

Utopia Prime

A TWIN to QUAD solution with a choice of R410A or R32 to provide heating solutions and air-conditioning for large spaces.



EXCLUSIVITY
HITACHI

NEW

Twin and VRF shared indoor unit groups

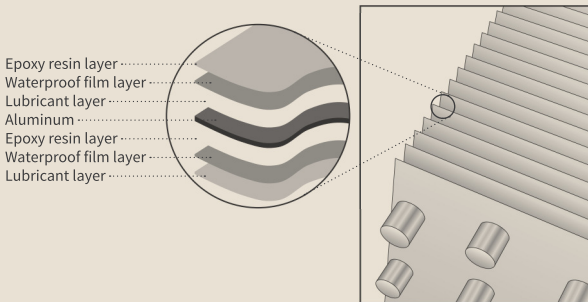
The UTOPIA PRIME range comes with all the advantages of VRF indoor units, so you can make use of a wide range of combinations. Different types of indoor units can be mixed on the same installation.

Flexible installation

UNIQUE! The new range of 4 to 6Hp can come in TWIN, TRIPLE, or QUAD configurations for R32 and R410A and has a static pressure of 30Pa. This allows the air to be recirculated. Connect up to 4 indoor units in the Set free range (size 0.8Hp Mini compatible; console units not compatible).

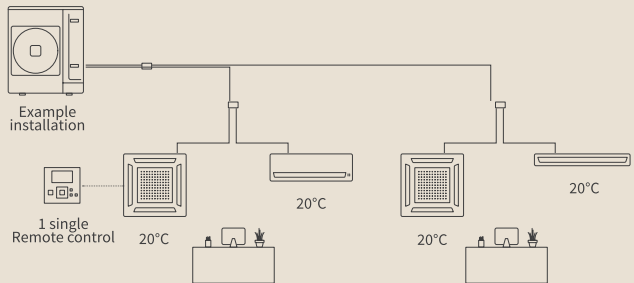
Advanced anti-corrosion treatment

With its triple handling, Utopia Prime offers the best protection on the market for use in tough environments.



Renewed master-slave control for more energy savings

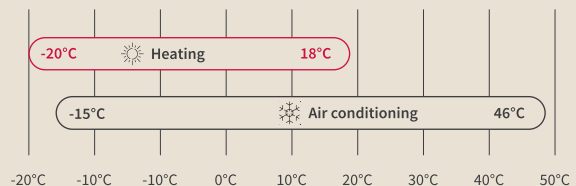
The outdoor unit will start up only if the 4 indoor units need cooling or heating. The shutdown of the group is triggered as soon as one of the indoor units is no longer requires heat/cooling, which promises real energy savings.



Large operating ranges

Utopia Prime will keep working in extreme temperatures: up to -20°C for heating and -15°C to 46°C for cooling (-5°C to 46°C at 4 to 6Hp). Features that make this a product for perfect year-round comfort.

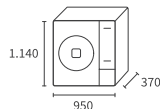
Outside temperature operating range



Outdoor units



629
898
300
RAS-3HVRC2



1.140
950
370
RAS-4H(V)RC2E
RAS-5H(V)RC2E
RAS-6H(V)RC2E
RAS-4H(V)NC2E
RAS-5H(V)NC2E
RAS-6H(V)NC2E

Preliminary data

	R32 FLUID					R410A FLUID			
		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	
Performance, cooling	Unit	3Hp	4Hp	5Hp	6Hp	4Hp	5Hp	6Hp	
Rated power cooling	kW	7.1	10.00	11.90	14.00	10.00	11.90	14.00	
Rated power input cooling	kW	2.26	2.70	3.71	4.29	2.70	3.71	4.29	
EER (1*)	-	3.14	3.70	3.37	3.26	3.70	3.37	3.26	
SEER (average climate)	-	6	6.57(V) - 6.41	6.1(V) - 6.06	5.88(V) - 5.85	6.57(V) - 6.41	6.1(V) - 6.06	5.88(V) - 5.85	
Seasonable energy rating (cooling)	-	A	A	-	-	A	-	-	
Operating ranges in cooling mode*	-	-15°C / +46°C (DB)					-15°C / +46°C (DB)		
Performance, heating									
Rated power heating	kW	8	11.20	14.00	16.00	11.20	14.00	16.00	
Rated power input heating	kW	2.00	2.45	3.60	3.78	2.45	3.60	3.78	
COP	-	4.00	4.57	3.89	4.23	4.57	3.89	4.23	
SCOP (average climate)	-	4.21	4.47	4	4.05	4.47	4	4.05	
Seasonal energy rating (heating)	-	A+		-	-	A+	-	-	
Operating ranges heating	-	-20°C / 18°C (WB)					-20°C / 18°C (WB)		
Technical features									
Airflow (cooling)	m³/h	2982	4800	4800	4800	4800	4800	4800	
Noise level in cooling mode (night-time pressure) ¹⁾	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	
Net weight	kg	48	84			84			
Dimensions (H x L x D)	mm	629 x 898 x 300		1140 x 950 x 370		1140 x 950 x 370			
Min. power of indoor unit	Hp	0.8	0.8			0.8			
Number of connectible units (min - max)	-	1 - 2		1 - 4		1 - 4			
Capacity ratio (min - max)	%	90% - 100%		90% - 115%		90% - 115%			
Compressor	-	Inverter DC rotary unit					Inverter DC rotary unit		
Cooling properties									
Max. length / Coolant refill	m/g/m	50 / 45		75 / 45		75 / 60			
Initial coolant fill	kg	1.7		3.0		3.2			
Prefilled for	m	20		30		30			
Min. length	m	5		5		5			
Max. level difference (outdoor unit above / below)	m	30 / 20		30 / 20		30 / 20			
Diameter of pipes (Liq / Gas)	mm inches	9.52 (3/8) - 15.88 (5/8)					9.52 (3/8) - 15.88 (5/8)		
Coolant	-	R32					R410A		
Electrical features, outdoor unit									
Power supply	-	1~ 230V 50Hz		1~ 230V 50Hz or 3N~ 400V 50Hz		1~ 230V 50Hz or 3N~ 400V 50Hz			
Max. current	A	15.8		22.5		22.5			
Cable width (EN 60 335-1)*	mm²	3 x 4.00		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 x 0.75		2 x 0.75			

(V) Single-phase version.

* 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.

¹⁾ 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.

Controls (see the tab VRF TWIN controls)

Individual controls



PC-ARFP1E (full wired)



PC-ARH1E (simple wired)



PC-AWR (Infrared)



PSC-A32MN (tactile)



PSC-A64GT (touch)



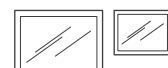
Aircloud Pro



CSNET Lite (web)



CSNET Screenless (web)



CSNET Manager 2T10 (web and touch)
CSNET Manager 2T15 (web and touch)

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



Cooling connections
MH-84AN1 accumulator



PCC-1A
connectors