

Cassettes

HIGH EFFICIENCY UTOPIA IVX PREMIUM



SYSTEM
FREE



RCI 3-6FSN4



'SILKY FLOW' LOUVRES

Indoor units

- /// Nominal cooling capacities 5.0kW to 14.0kW
- /// Nominal heating capacities 5.6kW 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.



PC ARFPE

Remote controllers

- /// Advanced PC-ARFPE 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*
 - Individual Louvre control (High Efficiency cassette only)
- /// Alternative option: infra-red or simplified remote control



RAS 2-2.5HVNP1



RAS 3HVNP1E



RAS 4-6H(V)NP1E

Outdoor units

- /// New DC inverter compressor for improved low-speed and part-load seasonal performance
- /// SCOP of up to 4.77 A++ rating and SEER of up to 7.88 A++ rating
- /// Adjust temperature settings according to occupancy and external environmental conditions to save on energy
- /// All IVX Premium models are ErP compliant, exceeding the 2014 ErP Lot 10 standards.



RCI 2-6FSN4

UTOPIA IVX PREMIUM

High Efficiency 4-Way Cassette



INDOOR UNITS

		RCI 2.0FSN4	RCI 2.5FSN4	RCI 3.0FSN4	RCI 4.0FSN4	RCI 5.0FSN4	RCI 6.0FSN4
Nominal Cooling Capacity (min - max) ⁽¹⁾	kW	5.00 (2.20 - 5.60)	5.60 (2.20 - 6.30)	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	5.60 (2.20 - 7.10)	6.30 (2.20 - 8.00)	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	5.3 (4.1)	5.9 (4.3)	7.7 (6.1)	10.6 (8.3)	13.2 (9.8)	15.7 (11.5)
Seasonal Efficiency SEER ⁽⁴⁾		6.49	6.05	7.42	7.88	-	-
Energy Efficiency Class		A++	A+	A++	A++	-	-
Seasonal Efficiency SCOP ⁽⁴⁾ (Average Climate)		4.67	4.77	4.37	4.68	-	-
Energy Efficiency Class		A++	A++	A+	A++	-	-
Nominal Load Efficiency EER / COP ⁽⁵⁾		4.03 / 4.68	4.18 / 4.92	4.49 / 4.88	4.68 / 5.16	3.81 / 4.55	3.41 / 4.23
Energy Class (Cool/Heat)		A / A	A / A	A / A	A / A	A / A	A / A
Noise Level (sound pressure) (L/M/H/H2) ⁽⁶⁾	dB(A)	27/30/32/37	28/32/36/42	28/32/36/42	33/39/43/48	35/40/45/48	37/41/46/48
Noise level (sound power) ⁽⁶⁾	dB(A)	55	56	57	64	64	65
Air flow cooling mode (L/M/H/H2)	m³/h	660/840/1020/1320	840/1080/1380/1620	840/1080/1380/1620	1200/1440/1860/2220	1260/1560/1980/2220	1320/1680/2100/2220
Dimensions (H x W x D)	mm	248 x 840 x 840	248 x 840 x 840	298 x 840 x 840	298 x 840 x 840	298 x 840 x 840	298 x 840 x 840
Weight	kg	21	22	26	26	26	26
Fascia Panel		P-N23NA2					
Optional Motion Sensor Kit		PS-MSK2					
Fascia Panel Dimensions	mm	40 x 950 x 950	40 x 950 x 950	40 x 950 x 950	40 x 950 x 950	40 x 950 x 950	40 x 950 x 950
Fascia Panel Weight	kg	6.5	6.5	6.5	6.5	6.5	6.5
Included Condensate Pump		yes	yes	yes	yes	yes	yes
Condensate Pump Lift		850 mm from the bottom edge of the unit					
Drain Diameter (ext)		ø32mm	ø32mm	ø32mm	ø32mm	ø32mm	ø32mm
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
Power Input	w	57	57	57	127	127	127
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	5	5
Remote Controller		PC ARFPE (infra-red and simplified model optional)					

* Four fan speeds only available with PC-ARFPE wired controller

OUTDOOR UNITS

		RAS 2HVN1	RAS 2.5HVN1	RAS 3HVN1	RAS 4H(V)NP1E	RAS 5H(V)NP1E	RAS 6H(V)NP1E
Power supply		230V / 1Ph / 50Hz	230V / 1Ph / 50Hz	230V / 1Ph / 50Hz	(230V / 1Ph / 50Hz) - 400V / 3Ph / 50Hz		
Noise level cooling (sound pressure) (night mode) ⁽⁷⁾	dB(A)	44 (42)	45 (43)	46 (42)	47 (43)	48 (44)	48 (45)
Noise level heating (sound pressure) ⁽⁷⁾	dB(A)	46	47	48	49	50	50
Noise level (sound power) ⁽⁸⁾	dB(A)	62	63	63	63	64	65
Air flow (Cooling / Heating)	m³/h	2436	2436	2700	4800	5400	6000
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
Weight	kg	43	43	66	103	103	103
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
Minimum Piping Length	m	5	5	5	5	5	5
Maximum Piping Length / Height Difference	m	50 / 30	50 / 30	50 / 30	75 / 30	75 / 30	75 / 30
Current Quantity of Refrigerant	kg	1.6	1.6	2.3	4.1	4.2	4.2
Chargeless / Additional Refrigerant Charge	m / g/m	30 / 30	30 / 30	30 / 40	30 / 60	30 / 60	30 / 60
Recommended fuse size - 1Ph/3Ph	A	16/-	20/-	20/-	32/16	32/16	32/16
Starting current - 1Ph/3Ph	A	<10	<10	<10	<10	<10	<10
Running current (cooling / heating) 1Ph (3Ph)	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)
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	Rotary	Scroll	Scroll	Scroll
System Price - (1Ph) (P-N23NA2)	(£)	2,221	2,429	3,070	3,845	4,091	4,641
System Price - (3Ph) (P-N23NA2)	(£)	-	-	-	4,037	4,196	4,814

System price includes PC-ARFPE 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.