEWI

Price plus taxes: €260



Adapter

HDBA21NEWH

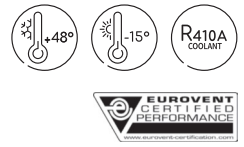
Price plus taxes: €60

Discover Primary



Primary R410A

Best value for money



Integrated condensate pump

With an elevation of 700 mm, these duct units fit easily into most projects.

Flexible air intake from below or from the back

This solution offers true installation flexibility depending on the type of configuration. You can change the intake – from below or from the rear. You do not need to change the equipment, just set the static pressure. (Fig. 1)

NEW Versatile

Up to 8 indoor units connected to a single remote control (with HDBA21NEWH + HCWA21NEHH). See diagrams on p. 204.

Large static pressure control range

Large static pressure control range (up to 120 Pa) for long ducts and multizone applications, allowing for a more practical and flexible installation.

Long cooler connections and large level differences

With up to 50 m of cooling piping for an installation up to 30 m tall, the Primary range offers great flexibility in configuring your systems. (Fig.2)

Guaranteed efficiency

The performance of our Primary duct unit range is guaranteed in Heating mode up to an outside temperature of -15°C. DC Inverter technology precisely adjusts the power needed to heat residential or public buildings, and ensures the comfort and durability of the system.

Auto-restart after a power outage

When power is restored after a power outage, all pre-settings are kept and the air-conditioning will run under the previous settings.

Fig. 1

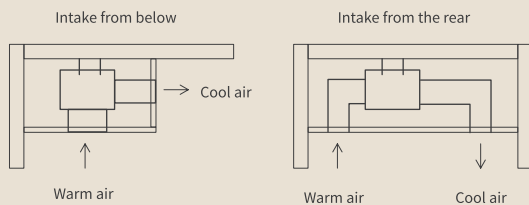
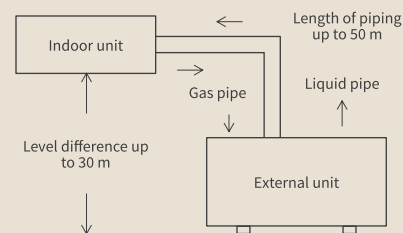


Fig. 2



Indoor units

Outdoor units



Primary R410A

		6.80 kW	10,10 kW	12.10kW	14.19 kW	17.10 kW
Performance in cooling mode						
Rated power, cooling (min-max)	kW	6.80 (2.70 - 7.85)	10.10 (2.93 - 12.0)	12.10 (3.30 - 13.20)	14.19 (3.20 - 16.00)	17.10 (3.30 - 18.50)
Rated power input cooling	kW	2.23	3.31	4.29	4.46	6.02
EER	-	3.05	3.05	2.80	3.02	2.60
Energy class Cooling	-	A++			-	
SEER (average climate) / Etas	-	6.17	6.23	5.71	6.08	5.99
Annual power consumption	kWh/year	386	567	761 / 225%	800 / 240%	943 / 236%
Guaranteed performance Cooling for outside Temp°	°C	-15°C / +48°C				
Performance in heating mode						
Rated power, heating (min-max)	kW	7.9 (2.70 - 8.70)	11.45 (3.32-13.0)	13.4 (3.00 - 14.60)	13.4 (3.00 - 14.60)	18 (3.00 - 19.50)
Power at full charge at -7°C ⁽¹⁾	kW	5.45	7.85	9.60	11.65	14.35
Rated power input heating	kW	2.29	3.40	4.10	4.97	5.71
COP	-	3.46	3.38	3.41	3.42	3.23
Energy class Heating	-	A			-	
SCOP (average climate) / Etas	-	3.85	3.80	3.77 / 147%	3.78 / 148%	3.68 / 144%
Annual power consumption	kWh/year	2065	3174	3674	4694	4205
Guaranteed performance in Heating mode for outside Temp°	°C	-15°C / +24°C				
Indoor units						
		RPIM-3.0UNE1NH	RPIH-4.0UNE1NH	RPIH-5.0UNE1NH	RPIH-6.0UNE1NH	RPIH-6.5UNE1NH
Sound pressure in Cooling mode (pv / mv / gv)	dB(A)	34 / 36 / 38	35 / 36 / 39	35 / 39 / 41	40 / 43 / 46	
Sound pressure in Cooling mode	dB(A)	60	62	68	72	73
Airflow in Cooling mode (pv / mv / gv)	m ³ /h	852 / 976 / 1100	1050 / 1250 / 1450	1300 / 1500 / 1750	1900 / 2200 / 2400	
Rated available pressure (min-max)	Pa	25.0 (0 - 80)	37.0 (0 - 120)	50.0 (0 - 120)		
Dehumidification	l/h	1.8	2.5	3.2	4	4.5
Dimensions (H x L x D)	mm	270 x 900 x 720	350 x 1300 x 800			
Net weight of box	kg	32.0	51			
Condensing pump	-	included				
Condensate outlet diameter (ext.)	mm	32				
Air filter	-	included				
Power supply	V/Ph/Hz	230V / 1Ph / 50Hz				
Remote control	-	Wired programmable unit included (HCWA21NEHH)				
Outdoor units						
		RAS-3.0UNESNH1	RAS-4.0UNESNH1	RAS-5.0UNESMH1	RAS-6.0UNESMH1	RAS-6.5UNESMH1
Sound pressure in Cooling mode	dB(A)	53	56	62		67
Sound pressure in Cooling mode	dB(A)	69	70	76		80
Airflow (cooling)	m ³ /h	3000	3500	5800	6300	
Dimensions (H x L x D)	mm	670 x 860 x 310	840 x 950 x 340	1050 x 950 x 340	1386 x 950 x 340	
Net weight	kg	51.0	70.0	85.0	101.5	109.0
Compressor	-	Inverter rotary unit				
Cooling properties						
Diameter of pipes (Liq / Gas)	inches	3/8" / 5/8"		3/8" / 3/4"		
Initial coolant fill	kg	1.70	2.80	2.50 / 1.69		
Prefilled for	m	5				
Max. pipe length	m	50				
Added coolant	g/m	35				
Max. level difference (outdoor unit above / outdoor unit below)	m	30 / 30				
Coolant	-	R410A				
Electrical features, outdoor unit						
Power supply	V/Ph/Hz	230V / 1Ph / 50Hz			400V / 3Ph / 50Hz	
Max. current	A	18.1	22.5	11.6		
Cable width (EN 60 335-1)	mm ²	3 x 2.5	3 x 4	5 x 2.5		
Indoor/outdoor connection (protected)	mm ²	4 x 1.5				
Retail price per unit excluding taxes (+eco part)						
Indoor unit (Wired remote control included HCWA21NEHH)	-	RPIM-3.0UNE1NH	RPIH-4.0UNE1NH	RPIH-5.0UNE1NH	RPIH-6.0UNE1NH	RPIH-6.5UNE1NH
		€846	€1,229	€1,625	€1,957	€2,428
External unit	€+6.67	RAS-3.0UNESNH1	RAS-4.0UNESNH1	RAS-5.0UNESMH1	RAS-6.0UNESMH1	RAS-6.5UNESMH1
		€2,624	€3,366	€4,043	€4,602	€4,917
Price for whole set Indoor unit + outdoor unit	€+6.67	€3,470	€4,595	€5,668	€6,559	€7,345

Eco-participation is a net unit amount excluding taxes and is not discountable. It is added to the net price.

Compatible controls and accessories



Wired programmable remote control

HCWA21NEHH

Included



Infrared remote control

HRBA31NEGH

Price plus taxes: €30



H-Link interface

HCAA01NEWI

Price plus taxes: €260



Adapter

HDBA21NEWH

Price plus taxes: €60

Discover Primary



Utopia Prime duct unit

A solution with R410A or R32 for projects subject to the toughest technical restrictions



Compactness

Our indoor duct 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 of up to 850 mm, providing more flexibility when installing.

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)

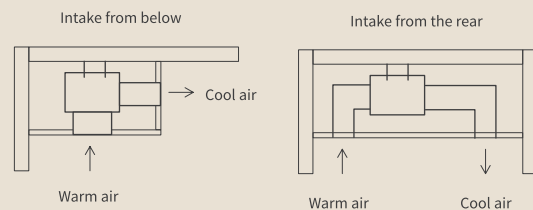
Large static pressure control range

Static pressure available up to 150 Pa, with 3 possible levels, including zero pressure to blow on the vent.

Compatible with Airzone

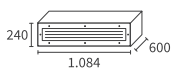
A single indoor duct unit serves up to 6 zones separately thanks to Airzone's motorized plenums and management solutions (see p130).

Fig. 1

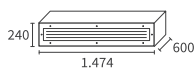


Indoor units

Outdoor units



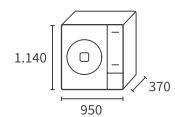
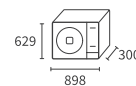
RPI-3.0FSRE



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

Utopia Prime duct unit

Provisional data

		Coolant R32				Coolant R410A					
		7.1kW	10KW	12.5KW	14KW	10KW	12.5KW	14KW			
Performance, cooling	Unit	3 Hp	4 Hp	5 Hp	6 Hp	4 Hp	5 Hp	6 Hp			
Rated power, cooling (min-max)	kW	7.10	10.00	12.50	14.00	10.00	12.50	14.00			
Rated power input cooling	kW	2.53	3.10	3.93	4.55	3.10	3.93	4.55			
EER	-	2.81	3.23	3.18	3.08	3.23	3.18	3.08			
Seasonal energy class Cooling	-	A			-	A					
SEER (average climate)	-	4.97	5.38(V) - 5.27	5.88(V) - 5.84	5.67(V) - 5.64	5.38(V) - 5.27	5.88(V) - 5.84	5.67(V) - 5.64			
Guaranteed performance Cooling for outdoor Temp ⁽¹⁾	°C	-15°C / +46°C (DB)									
Performance, heating											
Rated power, heating (min-max)	kW	8.00	11.20	14.00	16.00	11.20	14.00	16.00			
Power at -7°C*	kW	6.40	10.20	11.90	13.30	10.20	11.90	13.30			
Rated power input heating	kW	2.26	2.78	3.95	4.40	2.78	3.95	4.40			
COP	-	3.54	4.03	3.54	3.64	4.03	3.54	3.64			
Seasonal energy class Heating	-	A		A+		-		-			
SCOP (average climate)	-	3.80	4.01	3.91	3.96	4.01	3.91	3.96			
Guaranteed performance in Heating mode for outside Temp ⁽²⁾	°C	-20°C / +18°C (WB)									
150Pa indoor units, duct		RPI-3.0FSRE			RPI-4.0FSRE		RPI-6.0FSRE				
Power (adjustable)	Hp	3.00	4.00	5.00	6.00	4.00	5.00	6.00			
Rated power cooling	kW	7.10	10.00	12.50	14.00	10.00	12.50	14.00			
Rated power heating	kW	8.00	11.20	14.00	16.00	11.20	14.00	16.00			
Sound pressure in Cooling mode (pressure) (pv / mv / gv) ⁽²⁾	dB(A)	29 / 31 / 31	32 / 35 / 37	33 / 35 / 38	33 / 36 / 39	32 / 35 / 37	33 / 35 / 38	33 / 36 / 39			
Sound pressure	dB(A)	57	62	65	66	62	65	66			
Airflow in Cooling mode (pv / mv / gv)	m ³ /h	1080 / 1320 / 1560	1440 / 1740 / 2160	1860 / 2130 / 2400	1860 / 2220 / 2580	1440 / 1740 / 2160	1860 / 2130 / 2400	1860 / 2220 / 2580			
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						
Max. elevation	mm	-			850						
Dimensions (H x L x D)	mm	240 x 1084 x 600		240 x 1474 x 600		240 x 1474 x 600					
Weight	kg	30		36		36					
Cooling pipe diameter (Liq / Gas)	inches	-			3/8 - 5/8						
Condensate outlet diameter (ext)	mm	-			32						
Power supply	-	-			1~ 230V 50Hz						
Cable width (EN 60 335-1) ⁽¹⁾	mm ²	-			3 x 0.75						
Remote control	-	-			PC-ARFP1E						
Outdoor units		RAS-3HVRC2		RAS-4H(V)RC2E		RAS-5H(V)RC2E		RAS-6H(V)RC2E			
Sound pressure in Cooling mode (Night mode) ⁽²⁾	dB(A)	48 (46)		52 (50)		53 (50)		55 (53)			
Sound pressure	dB(A)	66		68		69		71			
Airflow (Cooling / Heating)	m ³ /h	2982		4800		4800		4800			
Dimensions (H x L x D)	mm	629 x 898 x 300		1140 x 950 x 370		1140 x 950 x 370		1140 x 950 x 370			
Net weight	kg	48		84		84		86 (84)			
Compressor	-	-			Inverter DC rotary unit			Inverter DC rotary unit			
Cooling properties											
Diameter of pipes (Liq / Gas)	mm (inches)	9.52 (3/8) - 15.88 (5/8)									
Initial coolant fill	kg	1.7		3.0		3.2					
Prefilled for	m	-		20		20					
Max. length	m	-		5		5					
Max. length / Coolant refill	m/g/m	50 / 45		75 / 45		75 / 60					
Max. level difference (outdoor unit above / outdoor unit below)	m	-		30 / 20		30 / 20					
Coolant	-	-			R32		R410A				
Electrical features, outdoor unit											
Power supply	-	1~ 230V 50Hz		1~ 230V 50Hz or 3N~ 400V 50Hz		2~ 230V 50Hz or 3N~ 400V 50Hz		3~ 230V 50Hz or 3N~ 400V 50Hz			
Max. current	A	15.8		22.5		22.5					
Cable width (EN 60 335-1) ⁽¹⁾	mm ²	2 x 0.75		3 x 6.00 or 5 x 4.00		3 x 6.00 or 5 x 4.00					
Indoor/outdoor connection (protected)	mm ²	-		2 x 0.75 (2)		2 x 0.75 (2)					
Retail price per unit excluding taxes											
		(+eco part)									
Indoor unit		-		RPI-3.0FSRE		RPI-4.0FSRE		RPI-5.0FSRE		RPI-6.0FSRE	
		-		€2,100		€2,300		€2,460		€2,610	
External unit		Single-phase		RAS-3HVRC2		RAS-4HVRC2E		RAS-5HVRC2E		RAS-6HVRC2E	
		-		€2,500		€3,750		€4,200		€4,555	
		Three-phase		-		RAS-4HRC2E		RAS-5HRC2E		RAS-6HRC2E	
		-		-		€3,880		€4,300		€4,875	
Wired remote control PC-ARFP1E		-		-		-		€230		-	
Price for whole set		Single-phase		€4,830		€6,280		€6,890		€7,395	
Indoor unit + remote control + outdoor unit		Three-phase		-		€6,410		€6,990		€7,715	
		-		-		-		-		€6,410	
		-		-		-		-		€6,990	
		-		-		-		-		€7,715	

Eco-participation is a net unit amount excluding taxes and is not discountable. It is added to the net price. The bundle includes: duct unit, wired remote control PC-ARFP1E, outdoor unit.

Controls and compatible accessories (see the tab VRF TWIN controls)



Simple wired controller
PC-ARH1E
Price plus taxes: €180



Infrared controller
PC-AWR
Price plus taxes: €210

Other (price excluding taxes):

- Remote sensor THM-R2AE: €60
- Adjustable input/output contact connections PCC-1A: €65
- Condensate drainage kit DDB-26 (4Cp models): €25
- DDB-12L (3Cp models): €25
- Motion sensor for low-height duct unit SOR-MSK



Intuitive multifunction cable control
PC-ARFP1E
Price plus taxes: €230