

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)

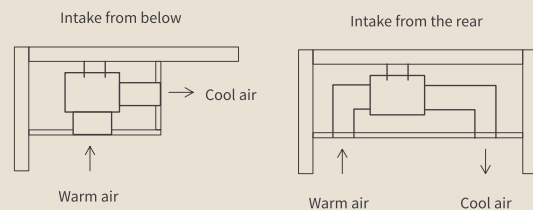
Large static pressure control range

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

Compatible with Airzone

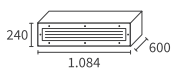
A single indoor duct unit serves up to 6 zones separately thanks to Airzone's motorized plenums and management solutions (see p130).

Fig. 1

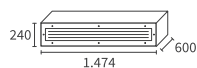


Indoor units

Outdoor units



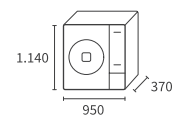
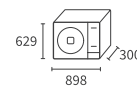
RPI-3.0FSRE



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	Unit	3 Hp	4 Hp	5 Hp	6 Hp	4 Hp	5 Hp	6 Hp
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+		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-5.0FSRE	RPI-6.0FSRE	RPI-4.0FSRE	RPI-5.0FSRE	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) ³⁾	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)	m³/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) ⁴⁾	mm²	3 x 0.75						
Remote control	-	PC-ARFP1E						
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
Sound pressure in Cooling mode (Night mode) ²⁾	dB(A)	48 (46)	52 (50)	53 (50)	55 (53)	52 (50)	54 (53)	55 (53)
Sound pressure	dB(A)	66	68	69	71	68	69	71
Airflow (Cooling / Heating)	m³/h	2982		4800		4800		
Dimensions (H x L x D)	mm	629 x 898 x 300		1140 x 950 x 370		1140 x 950 x 370		
Net weight	kg	48		84		86 (84)		
Compressor	-	Inverter DC rotary unit						
Cooling properties		9.52 (3/8) - 15.88 (5/8)						
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						
Max. length	m	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						
Coolant	-	R32						
		R410A						
Electrical features, outdoor unit		1 ~ 230V 50Hz or 3N~ 400V 50Hz						
Power supply	-	1 ~ 230V 50Hz						
Max. current	A	15.8		22.5		22.5		
Cable width (EN 60 335-1) ⁴⁾	mm²	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)	mm²	2 x 0.75 (2)						

¹⁾ Data shown is for indication purposes only. It is the installer's responsibility to ensure that these cable widths meet the needs of the facility and current standards.
²⁾ Sound levels (pressure) are measured in an anechoic chamber at 1.50 m below the unit (no ceiling under the unit), with an extraction duct at 1 m and a discharge duct at 2 m.
³⁾ To ensure a cooling mode at -15°C, this option must be activated.
 * Data includes defrosting. To find out the data for your project, refer to our technical catalogs.
 (V) Single-phase version.

Retail price per unit excluding taxes		(+eco part)	RPI-3.0FSRE	RPI-4.0FSRE	RPI-5.0FSRE	RPI-6.0FSRE	RPI-4.0FSRE	RPI-5.0FSRE	RPI-6.0FSRE
Indoor unit	-	-	€2,100	€2,300	€2,460	€2,610	€2,300	€2,460	€2,610
External unit	Single-phase	€+1.67	RAS-3HVRC2	RAS-4HVRC2E	RAS-5HVRC2E	RAS-6HVRC2E	RAS-4HVNC2E	RAS-5HVNC2E	RAS-6HVNC2E
	Three-phase		€2,500	€3,750	€4,200	€4,555	€3,750	€4,200	€4,555
			€3,880	€4,300	€4,875	€3,880	€4,300	€4,875	
Wired remote control PC-ARFP1E	-	-	€230				€230		
Price for whole set	Single-phase	-	€4,830	€6,280	€6,890	€7,395	€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