



Helping you upgrade from R22 simply and cost effectively

Utopia IVX Premium and Comfort can be installed using existing R22 pipework for quicker & cheaper installations

UTOPIA

IVX COMFORT

COMMERCIAL PREMISES, OFFICES
AND SHOPS: UP TO 4 INDOOR UNITS

 Utopia Split Systems

Features

UP TO 4 INDOOR UNITS

INDEPENDENT CONTROL

Multi split applications possible (Master slave control)
Zone by zone individual control

COMPACT AND EASY INSTALLATION

0.35 m² for 44 kg to 171 kg and horizontal flow.

HEIGHT DIFFERENCE BETWEEN INDOOR UNITS OF 3 METRES

Possibility of use over 2 floors.

VRF OPERATION

Connection ratio of 90-115% with indoor units from
0.8 to 10HP.

OPTIONAL COOLING AS LOW AS -15°C

Design

SYSTEM FREE Compatible with all Hitachi indoor units.

Ecological

Low power.

Heating only lock.



UTOPIA IVX COMFORT

SYSTEM FREE INDOOR UNITS



CASSETTE



WALL-MOUNTED



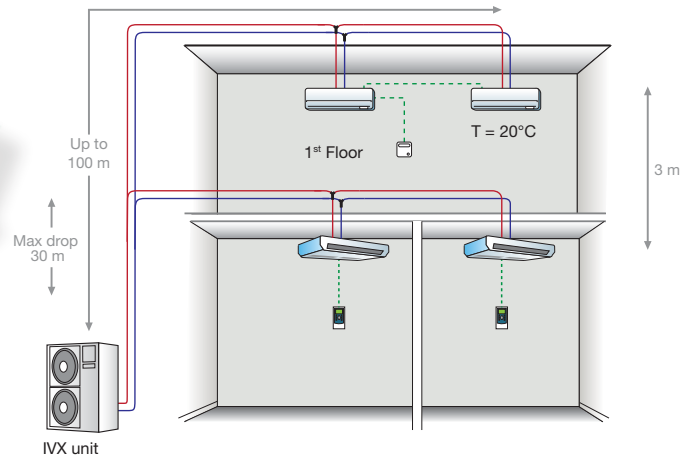
DUCTED



CEILING SUSPENDED



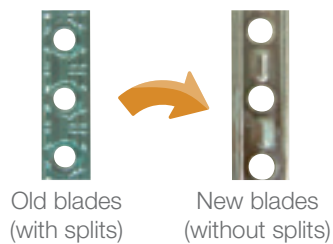
Utopia IVX Comfort




Ability to stop a single unit

Reduced Defrost

➤ New types of blades on the heat exchangers, in order to reduce the formation of ice, improve the flow of air and thereby increase the duration of heating.



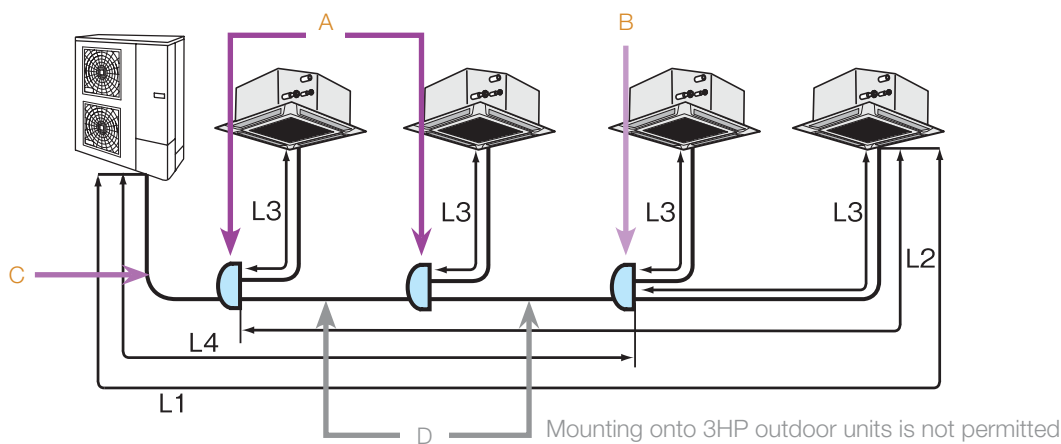
Range

	HP	3	4	5	6	8	10	12
 IVX COMFORT (pages 148 to 152)	1: 1 phase	1	1/3	1/3	1/3	3	3	3
	3: 3 phase							

Number of indoor units

Unit outputs	3HP	4HP	5HP	6HP	8HP	10HP	12HP
Maximum number of indoor units per group	2	4			4		
Minimum output from indoor units (in HP, according to the model)	0.80				1.80		
Allowed connection ratio	1 unit 90 - 110%	≤ 2 units 90 - 115%			90 - 115 %		
	must be from 2.7 to 3.3HP	must be from 3.6 to 4.6HP	must be from 4.5 to 5.75HP	must be from 5.4 to 6.9HP			
	2 units 90 - 100%	3 or 4 units 90 - 100%			must be from 7.2 to 9.2HP	must be from 9 to 11.5HP	must be from 10.8 to 13.8HP
	must be from 2.7 to 3HP	must be from 3.6 to 4HP	must be from 4.5 to 5HP	must be from 5.4 to 6HP			

Installation with multikits



Outdoor units	DIAMETER C + D		MULTIKIT A	MULTIKIT B
	GAS	LIQUID		
4HP	5/8 "	3/8 "	E102SN3	E102SN3
5HP				
6HP				
8HP	1 1/8"	3/8 "	E162SN3	E162SN3
10HP		1/2 "		
12HP				

Output of indoor unit	DIAMETER L3	
	GAS	LIQUID
≤ 1.5HP	1/2 "	1/4 "
≤ 1.8 / 2.0HP		
≥ 2.3HP	5/8 "	3/8 "

Piping lengths

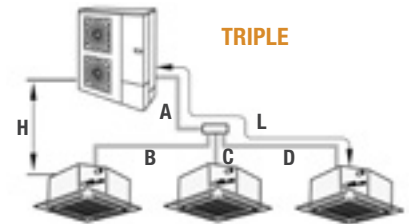
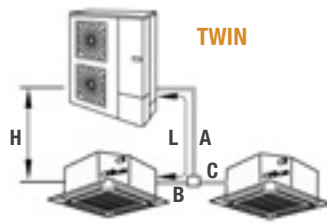
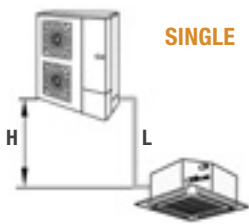
Multikit mounting / Outdoor units		4HP	5HP	6HP	8HP	10HP	12HP
Maximum length between outdoor unit and the farthest unit	Actual length (L1)	70 m	75 m		100 m		
	Equivalent length	90 m	95 m		125 m		
Maximum length of the first area to each indoor unit (L2)		20 m			25 m		
Maximum length of the by-pass to internal units (L3)		10 m			15 m		
Total length of piping L4 + (L3 ₁ +L3 ₂ +L3 ₃ ...)		70 m	75 m		100 m	145 m	
Maximum drop OU / IU (H) (above / below OU)		30 / 20 m					
Maximum drop in height IU / IU		3 m					
Maximum drop: By-pass / IU - By-pass/By-pass		3 m					

Installation limitations for high performance cassette RCx.xFSN3		2HP	2.5HP	3HP	4HP	5HP	6HP
Comfort: 100% connection ratio	Maximum number	-		1		2	

Please refer to pipe kit prices on page 271

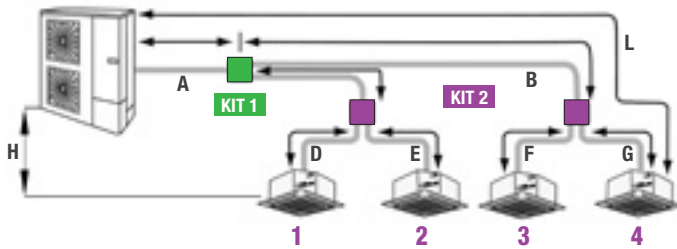
For faster selection: use Hi-ToolKit FOR BUSINESS!

Installation with 2 multikits

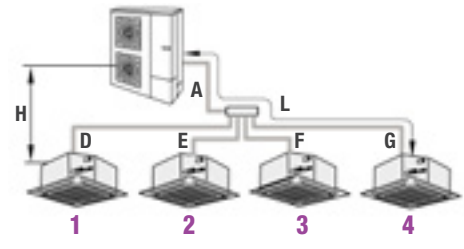


QUAD

2 stage Kit: 1 x KIT 1 & 2 x KIT 2



Basic Kit, 4 outlets (only on 8-10-12HP)



Multikits

TWIN / Outdoor units	DIAMETER A		KIT	Output of indoor unit	DIAMETER B, C	
	GAS	LIQUID			GAS	LIQUID
3.0HP	5/8 "	3/8 "	TE 26N2	≤ 1.5HP	1/2 "	1/4 "
4.0HP				≤ 1.8 / 2.0HP	5/8 "	3/8 "
5.0HP				≥ 2.3HP		
6.0HP	1 1/8 "	3/8 "	TE 810N2	≤ 1.5HP	1/2 "	1/4 "
8.0HP				≤ 1.8 / 2.0HP	5/8 "	3/8 "
10.0HP		≥ 2.3HP				
12.0HP		1/2 "				

TRIPLE / Outdoor units	DIAMETER A		KIT	Output of indoor unit	DIAMETER B, C	
	GAS	LIQUID			GAS	LIQUID
4.0HP	5/8 "	3/8 "	TRE 46N1	≤ 1.5HP	1/2 "	1/4 "
5.0HP				≤ 1.8 / 2.0HP	5/8 "	3/8 "
6.0HP				≥ 2.3HP		
8.0HP	1 1/8 "	3/8 "	TRE 812N1	≤ 1.5HP	1/2 "	1/4 "
10.0HP				≤ 1.8 / 2.0HP	5/8 "	3/8 "
12.0HP		≥ 2.3HP				

Note: the unit RPI 8-10HP is not compatible with this connection

2 Stage Kit: 1 x KIT 1 & 2 x KIT 2

QUAD Kit 1 Outdoor units	DIAMETER A		KIT 1
	GAS	LIQUID	
4.0HP	5/8 "	3/8 "	4/5/6HP : TE 26N2
5.0HP			
6.0HP			
8.0HP	1 1/8 "	3/8 "	TE 810N2
10.0 / 12.0HP			

QUAD Kit 2 Outdoor unit 1+2 or 2+3	DIAMETER A		KIT 2
	GAS	LIQUID	
≤ 1.5HP	1/2 "	1/4 "	TE 26N2
≤ 1.8 / 2.0HP			
≥ 2.3HP			

Note: if the imbalance 1+2 / 3+4 is above 40% / 60%, use a basic KIT QE 812N1

Basic Kit, 4 outlets (only on 8-10-12HP)

QUAD / Outdoor units	DIAMETER A		KIT
	GAS	LIQUID	
8.0HP	1 1/8 "	3/8 "	QE 812N1
10.0 / 12.0HP		1/2 "	

Output of indoor unit	DIAMETER D, E, F, G	
	GAS	LIQUID
≤ 1.5HP	1/2 "	1/4 "
≤ 1.8 / 2.0HP	5/8 "	3/8 "
≥ 2.3HP		

Piping lengths

Manifold fixtures / Outdoor units		3HP	4HP	5HP	6HP	8HP	10HP	12HP
Maximum length between outdoor unit and the farthest unit	Actual length (L)	50m	70m	75m			100m	
	Equivalent length*	70m	90m	95m			125m	
Total length of piping	Twin (A+B+C)	60m	80m	85m		100m	115m	
	Triple (A+B+C+D)	-	90m	95m		100m	130m	
	Quad (A+B+C+D+E+F+G+)	-	90m	95m		100m	145m	
	Twin and Triple (B, C, D)		10m				15m	
Maximum length after manifold	Quad (B+D, B+E, C+F, C+G)	-	10m				15m	
	Length of main area A	A > B, C, D, E, F, G						
Maximum drop OU / IU (H) (above / below OU)		30 / 20m						
Maximum drop in height IU / IU		3m						
Maximum drop: By-pass / IU - By-pass/By-pass		3m						
Max imbalance: (B-C), (B-D), (C-D), (C+G)-(B+E), (C+G)-(B+D), (C+F)-(B+E), (C+F)-(B+D)		< 8m						

* Linear length without bends

Please refer to pipe kit prices on page 271

Outdoor Units

UTOPIA IVX COMFORT

		RAS 3HVNC1	RAS 4HVNC1E	RAS 4HNC1E	RAS 5HVNC1E	RAS 5HNC1E
Power supply		230V / 1Ph / 50Hz	230V / 1Ph / 50Hz	400V / 3Ph / 50Hz	230V / 1Ph / 50Hz	400V / 3Ph / 50Hz
Min-Max Number Of Indoor Units		1-2*			1-4*	
Lowest Connectable Capacity	HP			0.8		
Connection Ratio (Min-Max)	%	90-110			90-115	
Nominal Cooling Capacity (min - max) ⁽¹⁾	kW	7.10 (3.20 - 8.0)	10.0 (4.5 - 11.2)	10.0 (4.5 - 11.20)	12.5 (5.70 - 14.0)	12.5 (5.70 - 14.0)
Nominal Heating Capacity (min - max) ⁽²⁾	kW	8.0 (3.5 - 10.6)	11.2 (5.0-14.0)	11.2 (5.0-14.0)	14.0 (6.0 - 16.0)	14.0 (6.0 - 16.0)
Seasonal Efficiency SEER ⁽³⁾		6.00	6.57	6.41	-	-
Energy Efficiency Class		A+	A+	A+	-	-
Seasonal Efficiency SCOP ⁽³⁾ (Average Climate)		4.21	4.47	4.47	-	-
Energy Efficiency Class		A+	A+	A+	-	-
Nominal Load Efficiency EER / COP ⁽⁴⁾		3.14 / 4,00	3.70 / 4.57	3.70 / 4.57	3.37 / 3.89	3.37 / 3.89
Energy Class (Cool/Heat)		A / A	A / A	A / A	A / A	A / A
Noise level cooling (sound pressure) (night mode) ⁽⁵⁾	dB(A)	48 (46)	52 (50)	52 (50)	52 (50)	52 (50)
Noise level heating (sound pressure) ⁽⁵⁾	dB(A)	50	54	54	54	54
Noise level (sound power) ⁽⁶⁾	dB(A)	66	68	68	68	68
Air flow (Cooling / Heating)	m ³ /h	2682	3720	3720	4080	4080
Dimensions (H x W x D)	mm	600 x 792 x 300	1140 x 950 x 370	1140 x 950 x 370	1140 x 950 x 370	1140 x 950 x 370
Weight	kg	44	79	79	89	89
Piping diameter (Liquid / Gas)	Inch	3/8 / 5/8	3/8 / 5/8	3/8 / 5/8	3/8 / 5/8	3/8 / 5/8
	mm	9.53 / 15.88	9.53 / 15.88	9.53 / 15.88	9.53 / 15.88	9.53 / 15.88
Minimum Piping Length	m	5	5	5	5	5
Maximum Piping Length / Height Difference	m	50 / 30	70 / 30	70 / 30	75 / 30	75 / 30
Current Quantity of Refrigerant	kg	1.9	3.2	3.2	3.2	3.2
Chargeless / Additional Refrigerant Charge	m ³ /g/m	20 / 40	30 / 40	30 / 40	30 / 60	30 / 60
Recommended fuse size	A	20	32	16	32	16
Starting current	A	<10	<10	<10	<10	<10
Running current (cooling / heating)	A	9.4/8.3	11.2/10.1	4.1/3.7	15.5/15.1	5.7/5.5
Interconnecting Cables	No.	LNE + 2 core screened				
Working Range (cooling / heating)	°C	-5°C~-46(db)°C / -20(wb)°C~-15(wb)°C				
Refrigerant / GWP		R410a / 1975	R410a / 1975	R410a / 1975	R410a / 1975	R410a / 1975
Compressor type		Scroll	Scroll	Scroll	Scroll	Scroll

		RAS 6HVNC1E	RAS 6HNC1E	RAS 8HNCE	RAS 10HNCE	RAS 12HNC
Power supply		230V / 1Ph / 50Hz	400V / 3Ph / 50Hz	400V / 3Ph / 50Hz	400V / 3Ph / 50Hz	400V / 3Ph / 50Hz
Min-Max Number Of Indoor Units			1-4*		1-4	
Lowest Connectable Capacity	HP		0.8		1.8	
Connection Ratio (Min-Max)	%			90-115		
Nominal Cooling Capacity (min - max) ⁽¹⁾	kW	14.0 (6.0 - 16.0)	14.0 (6.0 - 16.0)	20.0 (9.0 - 22.4)	25.0 (10.0 - 28.0)	30.0 (11.2 - 33.5)
Nominal Heating Capacity (min - max) ⁽²⁾	kW	16.0 (6.0 - 18.0)	16.0 (6.0 - 18.0)	22.4 (8.3 - 25.0)	28.0 (8.0 - 35.0)	33.5 (9.0 - 37.5)
Seasonal Efficiency SEER ⁽³⁾		-	-	-	-	-
Energy Efficiency Class		-	-	-	-	-
Seasonal Efficiency SCOP ⁽³⁾ (Average Climate)		-	-	-	-	-
Energy Efficiency Class		-	-	-	-	-
Nominal Load Efficiency EER / COP ⁽⁴⁾		3.26 / 3.89	3.26 / 3.89	3.36 / 3.81	3.02 / 3.63	2,57 / 3,54
Energy Class (Cool/Heat)		A / A	A / A	A / A	B / A	E / B
Noise level cooling (sound pressure) (night mode) ⁽⁵⁾	dB(A)	55 (53)	55 (53)	57 (55)	58 (56)	59 (56)
Noise level heating (sound pressure) ⁽⁵⁾	dB(A)	57	57	59	60	61
Noise level (sound power) ⁽⁶⁾	dB(A)	71	71	76	76	77
Air flow (Cooling / Heating)	m ³ /h	4800	4800	7620	8040	9780
Dimensions (H x W x D)	mm	1140 x 950 x 370	1140 x 950 x 370	1380 x 950 x 370	1380 x 950 x 370	1650 x 1100 x 390
Weight	kg	89	89	136	138	168
Piping diameter (Liquid / Gas)	Inch	3/8 / 5/8	3/8 / 5/8	3/8 / 11/8	1/2 / 11/8	1/2 / 11/8
	mm	9.53 / 15.88	9.53 / 15.88	9.53 / 28.61	12.07 / 28.61	12.07 / 28.61
Minimum Piping Length	m	5	5	5	5	5
Maximum Piping Length / Height Difference	m	75 / 30	75 / 30	100 / 30	100 / 30	100 / 30
Current Quantity of Refrigerant	kg	3.2	3.2	5.7	6.2	6.7
Chargeless / Additional Refrigerant Charge	m ³ /g/m	30 / 60	30 / 60	30 / Calculate	30 / Calculate	30 / Calculate
Recommended fuse size	A	32	16	32	32	32
Starting current	A	<10	<10	<10	<10	<10
Running current (cooling / heating)	A	18.1/19.0	6.6/6.9	9.1/9.0	12.9/12.0	18.1/14.6
Interconnecting Cables	No.	LNE + 2 core screened				
Working Range (cooling / heating)	°C	-5°C~-46(db)°C / -20(wb)°C~-15(wb)°C			-5°C~-46(db)°C / -20(wb)°C~-15(wb)°C	
Refrigerant / GWP		R410a / 1975	R410a / 1975	R410a / 1975	R410a / 1975	R410a / 1975
Compressor type		Scroll	Scroll	Scroll	Scroll	Scroll

* Restrictions apply, see Technical Catalogue

(1) Nominal Cooling: Internal temperature 27°C db (19°C wb) - Ambient 35°C

(2) Nominal Heating: Internal temperature 20°C - Ambient 7°C db (6°C wb)

(3) Data calculated in accordance to prEN14825 and the Commission Communication 2012/C 172/01

(4) Nominal load efficiency (Cooling 35°C/27°C, Heating 7°C/20°C)

(5) Sound pressure level is measured at 1.0m from the unit front surface and 1.5m from floor level (Measured in an anechoic chamber).

(6) Sound power level is the A-weighted sound power level [dB(A)] measured at standard rated conditions for the «cooling» mode operation in accordance to EN12102

Wall Mounted

UTOPIA IVX COMFORT



SYSTEM
FREE



RPK 3.0 - 4.0FSN(H)3M



PC ARF



PC ART



RAS 3HVNC1



RAS 4H(V)NC1E

Indoor units

- /// Nominal cooling capacities 7.1kW to 10.0kW
- /// Nominal heating capacities 8.0kW to 11.2kW
- /// Low consumption motor
- /// Modern sleek design
- /// Ideal for offices and shops
- /// Automatic restart
- /// Easily accessible filters
- /// Built-in infra-red receiver.

Remote controllers

- /// Advanced PC-ARF wired LED controller (inc. 7-day time clock)
 - 5 time ranges with different temperatures (reduced, weekly, holiday etc)
 - Service menu and optional function menus, *add your contact details to be shown when there is an error*
- /// Standard PC-ART wired remote controller (inc. 7-day time clock)
 - 4 programmable weekly schedules
 - Service menu, optional function menu and fault diagnostic
- /// Alternative option: infra-red or simplified remote control - see pages 262-263.

Outdoor units

- /// Compact design - single fan
- /// Fully ErP compliant with 'A rated' seasonal efficiency
- /// Available in single phase and three phase



RPK 3.0 - 4.0FSN(H)3M

UTOPIA IVX COMFORT

Wall Mounted

INDOOR UNITS

		RPK 3.0FSN3M	RPK 4.0FSN3M
Nominal Cooling Capacity (min - max) ⁽¹⁾	kW	7.1 (3.2 - 8.0)	10 (4.5 - 11.2)
Nominal Heating Capacity (min - max) ⁽²⁾	kW	8.0 (3.5 - 10.6)	11.2 (5.0 - 14.0)
UK Cooling Capacity (sensible) ⁽³⁾	kW	7.7 (5.7)	10.6 (7.3)
Seasonal Efficiency SEER ⁽⁴⁾		5.35	5.56
Energy Efficiency Class		A	A
Seasonal Efficiency SCOP ⁽⁴⁾ (Average Climate)		3.80	3.83
Energy Efficiency Class		A	A
Nominal Load Efficiency EER / COP ⁽⁵⁾		2.69 / 2.93	2.15 / 3.15
Energy Class (Cool/Heat)		D / D	G / D
Noise Level (sound pressure) (L / M / H / H1*) ⁽⁶⁾ (SP-00)	dB(A)	36/40/43/49	41/46/49/51
Noise level (sound power) ⁽⁸⁾ (SP-00)	dB(A)	59	64
Air flow cooling mode (L / M / H / H1*)	m ³ /h	720/840/1020/1140	900/1020/1140/1320
Dimensions (H x W x D)	mm	333x1150x245	333x1150x245
Weight	kg	18	18
Included Condensate Pump		No	No
Drain Diameter (ext)		φ20mm	φ20mm
Piping Diameter (Liquid / Gas)	Inch mm	3/8 / 5/8 9.53 / 15.88	3/8 / 5/8 9.53 / 15.88
Power Input	w	40	40
Power supply		230V / 1Ph / 50Hz	230V / 1Ph / 50Hz
Recommended fuse size	A	5	5
Remote Controller		PC-ART (PC-ARF infra-red and simplified model optional)	

* Four fan speeds only available with PC-ARF wired controller or PC-LH3B infra-red controller

OUTDOOR UNITS

		RAS 3HVNC1	RAS 4H(V)NC1E
Power supply		230V / 1Ph / 50Hz	(230V / 1Ph / 50Hz) - 400V / 3Ph / 50Hz
Noise level cooling (sound pressure) (night mode) ⁽⁷⁾	dB(A)	48 (46)	52 (50)
Noise level heating (sound pressure) ⁽⁷⁾	dB(A)	50	54
Noise level (sound power) ⁽⁸⁾	dB(A)	66	68
Air flow (Cooling / Heating)	m ³ /h	2682	3720
Dimensions (H x W x D)	mm	600 x 792 x 300	1140 x 950 x 370
Weight	kg	44	79
Piping diameter (Liquid / Gas)	Inch mm	3/8 / 5/8 9.53 / 15.88	3/8 / 5/8 9.53 / 15.88
Minimum Piping Length	m	5	5
Maximum Piping Length / Height Difference	m	50 / 30	70 / 30
Current Quantity of Refrigerant	kg	1.9	3.2
Chargeless / Additional Refrigerant Charge	m / g/m	20 / 40	30 / 40
Recommended fuse size - 1Ph/3Ph	A	20/-	32/16
Starting current - 1Ph/3Ph	A	<10	<10
Running current (cooling / heating) 1Ph (3Ph)	A	9.4/8.3 (-/-)	11.2/10.1 (4.1/3.7)
Interconnecting Cables	No.	LNE + 2 core screened	
Working Range (cooling / heating)	°C	-5°C~-46(db)°C/ -20(wb)°C~15(wb)°C	
Refrigerant / GWP		R410a / 1975	R410a / 1975
Compressor type		Scroll	Scroll

System price includes PC-ART wired remote controller.

(1) Nominal Cooling: Internal temperature 27°C db (19°C wb) - Ambient 35°C

(2) Nominal Heating: Internal temperature 20°C - Ambient 7°C db (6°C wb)

(3) UK Cooling: Internal Temperature 23°C db (16°C wb) - Ambient 30°C

(4) Data calculated in accordance to prEN14825 and the Commission Communication 2012/C 172/01

(5) Nominal load efficiency (Cooling 35°C/27°C, Heating 7°C/20°C)

(6) Sound pressure level is measured at 1.0m below the unit and 1.0m from the discharge louvre (Measured in an anechoic chamber)

(7) Sound pressure level is measured at 1.0m from the unit front surface and 1.5m from floor level (Measured in an anechoic chamber)

(8) Sound power level is the A-weighted sound power level [dB(A)] measured at standard rated conditions for the «cooling» mode operation in accordance to EN12102

Ducted in the Ceiling

UTOPIA IVX COMFORT



RPI 3-6FSN4E



RPI 8-10FSN3E



PC ARF



PC ART



RAS 3HVNC1



RAS 4-5-6H(V)NC1E



RAS 8-10HNCE

Indoor units

- ✓ Possible to supply fresh air: Econofresh see pages 208-209
- ✓ Low consumption motor
- ✓ 4 speed, 3 static pressure levels, including zero pressure for blowing onto the grill.

Remote controllers

- ✓ Advanced PC-ARF wired LED controller (inc. 7-day time clock)
 - 5 time ranges with different temperatures (reduced, weekly, holiday etc)
 - Service menu and optional function menus, *add your contact details to be shown when there is an error*
- ✓ Standard PC-ART wired remote controller (inc. 7-day time clock)
 - 4 programmable weekly schedules
 - Service menu, optional function menu and fault diagnostic
- ✓ Alternative option: infra-red or simplified remote control - see pages 262-263.

Outdoor units

- ✓ Capacities from 3.2kW to 35kW
- ✓ Compact design – single fan (up to 6HP)
- ✓ Multi split applications possible
- ✓ SCOP of up to 4.31 A rating and SEER of up to 5.84 A+ rating
- ✓ Available in single phase and three phase



RPI 3-6FSN4E

UTOPIA IVX COMFORT

Ducted in the Ceiling

INDOOR UNITS

		RPI 3.0FSN4E	RPI 4.0FSN4E	RPI 5.0FSN4E	RPI 6.0FSN4E	RPI 8.0FSN3E	RPI 10.0FSN3E
Nominal Cooling Capacity (min - max) ⁽¹⁾	kW	7.1 (3.2 - 8.0)	10 (4.5 - 11.2)	12.5 (5.7 - 14.0)	14.0 (6.0 - 16.0)	20.00 (8.00 - 22.40)	25.00 (10.00 - 28.00)
Nominal Heating Capacity (min - max) ⁽²⁾	kW	8.0 (3.5 - 10.6)	11.2 (5.0 - 14.0)	14.0 (5.0 - 16.0)	16.0 (5.0 - 18.0)	22.40 (6.30 - 28.00)	28.00 (8.00 - 35.00)
UK Cooling Capacity (sensible) ⁽³⁾	kW	7.7 (6.2)	10.6 (8.2)	13.2 (9.5)	15.6 (10.8)	21.1 (16.2)	26.1 (18.8)
Seasonal Efficiency SEER ⁽⁴⁾		4.97	5.38	-	-	-	-
Energy Efficiency Class		B	A	-	-	-	-
Seasonal Efficiency SCOP ⁽⁴⁾ (Average Climate)		3.80	4.01	-	-	-	-
Energy Efficiency Class		A	A+	-	-	-	-
Nominal Load Efficiency EER / COP ⁽⁵⁾		2.81 / 3.54	3.10 / 4.03	3.18 / 3.54	3.08 / 3.37	2.84 / 3.07	2.73 / 3.04
Energy Class (Cool/Heat)		C / B	B / A	A / B	B / C	C / D	D / D
Noise Level (sound pressure) (L / M / H) ⁽⁶⁾ (SP-00)	dB(A)	29/31/31	32/35/37	33/35/38	33/36/39	51/54/54	52/55/55
Noise level (sound power) ⁽⁸⁾ (SP-00)	dB(A)	57	62	65	66	77	78
Air flow cooling mode (L / M / H)	m ³ /h	960/1140/1320	1500/1680/1800	1740/1920/2100	1800/1980/2160	3570/3960/3960	4056 / 4500 / 4500
Static Pressure Nom. (min ~ max)	Pa	30 (0 - 125)	45 (0 - 120)	50 (0 - 140)	50 (0 - 140)	140 - 220	140 - 220
Dimensions (H x W x D)	mm	275x1084x600	275x1474x600	275x1474x600	275x1474x600	423 x 1592 x 600	423 x 1592 x 600
Weight	kg	36	48	48	48	85	87
Included Condensate Pump		yes	yes	yes	yes	no	no
Condensate Pump Lift		850 mm from the bottom edge of the unit					
Drain Diameter (ext)		ø32mm	ø32mm	ø32mm	ø32mm	ø25mm	ø25mm
Piping Diameter (Liquid / Gas)	Inch mm	3/8 / 5/8 9.53 / 15.88	3/8 / 5/8 9.53 / 15.88	3/8 / 5/8 9.53 / 15.88	3/8 / 5/8 9.53 / 15.88	3/8 / 5/8 9.53 / 15.88	3/8 / 7/8 9.53 / 22.2
Power Input	w	150	250	250	250	1065	1065
Power supply		230V / 1Ph / 50Hz	230V / 1Ph / 50Hz	230V / 1Ph / 50Hz	230V / 1Ph / 50Hz	230V / 1Ph / 50Hz	230V / 1Ph / 50Hz
Recommended fuse size	A	5	5	5	5	10	10
Remote Controller		PC ART (PC-ARF, infra-red and simplified model optional)					

OUTDOOR UNITS

		RAS 3HVNC1	RAS 4H(V)NC1E	RAS 5H(V)NC1E	RAS 6H(V)NC1E	RAS 8HNCE	RAS 10HNCE
Power supply		230V / 1Ph / 50Hz	(230V / 1Ph / 50Hz) 400V / 3Ph / 50Hz		400V / 3Ph / 50Hz		
Noise level cooling (sound pressure) (night mode) ⁽⁷⁾	dB(A)	48 (46)	52 (50)	52 (50)	55 (53)	57 (55)	58 (56)
Noise level heating (sound pressure) ⁽⁷⁾	dB(A)	50	54	54	57	59	60
Noise level (sound power) ⁽⁸⁾	dB(A)	66	68	68	71	76	76
Air flow (Cooling / Heating)	m ³ /h	2682	3720	4080	4800	7620	8040
Dimensions (H x W x D)	mm	600 x 792 x 300	1140 x 950 x 370	1140 x 950 x 370	1140 x 950 x 370	1380 x 950 x 370	1380 x 950 x 370
Weight	kg	44	79	89	89	136	138
Piping diameter (Liquid / Gas)	Inch mm	3/8 / 5/8 9.53 / 15.88	3/8 / 5/8 9.53 / 15.88	3/8 / 5/8 9.53 / 15.88	3/8 / 5/8 9.53 / 15.88	3/8 / 11/8 9.53 / 28.61	1/2 / 11/8 12.07 / 28.61
Minimum Piping Length	m	5	5	5	5	5	5
Maximum Piping Length / Height Difference	m	50 / 30	70 / 30	75 / 30	75 / 30	100 / 30	100 / 30
Current Quantity of Refrigerant	kg	1.9	3.2	3.2	3.2	5.7	6.2
Chargeless / Additional Refrigerant Charge	m / g/m	20 / 40	30 / 40	30 / 60	30 / 60	30 / Calculate	30 / Calculate
Recommended fuse size - 1Ph/3Ph	A	20/-	32/25	32/16	32/16	-/32	-/32
Starting current (1Ph/3Ph)	A	<10	<10	<10	<10	<10	<10
Running current (cooling / heating) 1Ph (3Ph)	A	9.4/8.3 (-/-)	11.2/10.1 (4.1/3.7)	15.5/15.1 (5.7/5.5)	18.1/19.0 (6.6/6.9)	-/(9.1/9.0)	-/(12.9/12.0)
Interconnecting Cables	No.	LNE + 2 core screened					
Working Range (cooling / heating)	°C	-5°C~-46(db)°C / -20(wb)°C~-15(wb)°C					
Refrigerant / GWP		R410a / 1975	R410a / 1975	R410a / 1975	R410a / 1975	R410a / 1975	R410a / 1975
Compressor type		Scroll	Scroll	Scroll	Scroll	Scroll	Scroll

System price includes PC-ART wired remote controller.

(1) Nominal Cooling: Internal temperature 27°C db (19°C wb) - Ambient 35°C

(2) Nominal Heating: Internal temperature 20°C - Ambient 7°C db (6°C wb)

(3) UK Cooling: Internal Temperature 23°C db (16°C wb) - Ambient 30°C

(4) Data calculated in accordance to prEN14825 and the Commission Communication 2012/C 172/01

(5) Nominal load efficiency (Cooling 35°C/27°C, Heating 7°C/20°C)

(6) Sound pressure level is measured at 1.5m below the unit (Measured in an anechoic chamber)

(7) Sound pressure level is measured at 1.0m from the unit front surface and 1.5m from floor level (Measured in an anechoic chamber)

(8) Sound power level is the A-weighted sound power level [dB(A)] measured at standard rated conditions for the «cooling» mode operation in accordance to EN12102

Cassettes

UTOPIA IVX COMFORT



SCOP
A+

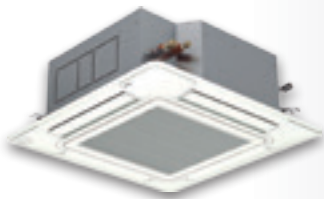
SEER
A+

R-410A

R-410A
Replaces
R-407C | R-22

DC
INVERTER

SYSTEM
FREE



RCI 3-6FSN3EK

Indoor units

- ✓ Nominal cooling capacities 7.1kW to 14.0kW
- ✓ Nominal heating capacities 8.0kW to 16.0kW
- ✓ Standard 900mm x 900mm design
- ✓ Super High Stream turbo fan with curved blades for 20% increased efficiency with noise levels as low as 28dB(A)
- ✓ High ceiling adaptability
- ✓ Built-in condensate drain pump
- ✓ Access to components from below.



PC ARF



PC ART

Remote controllers

- ✓ Advanced PC-ARF wired LED controller (inc. 7-day time clock)
 - Louvre control
 - 5 time ranges with different temperatures (reduced, weekly, holiday etc)
 - Service menu and optional function menus, *add your contact details to be shown when there is an error*
- ✓ Standard PC-ART wired remote controller (inc. 7-day time clock)
 - Louvre control
 - 4 programmable weekly schedules
 - Service menu, optional function menu and fault diagnostic
- ✓ Alternative option: infra-red or simplified remote control - see pages 262-263.



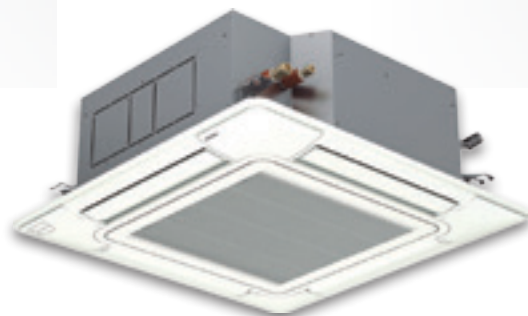
RAS 3HVNC1



RAS 4-5-6H(V)NC1E

Outdoor units

- ✓ Compact design - single fan (up to 6HP)
- ✓ Fully ErP compliant
- ✓ Available in single phase and three phase



RCI 3-6FSN3EK

UTOPIA IVX COMFORT

4-Way Cassette

INDOOR UNITS

		RCI 3.0FSN3Ek	RCI 4.0FSN3Ek	RCI 5.0FSN3Ek	RCI 6.0FSN3Ek
Nominal Cooling Capacity (min - max) ⁽¹⁾	kW	7.1 (3.2 - 8.0)	10 (4.5 - 11.2)	12.5 (5.7 - 14.0)	14.0 (6.0 - 16.0)
Nominal Heating Capacity (min - max) ⁽²⁾	kW	8.0 (3.5 - 10.6)	11.2 (5.0 - 14.0)	14.0 (5.0 - 16.0)	16.0 (5.0 - 18.0)
UK Cooling Capacity (sensible) ⁽³⁾	kW	7.7 (6.1)	10.6 (8.3)	13.2 (9.8)	15.6 (11.4)
Seasonal Efficiency SEER ⁽⁴⁾		5.48	5.75	-	-
Energy Efficiency Class		A	A+	-	-
Seasonal Efficiency SCOP ⁽⁴⁾ (Average Climate)		3.95	4.21	-	-
Energy Efficiency Class		A	A+	-	-
Nominal Load Efficiency EER / COP ⁽⁵⁾		3.01 / 3.83	3.2 / 4.13	3.3 / 3.73	3.07 / 3.38
Energy Class (Cool/Heat)		B / A	A / A	A / A	B / C
Noise Level (sound pressure) (L / M / H) ⁽⁶⁾	dB(A)	30/32/34	33/35/38	35/37/35	36/40/42
Noise level (sound power) ⁽⁸⁾	dB(A)	56	60	61	64
Air flow cooling mode (L / M / H)	m ³ /h	1200/1380/1560	1440/1680/1920	1500/1740/2040	1620/1920/2220
Dimensions (H x W x D)	mm	298 x 840 x 840	298 x 840 x 840	298 x 840 x 840	298 x 840 x 840
Weight	kg	26	29	29	29
Fascia Panel		P-AP160NAE (with Motion Sensor) P-AP160NA1 (without Motion Sensor)			
Fascia Panel Dimensions	mm	37 x 950 x 950	37 x 950 x 950	37 x 950 x 950	37 x 950 x 950
Fascia Panel Weight	kg	6	6	6	6
Included Condensate Pump		yes	yes	yes	yes
Condensate Pump Lift					
Drain Diameter (ext)		φ32mm	φ32mm	φ32mm	φ32mm
Piping Diameter (Liquid / Gas)	Inch mm	3/8 / 5/8 9.53 / 15.88	3/8 / 5/8 9.53 / 15.88	3/8 / 5/8 9.53 / 15.88	3/8 / 5/8 9.53 / 15.88
Power Input	w	56	108	108	108
Power supply		230V / 1Ph / 50Hz	230V / 1Ph / 50Hz	230V / 1Ph / 50Hz	230V / 1Ph / 50Hz
Recommended fuse size	A	5	5	5	5
Remote Controller		PC ART (PC-ARF, infra-red and simplified model optional)			

OUTDOOR UNITS

		RAS 3H(V)NC1	RAS 4H(V)NC1E	RAS 5H(V)NC1E	RAS 6H(V)NC1E
Power supply		230V / 1Ph / 50Hz	(230V / 1Ph / 50Hz) - 400V / 3Ph / 50Hz		
Noise level cooling (sound pressure) (night mode) ⁽⁷⁾	dB(A)	48 (46)	52 (50)	52 (50)	55 (53)
Noise level heating (sound pressure) ⁽⁷⁾	dB(A)	50	54	54	57
Noise level (sound power) ⁽⁸⁾	dB(A)	66	68	68	71
Air flow (Cooling / Heating)	m ³ /h	2682	3720	4080	4800
Dimensions (H x W x D)	mm	600 x 792 x 300	1140 x 950 x 370	1140 x 950 x 370	1140 x 950 x 370
Weight	kg	44	79	89	89
Piping diameter (Liquid / Gas)	Inch mm	3/8 / 5/8 9.53 / 15.88	3/8 / 5/8 9.53 / 15.88	3/8 / 5/8 9.53 / 15.88	3/8 / 5/8 9.53 / 15.88
Minimum Piping Length	m	5	5	5	5
Maximum Piping Length / Height Difference	m	50 / 30	70 / 30	75 / 30	75 / 30
Current Quantity of Refrigerant	kg	1.9	3.2	3.2	3.2
Chargeless / Additional Refrigerant Charge	m / g/m	20 / 40	30 / 40	30 / 60	30 / 60
Recommended fuse size - 1Ph/3Ph	A	20/-	32/16	32/16	32/16
Starting current - 1Ph/3Ph	A	<10	<10	<10	<10
Running current (cooling / heating) 1Ph (3Ph)	A	9.4/8.3 (-/-)	11.2/10.1 (4.1/3.7)	15.5/15.1 (5.7/5.5)	18.1/19.0 (6.6/6.9)
Interconnecting Cables	No.	LNE + 2 core screened			
Working Range (cooling / heating)	°C	-5°C--46(db)°C / -20(wb)°C--15(wb)°C			
Refrigerant / GWP		R410a / 1975	R410a / 1975	R410a / 1975	R410a / 1975
Compressor type		Scroll	Scroll	Scroll	Scroll

System price includes PC-ART wired remote controller.

(1) Nominal Cooling: Internal temperature 27°C db (19°C wb) - Ambient 35°C

(2) Nominal Heating: Internal temperature 20°C - Ambient 7°C db (6°C wb)

(3) UK Cooling: Internal Temperature 23°C db (16°C wb) - Ambient 30°C

(4) Data calculated in accordance to prEN14825 and the Commission Communication 2012/C 172/01

(5) Nominal load efficiency (Cooling 35°C/27°C, Heating 7°C/20°C)

(6) Sound pressure level is measured at 1.5m below the unit (Measured in an anechoic chamber)

(7) Sound pressure level is measured at 1.0m from the unit front surface and 1.5m from floor level (Measured in an anechoic chamber)

(8) Sound power level is the A-weighted sound power level [dB(A)] measured at standard rated conditions for the «cooling» mode operation in accordance to EN12102.

Cassettes

HIGH EFFICIENCY UTOPIA IVX COMFORT



SCOP
A+

SEER
A+

R-410A

R-410A
Refrigerant
R-407C | R-22

DC
INVERTER

SYSTEM
FREE



RCI 3-6FSN3



'SILKY FLOW' LOUVRES



PC ARF



MOTION SENSOR



RAS 3HVNC1



RAS 4-5-6H(V)NC1E

Indoor units

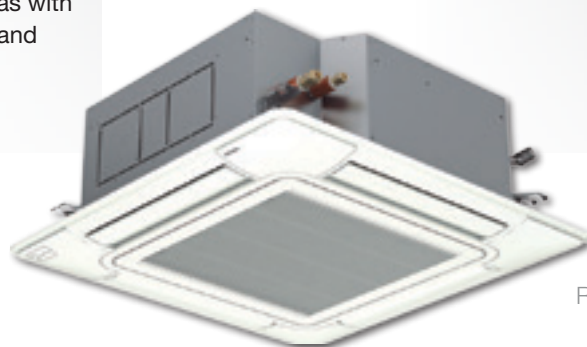
- /// Nominal cooling capacities
7.1kW to 14.0kW
- /// Nominal heating capacities
8.0kW to 16.0kW
- /// Standard 900mm x 900mm design
- /// New heat exchanger and Super High Stream turbo fan with curved blades for 20% increased efficiency with noise levels as low as 28dB(A)
- /// Optional motion sensor adjusts heating and cooling levels as room occupancy changes allowing high energy savings
- /// Built-in condensate drain pump with ionic silver antibacterial pads to prevent mould and bacteria
- /// Suitable for installation in areas with high ceilings – ideal for retail and shopping centres.

Remote controllers

- /// Advanced PC-ARF wired LED controller (inc. 7-day time clock)
 - Louvre control
 - 5 time ranges with different temperatures (reduced, weekly, holiday etc)
 - Service menu and optional function menus, *add your contact details to be shown when there is an error*
- /// Alternative option: PC LH3B infra-red remote control - see pages 262-263.

Outdoor units

- /// Compact design - single fan (up to 6HP)
- /// Fully ErP compliant with A++ seasonal efficiency
- /// Available in single phase and three phase



RCI 3-6FSN3

UTOPIA IVX COMFORT

High Efficiency 4-Way Cassette

INDOOR UNITS

		RCI 3.0FSN3	RCI 4.0FSN3	RCI 5.0FSN3	RCI 6.0FSN3
Nominal Cooling Capacity (min - max) ⁽¹⁾	kW	7.1 (3.2 - 8.0)	10 (4.5 - 11.2)	12.5 (5.7 - 14.0)	14.0 (6.0 - 16.0)
Nominal Heating Capacity (min - max) ⁽²⁾	kW	8.0 (3.5 - 10.6)	11.2 (5.0 - 14.0)	14.0 (5.0 - 16.0)	16.0 (5.0 - 18.0)
UK Cooling Capacity (sensible) ⁽³⁾	kW	7.7 (6.2)	10.6 (8.2)	13.2 (9.5)	15.7 (10.8)
Seasonal Efficiency SEER ⁽⁴⁾		6.00	6.57	-	-
Energy Efficiency Class		A+	A++	-	-
Seasonal Efficiency SCOP ⁽⁴⁾ (Average Climate)		4.21	4.47	-	-
Energy Efficiency Class		A+	A+	-	-
Nominal Load Efficiency EER / COP ⁽⁵⁾		3.14 / 4.0	3.7 / 4.57	3.37 / 3.89	3.26 / 3.56
Energy Class (Cool/Heat)		B / A	A / A	A / A	A / B
Noise Level (sound pressure) (L/M/H/H2) ⁽⁶⁾	dB(A)	28/32/36/42	33/39/43/48	35/40/45/48	37/41/46/48
Noise level (sound power) ⁽⁶⁾	dB(A)	57	64	64	65
Air flow cooling mode (L/M/H/H2)	m ³ /h	840/1080/1380/1620	1200/1440/1860/2220	1260/1560/1980/2220	1320/1680/2100/2220
Dimensions (H x W x D)	mm	298 x 840 x 840	298 x 840 x 840	298 x 840 x 840	298 x 840 x 840
Weight	kg	26	26	26	26
Fascia Panel		P-AP160NAE (with Motion Sensor) P-AP160NA1 (without Motion Sensor)			
Fascia Panel Dimensions	mm	37 x 950 x 950	37 x 950 x 950	37 x 950 x 950	37 x 950 x 950
Fascia Panel Weight	kg	6.5	6.5	6.5	6.5
Included Condensate Pump		yes	yes	yes	yes
Condensate Pump Lift		850 mm from the bottom edge of the unit			
Drain Diameter (ext)		φ32mm	φ32mm	φ32mm	φ32mm
Piping Diameter (Liquid / Gas)	Inch mm	3/8 / 5/8 9.53 / 15.88	3/8 / 5/8 9.53 / 15.88	3/8 / 5/8 9.53 / 15.88	3/8 / 5/8 9.53 / 15.88
Power Input	w	57	127	127	127
Power supply		230V / 1Ph / 50Hz	230V / 1Ph / 50Hz	230V / 1Ph / 50Hz	230V / 1Ph / 50Hz
Recommended fuse size	A	5	5	5	5
Remote Controller		PC ARF (PC-ART, infra-red and simplified model optional)			

* Four fan speeds only available with PC-ARF wired controller or PC-LH3B infra-red controller/receiver kit

OUTDOOR UNITS

		RAS 3H(V)NC1	RAS 4H(V)NC1E	RAS 5H(V)NC1E	RAS 6H(V)NC1E
Power supply		230V / 1Ph / 50Hz	(230V / 1Ph / 50Hz) - 400V / 3Ph / 50Hz		
Noise level cooling (sound pressure) (night mode) ⁽⁷⁾	dB(A)	48 (46)	52 (50)	52 (50)	55 (53)
Noise level heating (sound pressure) ⁽⁷⁾	dB(A)	50	54	54	57
Noise level (sound power) ⁽⁸⁾	dB(A)	66	68	68	71
Air flow (Cooling / Heating)	m ³ /h	2682	3720	4080	4800
Dimensions (H x W x D)	mm	600 x 792 x 300	1140 x 950 x 370	1140 x 950 x 370	1140 x 950 x 370
Weight	kg	44	79	89	89
Piping diameter (Liquid / Gas)	Inch mm	3/8 / 5/8 9.53 / 15.88	3/8 / 5/8 9.53 / 15.88	3/8 / 5/8 9.53 / 15.88	3/8 / 5/8 9.53 / 15.88
Minimum Piping Length	m	5	5	5	5
Maximum Piping Length / Height Difference	m	50 / 30	70 / 30	75 / 30	75 / 30
Current Quantity of Refrigerant	kg	1.9	3.2	3.2	3.2
Chargeless / Additional Refrigerant Charge	m / g/m	20 / 40	30 / 40	30 / 60	30 / 60
Recommended fuse size - 1Ph/3Ph	A	20/-	32/16	32/16	32/16
Starting current - 1Ph/3Ph	A	<10	<10	<10	<10
Running current (cooling / heating) 1Ph (3Ph)	A	9.4/8.3 (-/-)	11.2/10.1 (4.1/3.7)	15.5/15.1 (5.7/5.5)	18.1/19.0 (6.6/6.9)
Interconnecting Cables	No.	LNE + 2 core screened			
Working Range (cooling / heating)	°C	-5°C--46(db)°C / -20(wb)°C--15(wb)°C			
Refrigerant / GWP		R410a / 1975	R410a / 1975	R410a / 1975	R410a / 1975
Compressor type		Scroll	Scroll	Scroll	Scroll

(1) Nominal Cooling: Internal temperature 27°C db (19°C wb) - Ambient 35°C

(2) Nominal Heating: Internal temperature 20°C - Ambient 7°C db (6°C wb)

(3) UK Cooling: Internal Temperature 23°C db (16°C wb) - Ambient 30°C

(4) Data calculated in accordance to prEN14825 and the Commission Communication 2012/C 172/01

(5) Nominal load efficiency (Cooling 35°C/27°C, Heating 7°C/20°C)

(6) Sound pressure level is measured at 1.5m below the unit (Measured in an anechoic chamber)

(7) Sound pressure level is measured at 1.0m from the unit front surface and 1.5m from floor level (Measured in an anechoic chamber)

(8) Sound power level is the A-weighted sound power level [dB(A)] measured at standard rated conditions for the «cooling» mode operation in accordance to EN12102.

Utopia Split Systems

CEILING SUSPENDED



SCOP
A

SEER
B



SYSTEM
FREE



RPC 3-6FSN3E



PC ARF



PC ART



RAS 3HVNC1



RAS 4-5-6H(V)NC1E

Indoor units

- ✓ Nominal cooling capacities 7.1kW to 14.0kW
- ✓ Nominal heating capacities 8.0kW to 16.0kW
- ✓ Drain lines connectable in two alternate locations for easy installation
- ✓ Fully adjustable mounting brackets allow installation in even the smallest area
- ✓ Centrifugal multi-blade fan and electronic louvre with automatic movement creates a powerful, quiet and evenly distributed airflow.

Remote controllers

- ✓ Advanced PC-ARF wired LED controller (inc. 7-day time clock)
 - 5 time ranges with different temperatures (reduced, weekly, holiday etc)
 - Service menu and optional function menus, *add your contact details to be shown when there is an error*
- ✓ Standard PC-ART wired remote controller (inc. 7-day time clock)
 - 4 programmable weekly schedules
 - Service menu, optional function menu and fault diagnostic
- ✓ Alternative option: infra-red or simplified remote control - see pages 262-263.

Outdoor units

- ✓ Compact design - single fan (up to 6HP)
- ✓ Fully ErP compliant
- ✓ Available in single phase and three phase.



RPC 3-6FSN3E

UTOPIA IVX COMFORT

Ceiling Suspended

INDOOR UNITS

		RPC 3.0FSN3E	RPC 4.0FSN3E	RPC 5.0FSN3E	RPC 6.0FSN3E
Nominal Cooling Capacity (min - max) ⁽¹⁾	kW	7.1 (3.2 - 8.0)	10.00 (4.50 - 11.20)	12.50 (5.70 - 14.00)	14.0 (6.0 - 16.0)
Nominal Heating Capacity (min - max) ⁽²⁾	kW	8.0 (3.5 - 10.6)	11.20 (5.00 - 14.00)	14.00 (5.00 - 16.00)	16.0 (5.0 - 20.0)
UK Cooling Capacity (sensible) ⁽³⁾	kW	7.7 (5.5)	10.6 (7.6)	13.2 (9.5)	15.6 (11.2)
Seasonal Efficiency SEER ⁽⁴⁾		4.68	4.61	-	-
Energy Efficiency Class		B	B	-	-
Seasonal Efficiency SCOP ⁽⁴⁾ (Average Climate)		3.80	3.80	-	-
Energy Efficiency Class		A	A	-	-
Nominal Load Efficiency EER / COP ⁽⁵⁾		2.65 / 3.07	2.8 / 3.33	2.52 / 3.1	2.41 / 3.04
Energy Class (Cool/Heat)		D / D	C / C	E / D	E / D
Noise Level (sound pressure) (L / M / H) ⁽⁶⁾	dB(A)	39/45/49	39/45/49	41/46/49	44/48/50
Noise level (sound power) ⁽⁶⁾	dB(A)	65	65	65	66
Air flow cooling mode (L / M / H)	m ³ /h	960/1260/1620	1140/1440/1800	1260/1680/2100	1620/1920/2220
Dimensions (H x W x D)	mm	225x1314x625	225x1314x625	225x1574x625	225x1574x625
Weight	kg	35	35	41	41
Included Condensate Pump		No	No	No	No
Drain Diameter (ext)		φ25mm	φ25mm	φ25mm	φ20mm
Piping Diameter (Liquid / Gas)	Inch mm	3/8 / 5/8 9.53 / 15.88	3/8 / 5/8 9.53 / 15.88	3/8 / 5/8 9.53 / 15.88	3/8 / 5/8 9.53 / 15.88
Power Input	w	145	145	145	40
Power supply		230V / 1Ph / 50Hz	230V / 1Ph / 50Hz	230V / 1Ph / 50Hz	230V / 1Ph / 50Hz
Recommended fuse size	A	5	5	5	5
Remote Controller		PC ART (PC-ARF, simplified model or optional infra-red)			

OUTDOOR UNITS

		RAS 3H(V)NC1	RAS 4H(V)NC1E	RAS 5H(V)NC1E	RAS 6H(V)NC1E
Power supply		230V / 1Ph / 50Hz	(230V / 1Ph / 50Hz) - 400V / 3Ph / 50Hz		
Noise level cooling (sound pressure) (night mode) ⁽⁷⁾	dB(A)	48 (46)	52 (50)	52 (50)	55 (53)
Noise level heating (sound pressure) ⁽⁷⁾	dB(A)	50	54	54	57
Noise level (sound power) ⁽⁸⁾	dB(A)	66	68	68	71
Air flow (Cooling / Heating)	m ³ /h	2682	3720	4080	4800
Dimensions (H x W x D)	mm	600 x 792 x 300	1140 x 950 x 370	1140 x 950 x 370	1140 x 950 x 370
Weight	kg	44	79	89	89
Piping diameter (Liquid / Gas)	Inch mm	3/8 / 5/8 9.53 / 15.88	3/8 / 5/8 9.53 / 15.88	3/8 / 5/8 9.53 / 15.88	3/8 / 5/8 9.53 / 15.88
Minimum Piping Length	m	5	5	5	5
Maximum Piping Length / Height Difference	m	50 / 30	70 / 30	75 / 30	75 / 30
Current Quantity of Refrigerant	kg	1.9	3.2	3.2	3.2
Chargeless / Additional Refrigerant Charge	m / g/m	20 / 40	30 / 40	30 / 60	30 / 60
Recommended fuse size - 1Ph/3Ph	A	20/-	32/16	32/16	32/16
Starting current - 1Ph/3Ph	A	<10	<10	<10	<10
Running current (cooling / heating) 1Ph (3Ph)	A	9.4/8.3 (-/-)	11.2/10.1 (4.1/3.7)	15.5/15.1 (5.7/5.5)	18.1/19.0 (6.6/6.9)
Interconnecting Cables	No.				
Working Range (cooling / heating)	°C	-5°C~46(db)°C / -20(wb)°C~-15(wb)°C			
Refrigerant / GWP		R410a / 1975	R410a / 1975	R410a / 1975	R410a / 1975
Compressor type		Scroll	Scroll	Scroll	Scroll

System price includes PC-ART wired remote controller.

(1) Nominal Cooling: Internal temperature 27°C db (19°C wb) - Ambient 35°C

(2) Nominal Heating: Internal temperature 20°C - Ambient 7°C db (6°C wb)

(3) UK Cooling: Internal Temperature 23°C db (16°C wb) - Ambient 30°C

(4) Data calculated in accordance to prEN14825 and the Commission Communication 2012/C 172/01

(5) Nominal load efficiency (Cooling 35°C/27°C, Heating 7°C/20°C)

(6) Sound pressure level is measured at 1.0m below the unit and 1.0m from the discharge louvre (Measured in an anechoic chamber)

(7) Sound pressure level is measured at 1.0m from the unit front surface and 1.5m from floor level (Measured in an anechoic chamber)

(8) Sound power level is the A-weighted sound power level [dB(A)] measured at standard rated conditions for the "cooling" mode operation in accordance to EN12102.

Utopia Split Systems

HI-EFFICIENCY CEILING SUSPENDED



SCOP
A

SEER
B



SYSTEM
FREE



RPC 3-6FSN3

Indoor units

- ✓ Nominal cooling capacities 7.1kW to 14.0kW
- ✓ Nominal heating capacities 8.0kW to 16.0kW
- ✓ Drain lines connectable in two alternate locations for easy installation
- ✓ Fully adjustable mounting brackets allow installation in even the smallest area
- ✓ Centrifugal multi-blade fan and electronic louvre with automatic movement creates a powerful, quiet and evenly distributed airflow.



PC ARF



PC ART

Remote controllers

- ✓ Advanced PC-ARF wired LED controller (inc. 7-day time clock)
 - 5 time ranges with different temperatures (reduced, weekly, holiday etc)
 - Service menu and optional function menus, *add your contact details to be shown when there is an error*
- ✓ Standard PC-ART wired remote controller (inc. 7-day time clock)
 - 4 programmable weekly schedules
 - Service menu, optional function menu and fault diagnostic
- ✓ Alternative option: infra-red or simplified remote control - see pages 262-263.



RAS 3HVNC1



RAS 4-5-6H(V)NC1E

Outdoor units

- ✓ Compact design - single fan (up to 6HP)
- ✓ Fully ErP compliant
- ✓ Available in single phase and three phase.



RPC 3-6FSN3

UTOPIA IVX COMFORT

Hi-Efficiency Ceiling Suspended

INDOOR UNITS (HI EFFICIENCY)

		RPC 3.0FSN3	RPC 4.0FSN3	RPC 5.0FSN3	RPC 6.0FSN3
Nominal Cooling Capacity (min - max) ⁽¹⁾	kW	7.1 (3.2 - 8.0)	10.00 (4.50 - 11.20)	12.50 (5.70 - 14.00)	14.0 (6.0 - 16.0)
Nominal Heating Capacity (min - max) ⁽²⁾	kW	8.0 (3.5 - 10.6)	11.20 (5.00 - 14.00)	14.00 (5.00 - 16.00)	16.0 (5.0 - 20.0)
UK Cooling Capacity (sensible) ⁽³⁾	kW	7.7 (5.5)	10.6 (7.6)	13.2 (9.5)	15.6 (11.2)
Seasonal Efficiency SEER ⁽⁴⁾		5.29	5.02	-	-
Energy Efficiency Class		A	B	-	-
Seasonal Efficiency SCOP ⁽⁴⁾ (Average Climate)		4.13	3.90	-	-
Energy Efficiency Class		A+	A	-	-
Nominal Load Efficiency EER / COP ⁽⁵⁾		3.43 / 3.43	3.85 / 3.85	2.72 / 3.55	2.55 / 3.44
Energy Class (Cool/Heat)		A / B	A / A	D / B	E / B
Noise Level (sound pressure) (L/M/H/H2) ⁽⁶⁾	dB(A)	29/33/37/40	32/37/42/44	35/41/45/48	36/42/47/49
Noise level (sound power) ⁽⁸⁾	dB(A)	56	60	64	65
Air flow cooling mode (L/M/H/H2)	m ³ /h	750/930/1110/1260	1020/1320/1590/1800	1200/1530/1860/2100	1260/1620/1950/2220
Dimensions (H x W x D)	mm	235x960x690	235x1580x690	235x1580x690	235x1580x690
Weight	kg	35	41	41	41
Included Condensate Pump		Opt.	Opt.	Opt.	Opt.
Drain Diameter (ext)		φ25mm	φ25mm	φ25mm	φ20mm
Piping Diameter (Liquid / Gas)	Inch mm	3/8 / 5/8 9.53 / 15.88	3/8 / 5/8 9.53 / 15.88	3/8 / 5/8 9.53 / 15.88	3/8 / 5/8 9.53 / 15.88
Power Input	w	80	160	160	160
Power supply		230V / 1Ph / 50Hz	230V / 1Ph / 50Hz	230V / 1Ph / 50Hz	230V / 1Ph / 50Hz
Recommended fuse size	A	5	5	5	5
Motion Sensor Kit		SOR-NEP			
Remote Controller		PC ART (PC-ARF, simplified model or optional infra-red)			

* Four fan speeds only available with PC-ARF wired controller or PC-LH3B infra-red controller/receiver kit

OUTDOOR UNITS

		RAS 3H(V)NC1	RAS 4H(V)NC1E	RAS 5H(V)NC1E	RAS 6H(V)NC1E
Power supply		230V / 1Ph / 50Hz	(230V / 1Ph / 50Hz) - 400V / 3Ph / 50Hz		
Noise level cooling (sound pressure) (night mode) ⁽⁷⁾	dB(A)	48 (46)	52 (50)	52 (50)	55 (53)
Noise level heating (sound pressure) ⁽⁷⁾	dB(A)	50	54	54	57
Noise level (sound power) ⁽⁸⁾	dB(A)	66	68	68	71
Air flow (Cooling / Heating)	m ³ /h	2682	3720	4080	4800
Dimensions (H x W x D)	mm	600 x 792 x 300	1140 x 950 x 370	1140 x 950 x 370	1140 x 950 x 370
Weight	kg	44	79	89	89
Piping diameter (Liquid / Gas)	Inch mm	3/8 / 5/8 9.53 / 15.88	3/8 / 5/8 9.53 / 15.88	3/8 / 5/8 9.53 / 15.88	3/8 / 5/8 9.53 / 15.88
Minimum Piping Length	m	5	5	5	5
Maximum Piping Length / Height Difference	m	50 / 30	70 / 30	75 / 30	75 / 30
Current Quantity of Refrigerant	kg	1.9	3.2	3.2	3.2
Chargeless / Additional Refrigerant Charge	m / g/m	20 / 40	30 / 40	30 / 60	30 / 60
Recommended fuse size - 1Ph/3Ph	A	20/-	32/16	32/16	32/16
Starting current - 1Ph/3Ph	A	<10	<10	<10	<10
Running current (cooling / heating) 1Ph (3Ph)	A	9.4/8.3 (-/-)	11.2/10.1 (4.1/3.7)	15.5/15.1 (5.7/5.5)	18.1/19.0 (6.6/6.9)
Interconnecting Cables	No.	LNE + 2 core screened			
Working Range (cooling / heating)	°C	-5°C~-46(db)°C / -20(wb)°C~15(wb)°C			
Refrigerant / GWP		R410a / 1975	R410a / 1975	R410a / 1975	R410a / 1975
Compressor type		Scroll	Scroll	Rotary	Scroll

System price includes PC-ART wired remote controller.

(1) Nominal Cooling: Internal temperature 27°C db (19°C wb) - Ambient 35°C

(2) Nominal Heating: Internal temperature 20°C - Ambient 7°C db (6°C wb)

(3) UK Cooling: Internal Temperature 23°C db (16°C wb) - Ambient 30°C

(4) Data calculated in accordance to prEN14825 and the Commission Communication 2012/C 172/01

(5) Nominal load efficiency (Cooling 35°C/27°C, Heating 7°C/20°C)

(6) Sound pressure level is measured at 1.0m below the unit and 1.0m from the discharge louvre (Measured in an anechoic chamber)

(7) Sound pressure level is measured at 1.0m from the unit front surface and 1.5m from floor level (Measured in an anechoic chamber)

(8) Sound power level is the A-weighted sound power level [dB(A)] measured at standard rated conditions for the "cooling" mode operation in accordance to EN12102.