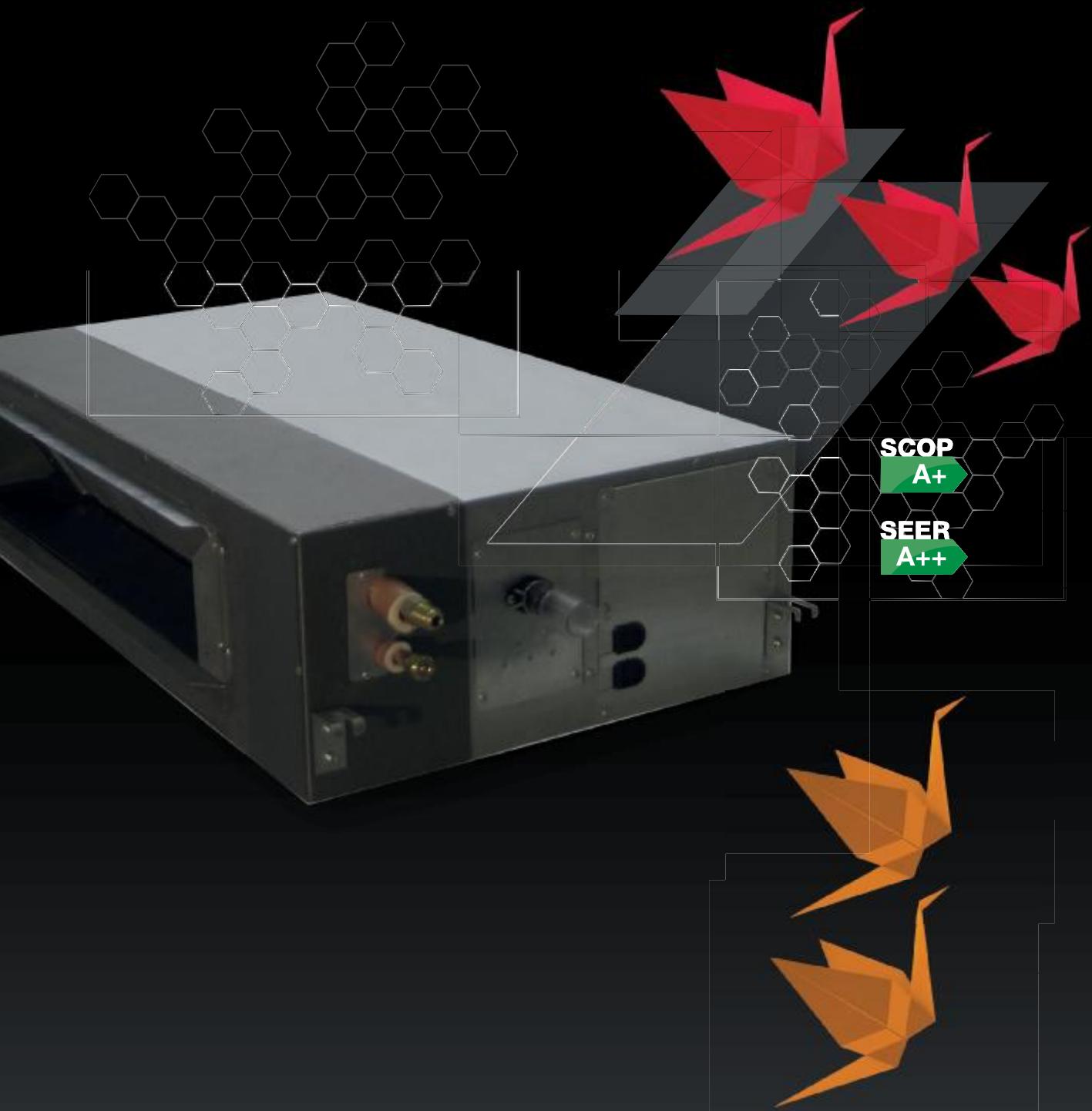


DUCTED IN THE CEILING



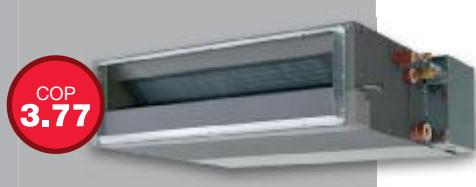
DUCTED IN THE CEILING

Hitachi's Ducted range can be positioned discreetly in the ceiling. The units are ideal for hotel bedrooms, banks and small offices where very low noise levels are needed.



MONOZONE Standard pressure

RAD 25 - 50 RPA _____ pages 56 and 57



MONOZONE High pressure

RAD 50 - 70 PPA _____ pages 56 and 57



UTOPIA ES

RPI 5 - 6 FSN4E / RPI 8 - 10 FSN3E _____ pages 58 and 59



UTOPIA IVX COMFORT

RPI 4 - 6 FSN4E / RPI 8 - 10 FSN3E _____ pages 60 and 61



UTOPIA IVX PREMIUM

RPI 2 - 6 FSN4E / RPI 8 - 10 FSN3E _____ pages 62 and 63



UTOPIA IVX CENTRIFUGAL

RPI 5 FSN4E / RPI 10 FSN3E _____ pages 64 and 65

DUCTED IN THE CEILING

DISCRETE, AESTHETIC AND SILENT SOLUTION



Features

- ✓ Simple installation
- ✓ All models are equipped with a condensate pump (excluding FSN3E), and low power switching motor
- ✓ Heating guaranteed with temperatures as low as -15 °C
- ✓ Remote control
 - Alarm code display
 - Static pressure selection
 - Operational data display



INTUITIVE PC ARF
REMOTE CONTROL



Design

- ✓ Unobtrusive design: only the vent grills and return air are visible.
- ✓ Multifunction intuitive design infra-red or wired remote control.

DUCTED IN THE CEILING

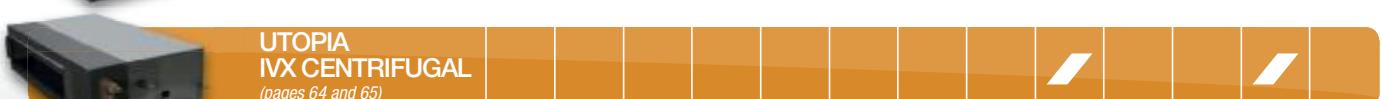


Installation

- In the attic or a false ceiling, the ducted heating system is unobtrusive: the air is circulated through very discreet grills.

Wide range

Nominal Cooling output (kW) | 2.5 | 3.5 | 5 | 5.6 | 6 | 7 | 7.10 | 10 | 12.5 | 14 | 20 | 23 | 25

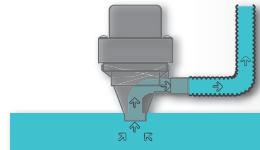


DUCTED IN THE CEILING MONOZONE

SCOP
A
SEER
A+



RAD 25-50RPA



BUILT-IN CONDENSATE PUMP

Indoor units

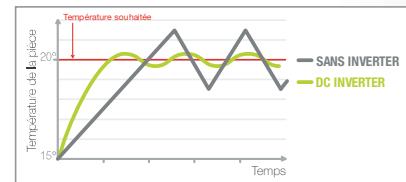
- Nominal cooling capacities 2.5kW to 7.1kW
- Nominal heating capacities 3.5kW to 8.0kW
- High seasonal performance: SCOP A 3.8 and SEER A 5.1
- Volt Free control of the air conditioning system - can be used to turn the unit on/off remotely after receiving a signal such as key-card, door or window switch, specifically useful in hotel rooms to prevent unnecessary use. Accessory SPX WDC2 is required
- Washable pre-filter as standard.

Remote controllers

- Infra-red remote control
- 2 different weekly schedules can be programmed (e.g. Summer/Winter) with 6 On/Off's per day
- New functions:
 - Ambient temperature display
 - Energy consumption display
 - Alarm code display

DC Inverter Outdoor unit

- As the pioneer of DC Inverter driven room air conditioners our units boast the significant advantage of all DC Inverter driven compressors and fans allowing precise control of capacity and temperature.



RAD 50-70PPA

* Standard
** Optional



DUCTED IN THE CEILING / MONOZONE



Room Air Conditioners

INDOOR UNITS

		RAD-25RPA	RAD-35RPA	RAD-50RPA	RAD-50PPA	RAD-60PPA	RAD-70PPA
Nominal Cooling Capacity (min - max)	kW	2.5 (0.9 - 3.0)	3.5 (0.9 - 4.0)	5.0 (0.9 - 5.6)	5.00 (0.90 - 6.00)	6.00 (0.90 - 7.00)	7.10 (0.90 - 8.00)
Cooling Sensible Capacity	kW	2.0	2.5	3.8	4.0	4.5	5.1
UK Cooling Capacity (sensible)	kW	2.3 (1.8)	3.2 (2.2)	4.1 (3.0)	4.6 (3.6)	5.5 (3.9)	6.5 (4.6)
Nominal Heating Capacity (min - max)	kW	3.5 (0.9 - 5.5)	4.8 (0.9 - 6.6)	6.0 (0.9 - 7.5)	6.00 (0.90 - 7.00)	7.30 (0.90 - 8.00)	8.00 (0.90 - 9.00)
Nominal Cooling Power Input (min - max)	kW	0.69 (0.15 - 1.05)	1.10 (0.15 - 1.28)	1.99 (0.15 - 2.20)	1.40 (0.20 - 2.10)	1.87 (0.20 - 2.50)	2.53 (0.20 - 2.92)
Nominal Heating Power Input (min - max)	kW	0.94 (0.15 - 1.40)	1.36 (0.11 - 1.92)	2.16 (0.15 - 2.70)	1.59 (0.20 - 2.20)	2.13 (0.20 - 2.60)	2.34 (0.20 - 3.10)
Seasonal Efficiency SEER ⁽⁴⁾		5.7	5.8	5.2	5.1	4.8	4.8
Energy Efficiency Class		A+	A+	A	A	A	B
Seasonal Efficiency SCOP ⁽⁴⁾ (Average Climate)		3.8	3.8	3.8	3.8	3.8	3.8
Energy Efficiency Class		A	A	A	A	B	B
Nominal Load Efficiency EER / COP ⁽⁵⁾		3.60 / 3.72	3.18 / 3.53	2.51 / 3.01	3.57 / 3.77	3.21 / 3.43	2.81 / 3.42
Energy Class (Cool/Heat)		A / A	B / B	E / D	A / A	A / B	A / B
Noise level cooling (sound pressure) (SL / L / M / H) ⁽²⁾	dB(A)	29/31/34/36	29/31/34/36	29/32/35/38	28/30/32/34	28/30/32/34	28/30/32/35
Noise level heating (sound pressure) (SL / L / M / H) ⁽²⁾	dB(A)	27/30/33/37	27/30/33/37	29/32/35/38	29/31/33/35	29/31/33/35	29/31/33/36
Noise level (sound power) ⁽¹⁾	dB(A)	57	57	58	60	60	61
Air flow cooling mode (SL / L / M / H)	m³/h	330/390/450/510	330/390/450/510	330/360/450/510	618/660/780/900	618/660/780/900	618/660/780/960
Air flow heating mode (SL / L / M / H)	m³/h	360/420/480/600	360/420/480/600	360/420/480/630	618/660/780/900	618/660/780/900	618/660/780/960
Static pressure (SL / L / M / H) (nominal conditions SP 00)	Pa	- / - / - / 35	- / - / - / 40	- / - / - / 40	- / 30 / 50 / 80	- / 30 / 50 / 80	- / 30 / 50 / 80
Dehumidification	l/h	1.4	1.6	2.8	2.8	2.8	5.2
Dimensions (H x W x D)	mm	235x750x400	235x750x400	235x750x400	270 x 900 x 720	270 x 900 x 720	270 x 900 x 720
Weight	kg	16.0	16.0	16.0	35.0	35.0	35.0
Included drain pump		yes	yes	yes	yes	yes	yes
Power supply		35 V DC from outdoor unit			35V DC & 230V , 1Ph , 50Hz		
Drain diameter (ext)		φ16mm	φ16mm	φ16mm	φ16mm	φ16mm	φ16mm
Remote Control (Optional)	Wired	SPX-RCDA	SPX-RCDA	SPX-RCDA	SPX-RCDA	SPX-RCDA	SPX-RCDA
	Infra Red	SPX-RCKA	SPX-RCKA	SPX-RCKA	SPX-RCKA	SPX-RCKA	SPX-RCKA

OUTDOOR UNITS

		RAC-25NPA	RAC-35NPA	RAC-50NPA	RAC-50DPA	RAC-60DPA	RAC-70DPA
Noise level cooling (sound pressure) (night mode) ⁽³⁾	dB(A)	46	47	50	47	48	53
Noise level heating (sound pressure) (night mode) ⁽³⁾	dB(A)	46	49	52	50	51	55
Noise level (sound power) ⁽¹⁾	dB(A)	65	65	65	65	65	67
Air flow (Cooling / Heating)	m³/h	1620 / 1620	1620 / 1620	2160 / 2160	2700 / 2700	2700 / 2700	2820 / 2820
Dimensions (H x W x D)	mm	570 x 750 x 280	570 x 750 x 280	650 x 850 x 298	800 x 850 x 298	800 x 850 x 298	800 x 850 x 298
Weight	kg	38.0	38.0	45.0	51.5	55.0	55.0
Piping diameter (Liquid / Gas)	Inch mm	1/4 - 3/8 6.35 - 9.52	1/4 - 3/8 6.35 - 9.52	1/4 / 1/2 6.35 - 12.70	1/4 - 3/8 6.35 - 9.52	1/4 - 3/8 6.35 - 9.52	1/4 / 5/8 6.35 - 15.88
Minimum Piping Length	m	5.0	5.0	5.0	5.0	5.0	5.0
Maximum Piping Length / Height Difference	m	20 / 10	20 / 10	20 / 10	20 / 20	20 / 20	20 / 20
Current Quantity of Refrigerant	kg	1.15	1.15	1.40	1.80	1.80	1.80
Chargeless / Additional Refrigerant Charge	m / g/m	20 / -	20 / -	20 / -	30 / -	30 / -	30 / -
Power supply		AC 220-240V/1ph/50Hz	AC 220-240V/1ph/50Hz	AC 220-240V/1ph/50Hz	AC 220-240V/1ph/50Hz	AC 220-240V/1ph/50Hz	AC 220-240V/1ph/50Hz
Recommended fuse size	A	16	16	16	30	30	30
Starting current	A	4.2	4.2	10.0	10.0	10.0	10.0
Running current (cooling / heating)	A	3.20-2.93 / 4.30-3.96	5.69-5.22 / 7.81-7.15	9.1-8.37 / 9.87-9.05	6.40-5.90/7.30-6.70	8.55-7.90/9.75-9.00	11.60-10.70/10.70-9.80
Interconnecting Cables	No.	2 (screened) + E	2 (screened) + E	2 (screened) + E	2 (screened) + 2 + E	2 (screened) + 2 + E	2 (screened) + 2 + E
Working Range (cooling / heating)	°C	-10°C~43°C / -15°C~21°C					
Refrigerant / GWP		R410A / 1975					
Compressor type		Twin Rotary					

(1) 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

(2) Sound pressure level is measured at 0.8m beneath unit and 1m from discharge in anechoic chamber

(3) Sound pressure level is measured at 1.0m from front face of unit, 1.5m above the ground in anechoic chamber

(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)

DUCTED IN THE CEILING UTOPIA ES

SCOP
A
SEER
B



RPI 3-6FSN4E



RPI 8-10FSN3E



PC ARF



PC ART



RAS 3HVRNS3



RAS 4-6H(V)RNS3E



RAS 8-10HRNSE

Indoor units

- Nominal cooling capacities 7.1kW to 25.0kW
- Nominal heating capacities 8.0kW to 28.0kW
- Ultra low power consumption
- Ultra Quiet - from 29 dB(A)
- 4 speed, 3 static pressure levels, including zero pressure setting
- Possible to supply fresh air: Econofresh see pages 188-189

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 238-239.



RPI 5-6FSN4E



SYSTEM
FREE



DUCTED IN THE CEILING / UTOPIA ES



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	7.4 (6.0)	10.3 (7.9)	12.7 (9.1)	15.2 (10.5)	20.1 (15.5)	24.9 (17.9)
Seasonal Efficiency SEER ⁽⁴⁾		4.62 B	4.62 B	na *	na *	na *	na *
Energy Efficiency Class		A	A	na *	na *	na *	na *
Seasonal Efficiency SCOP ⁽⁴⁾ (Average Climate)		3.81	3.83	na	na	na	na
Energy Efficiency Class		C / B	B / A	C / C	D / C	E / D	E / D
Nominal Load Efficiency EER / COP ⁽⁵⁾		2.81 / 3.58	3.4 / 3.65	2.93 / 3.33	2.75 / 3.23	2.5 / 3.07	2.41 / 3.03
Energy Class (Cool/Heat)							
Noise Level (sound pressure) (L / M / H) ⁽⁶⁾ (SP-00)	dB(A)	29/31/31	25/28/30	28/32/35	29/33/36	51/54/54	25/55/55
Noise level (sound power) ⁽⁶⁾ (SP-00)	dB(A)	57	62	65	66	77	78
Air flow cooling mode (L / M / H)	m³/h	1020/1200/1320	1500/1680/1800	1680/1920/2100	1740/1980/2160	3570 / 3960 / 3960	4056 / 4500 / 4500
Static Pressure Nom. (min ~ max)	Pa	30 (0 - 150)	45 (0 - 110)	50 (0 - 140)	50 (0 - 150)	180 - 220	180 - 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	85.000	87.000
Included Condensate Pump		yes	yes	yes	yes	no	no
Condensate Pump Lift		850 mm from the bottom edge of the unit				-	-
Drain Diameter (ext)		φ32mm	φ32mm	φ32mm	φ32mm	φ25mm	φ25mm
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	110	160	200	220	970	1060
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 3HVRNS3	RAS 4H(V)RNS3E	RAS 5H(V)RNS2E	RAS 6H(V)RNS2E	RAS 8HRNSE	RAS 10HRNSE
Power supply (10/30)		230V / 1Ph / 50Hz	(230V / 1Ph / 50Hz) - 400V / 3Ph / 50Hz			400V / 3Ph / 50Hz	
Noise level cooling (sound pressure) (night mode) ⁽⁷⁾	dB(A)	48 (46)	50 (48)	52 (50)	55 (53)	53 (51)	60 (56)
Noise level heating (sound pressure) ⁽⁷⁾	dB(A)	50	52	54	57	55	62
Noise level (sound power) ⁽⁶⁾	dB(A)	66	70	71	72	71	78
Air flow (Cooling / Heating)	m³/h	2682	3720	4080	4800	7620	8760
Dimensions (H x W x D)	mm	600x792x300	800x950x370	800x950x370	800x950x370	1380x950x370	1380x950x370
Weight	kg	44	67	83	83	135	141
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	50 / 30	50 / 30	50 / 30	50 / 30
Current Quantity of Refrigerant	kg	1.90	2.90	2.9	2.9	6.0	6.2
Chargeless / Additional Refrigerant Charge	m / g/m	30 / 50	30 / 70	30 / 60	30 / 60	30 / Calculate	30 / Calculate
Recommended fuse size	A	25	32/16	32/16	32/16	-/25	-/25
Starting current (10/30)	A	<10	<10	<10	<10	<10	<10
Running current (cooling / heating) (10/30)	A	10.0 / 8.8 (-/-)	4.1 / 4.1 (11.3 / 11.3)	6.5 / 6.6 (18.4 / 18.5)	8.7 / 8.4 (24.6 / 23.8)	-/- (10.8 / 10.7)	-/- (11.2 / 11.3)
Interconnecting Cables	No.	LNE + 2 core screened					
Working Range (cooling / heating)	°C	-5°C~43(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	Rotary	Rotary	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

DUCTED IN THE CEILING UTOPIA IVX COMFORT

SCOP
A+ 
SEER
A+ 



RPI 3-6FSN4E



RPI 8-10FSN3E

Indoor units

- ✓ Possible to supply fresh air: Econofresh see pages 188-189
- ✓ Low consumption motor
- ✓ 4 speed, 3 static pressure levels, including zero pressure for blowing onto the grill.



PC ARF



PC ART



RAS 3HVNC1



RAS 4-5-6H(V)NC1E



RAS 8-10HNCE

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 238-239.



RPI 3-6FSN4E

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



INDOOR UNITS

		RPI 3.OFSN4E	RPI 4.OFSN4E	RPI 5.OFSN4E	RPI 6.OFSN4E	RPI 8.OFSN3E	RPI 10.OFSN3E
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⁾		5.35	5.84	-	-	-	-
Energy Efficiency Class		A	A+	-	-	-	-
Seasonal Efficiency SCOP ⁽⁴⁾ (Average Climate)		3.91	4.31	-	-	-	-
Energy Efficiency Class		A	A+	-	-	-	-
Nominal Load Efficiency EER / COP ⁽⁵⁾		2.81 / 3.58	3.10 / 4.03	3.30 / 3.61	3.18 / 3.42	2.84 / 3.07	2.73 / 3.04
Energy Class (Cool/Heat)		B / B	A / A	A / A	B / B	C / D	D / D
Noise Level (sound pressure) (L / M / H) ⁽⁶⁾ (SP-00)	dB(A)	29/31/31	25/28/30	28/32/35	29/33/36	51/54/54	25/55/55
Noise level (sound power) ⁽⁶⁾ (SP-00)	dB(A)	57	62	65	66	77	78
Air flow cooling mode (L / M / H)	m³/h	1020/1200/1320	1500/1680/1800	1680/1920/2100	1740/1980/2160	3570 / 3960 / 3960	4056 / 4500 / 4500
Static Pressure Nom. (min ~ max)	Pa	30 (0 - 150)	45 (0 - 110)	50 (0 - 140)	50 (0 - 150)	180 - 220	180 - 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	85.000	87.000
Included Condensate Pump		yes	yes	yes	yes	no	no
Condensate Pump Lift				850 mm from the bottom edge of the unit			
Drain Diameter (ext)		φ32mm	φ32mm	φ32mm	φ32mm	φ25mm	φ25mm
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 (10/30)		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)	m³/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	133	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	5.3	6.0
Chargeless / Additional Refrigerant Charge	m / g/m	20 / 40	30 / 40	30 / 60	30 / 60	30 / Calculate	30 / Calculate
Recommended fuse size	A	20/-	32/16	32/16	32/16	-/32	-/32
Starting current (10/30)	A	<10	<10	<10	<10	<10	<10
Running current (cooling / heating) (10/30)	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

(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

DUCTED IN THE CEILING UTOPIA IVX PREMIUM

SCOP
A+

SEER
A++



RPI 2-6FSN4E



RPI 8-10FSN3E

Indoor units

- ✓ Nominal cooling capacities 5.0kW to 25.0kW
- ✓ Nominal heating capacities 5.6kW to 28.0kW
- ✓ Possible to supply fresh air: Econofresh see pages 188-189
- ✓ Mounting of Utopia IVX Premium - see pages 136-139
- ✓ Low consumption motor
- ✓ 4 speed, 3 static pressure levels, including zero pressure setting
- ✓ Easily accessible filters.



PC ARF



PC ART



RAS 2-2.5HVNP1



RAS 3HVNP1E



RAS 4-10H(V)NP1E

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 238-239.



RPI 2-6FSN4E

Outdoor units

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



UTOPIA IVX PREMIUM



INDOOR UNITS

		RPI 2.0FSN4E	RPI 2.5FSN4E	RPI 3.0FSN4E	RPI 4.0FSN4E	RPI 5.0FSN4E	RPI 6.0FSN4E	RPI 8.0FSN4E	RPI 10.0FSN4E
Nominal Cooling Capacity (min - max) ⁽¹⁾	kW	5.0 (2.2 - 5.6)	5.6 (2.2 - 6.3)	7.1 (3.2 - 8.0)	10 (4.5 - 11.2)	12.5 (5.7 - 14.0)	14.0 (6.0 - 16.0)	20.0 (8.0 - 22.4)	25.0 (10.0 - 28.0)
Nominal Heating Capacity (min - max) ⁽²⁾	kW	5.6 (2.2 - 7.1)	6.3 (2.2 - 8.0)	8.0 (3.5 - 10.6)	11.2 (5.0 - 14.0)	14.0 (5.0 - 16.0)	16.0 (5.0 - 18.0)	22.4 (6.3 - 28.0)	28.0 (8.0 - 35.0)
UK Cooling Capacity (sensible) ⁽³⁾	kW	5.3 (4.7)	5.9 (5.1)	7.7 (6.2)	10.6 (8.2)	13.2 (9.5)	15.7 (10.8)	21.1 (16.2)	26.1 (18.8)
Seasonal Efficiency SEER ⁽⁴⁾		5.83	5.60	6.54	7.21	-	-	-	-
Energy Efficiency Class		A+	A+	A++	A++	-	-	-	-
Seasonal Efficiency SCOP ⁽⁵⁾ (Average Climate)		4.01	4.41	4.04	4.47	-	-	-	-
Energy Efficiency Class		A+	A+	A++	A+	-	-	-	-
Nominal Load Efficiency EER / COP ⁽⁶⁾		3.54 / 3.84	3.49 / 3.81	3.61 / 3.95	4.16 / 4.23	3.55 / 4.01	3.16 / 3.7	3.05 / 3.25	2.93 / 3.22
Energy Class (Cool/Heat)		A / A	A / A	A / A	A / A	A / A	B / A	B / C	C / C
Noise Level (sound pressure) (L / M / H) ⁽⁷⁾ (SP-00)	dB(A)	27 / 29 / 29	28 / 30 / 30	29/31/31	25/28/30	28/32/35	29/33/36	51/54/54	25/55/55
Noise level (sound power) ⁽⁸⁾ (SP-00)	dB(A)	55	56	57	62	65	66	77	78
Air flow cooling mode (L / M / H)	m³/h	780/900/960	900/1020/1140	1020/1200/1320	1500/1680/1800	1680/1920/2100	1740/1980/2160	3570/3960/3960	4056/4500/4500
Static Pressure Nom. (min ~ max)	Pa	30 (0~120)	30 (0~140)	30 (0 - 150)	45 (0 - 110)	50 (0 - 140)	50 (0 - 150)	180 - 220	180 - 220
Dimensions (H x W x D)	mm	275 x 1084 x 600	275x1084x600	275 x 1084 x 600	275 x 1474 x 600	275 x 1474 x 600	275 x 1474 x 600	423 x 1592 x 600	423 x 1592 x 600
Weight	kg	35	36			48		85	87
Included Condensate Pump				yes				no	
Condensate Pump Lift				850 mm from the bottom edge of the unit				-	-
Drain Diameter (ext)		φ32mm	φ32mm	φ32mm	φ32mm	φ32mm	φ32mm	φ25mm	φ25mm
Piping Diameter (Liquid / Gas)	Inch mm	1/4 / 5/8 6.35 / 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 / 5/8 9.53 / 15.88	3/8 / 3/4 9.53 / 19.05	3/8 / 7/8 9.53 / 22.2
Power Input	w	60	150			250		1065	
Power supply					230V / 1Ph / 50Hz				
Recommended fuse size	A			5				10	
Remote Controller				PC ART (PC-ARF, infra-red and simplified model optional)					

OUTDOOR UNITS

		RAS 2HVNP1	RAS 2.5HVNP1	RAS 3HVNP1	RAS 4H(V)NP1E	RAS 5H(V)NP1E	RAS 6H(V)NP1E	RAS 8HNPE	RAS 10HNPE
Power supply (10/30)		230V / 1Ph / 50Hz			(230V / 1Ph / 50Hz) 400V / 3Ph / 50Hz		230V / 1Ph / 50Hz	400V / 3Ph / 50Hz	
Noise level heating (sound pressure) ⁽⁷⁾	dB(A)	46	47	48	49	50	57	59	60
Noise level (sound power) ⁽⁸⁾	dB(A)	62	63	63	63	64	65	76	76
Air flow (Cooling / Heating)	m³/h	2436	2436	2700	4800	5400	6000	7620	8040
Dimensions (H x W x D)	mm	600 x 792 x 300	600 x 792 x 300	800 x 950 x 370	1380 x 950 x 370	1380 x 950 x 370	1380 x 950 x 370	1380 x 950 x 370	1380 x 950 x 370
Weight	kg	41	41	66	103	103	103	136	138
Piping diameter (Liquid / Gas)	Inch mm	1/4 / 1/2 6.35 / 12.7	1/4 / 1/2 6.35 / 12.7	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	5	5
Maximum Piping Length / Height Difference	m	50 / 30	50 / 30	50 / 30	75 / 30	75 / 30	75 / 30	100 / 30	100 / 30
Current Quantity of Refrigerant	kg	1.6	1.6	2.3	4.1	4.2	4.2	5.7	6.2
Chargeless / Additional Refrigerant Charge	m / g/m	30 / 30	30 / 30	30 / 40	30 / 60	30 / 60	30 / 60	30 / Calculate	30 / Calculate
Recommended fuse size	A	16/-	20/-	20/-	32/16	32/16	32/16	/32	/32
Starting current (10/30)	A	<10	<10	<10	<10	<10	<10	<10	<10
Running current (cooling / heating) (10/30)	A	5.1/4.9 (-)	5.4/5.7 (-)	6.4/6.7 (-)	8.7/8.9 (3.2/3.2)	13.7/12.8 (5.0/4.7)	17.3/15.9 (6.3/5.8)	8.6/8.1	12.6/11.3
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	R410a / 1975	R410a / 1975
Compressor type		Scroll	Scroll	Rotary	Scroll	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

DUCTED IN THE CEILING UTOPIA IVX CENTRIFUGAL



RPI 5FSN4E



RPI 10FSN3E

Indoor units

- ✓ Nominal cooling capacities 12.5kW to 23.0kW
- ✓ Nominal heating capacities 14.0kW to 25.0kW
- ✓ RPI 5FSN3E Possible to supply fresh air: Econofresh see pages 188-189
- ✓ Mounting of Utopia IVX Centrifugal - see pages 136-139
- ✓ Low consumption motor
- ✓ 4 speed, 3 static pressure levels, including zero pressure setting
- ✓ Easily accessible filters.



PC ARF



PC ART



RASC 5-10H(V)RNM1E

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 238-239.



RPI 5FSN4E

SYSTEM
FREE



INDOOR UNITS

		RPI 5.0FSN4E	RPI 10.0FSN3E
Nominal Cooling Capacity (min - max) ⁽¹⁾	kW	12.50 (5.70 - 14.00)	23.00 (10.30 - 25.00)
Nominal Heating Capacity (min - max) ⁽²⁾	kW	14.00 (5.00 - 16.00)	25.00 (9.40 - 26.00)
UK Cooling Capacity (sensible) ⁽³⁾	kW	12.6 (9.3)	22.7 (16.3)
Nominal Load Efficiency EER / COP ⁽⁴⁾		2.61 / 2.97 D / D	2.5 / 2.75 E / E
Energy Class (Cool/Heat)			
Noise Level (sound pressure) (L / M / H) ⁽⁵⁾ (SP-00)	dB(A)	28/32/35	25/55/55
Noise level (sound power) ⁽⁶⁾ (SP-00)	dB(A)	65	78
Air flow cooling mode (L / M / H)	m³/h	1680 / 1920 / 2100	4056 / 4500 / 4500
Static Pressure Nom. (min - max)	Pa	50 (0 - 140)	180 - 220
Dimensions (H x W x D)	mm	275 x 1474 x 600	423 x 1592 x 600
Weight	kg	48	87
Included Condensate Pump		yes	no
Condensate Pump Lift		850 mm from the bottom edge of the unit	-
Drain Diameter (ext)		φ32mm	φ25mm
Piping Diameter (Liquid / Gas)	Inch mm	3/8 / 5/8 9.53 / 15.88	3/8 / 7/8 9.53 / 22.2
Power Input	W	250	1065
Power supply			230V / 1Ph / 50Hz
Recommended fuse size	A	5	10
Remote Controller			PC ART (PC-ARF, infra-red and simplified model optional)

OUTDOOR UNITS

		RASC 5HVRNM1E	RASC 10HVRNM1E
Power supply		230V / 1Ph / 50Hz	400V / 3Ph / 50Hz
Noise level cooling (sound pressure) (night mode) ⁽⁵⁾	dB(A)	55 (51)	56 (52)
Noise level heating (sound pressure) ⁽⁵⁾	dB(A)	56	57
Noise level (sound power) ⁽⁶⁾	dB(A)	71	75
Air flow (Cooling / Heating)	m³/h	3900	6300
Dimensions (H x W x D)	mm	430 x 1250 x 1300	640 x 1850 x 985
Weight	kg	176	269
Piping diameter (Liquid / Gas)	Inch mm	3/8 / 5/8 9.53 / 15.88	1/2 / 1 1/8 12.7 / 28.61
Minimum Piping Length	m	5	5
Maximum Piping Length / Height Difference	m	70 / 30	50 / 30
Current Quantity of Refrigerant	kg	3.1	5.0
Chargeless / Additional Refrigerant Charge	m / g/m	30 / Calculate	30 / Calculate
Drain Diameter (ext)		φ25mm	φ32mm
Recommended fuse size	A	32	32
Starting current (10/30)	A	<10	<10
Running current (cooling / heating) (10/30)	A	22.0/21.6	13.0/13.1
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

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

(5) Sound pressure level is measured at 1.5m below the unit (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