

# Ducted in the Ceiling

## UTOPIA IVX COMFORT



RPI 3-6FSN4E



RPI 8-10FSN3E

### Indoor units

- /// Possible to supply fresh air: Econofresh see pages 160-161
- /// Low consumption motor
- /// 4 speed, 3 static pressure levels, including zero pressure for blowing onto the grill.



PC ARFPE

### Remote controllers

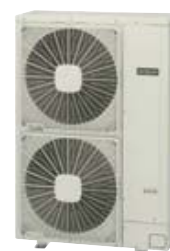
- /// Advanced PC-ARFPE wired LED controller (inc. 7-day time clock)
  - 5 time ranges with different temperatures (reduced, weekly, holiday etc)
  - Service menu and optional function menus, *add your contact details to be shown when there is an error*
- /// Alternative option: infra-red or simplified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



RAS 3HVNC1



RAS 4-5-6H(V)NC1E



RAS 8-10HNCE

### 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 3.0FSN5E	RPI 4.0FSN5E	RPI 5.0FSN5E	RPI 6.0FSN5E	RPI 8.0FSN3E	RPI 10.0FSN3E
Nominal Cooling Capacity (min - max) <sup>(1)</sup>	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) <sup>(2)</sup>	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) <sup>(3)</sup>	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 <sup>(4)</sup>		4.97	5.38	-	-	-	-
Energy Efficiency Class		B	A	-	-	-	-
Seasonal Efficiency SCOP <sup>(4)</sup> (Average Climate)		3.80	4.01	-	-	-	-
Energy Efficiency Class		A	A+	-	-	-	-
Nominal Load Efficiency EER / COP <sup>(5)</sup>		2.81 / 3.54	3.23 / 4.03	3.18 / 3.54	3.08 / 3.37	2.84 / 3.07	2.73 / 3.04
Energy Class (Cool/Heat)		C / B	A/A	B / B	B / C	C / D	D / D
Noise Level (sound pressure) (L / M / H) <sup>(6)</sup> (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) <sup>(7)</sup> (SP-00)	dB(A)	57	62	65	66	77	78
Air flow cooling mode (L / M / H)	m <sup>3</sup> /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)		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 / 3/4 9.53 / 19.05	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 ARFPE (infra-red and simplified model optional)					

### OUTDOOR UNITS

		RAS 3HVC1	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) <sup>(7)</sup>	dB(A)	48 (46)	52 (50)	52 (50)	55 (53)	57 (55)	58 (56)
Noise level heating (sound pressure) <sup>(7)</sup>	dB(A)	50	54	54	57	59	60
Noise level (sound power) <sup>(8)</sup>	dB(A)	66	68	68	71	76	76
Air flow (Cooling / Heating)	m <sup>3</sup> /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 (1Ph)	(£)	2,180	3,027	3,552	3,783	-	-
System Price (3Ph)	(£)	-	3,027	3,552	3,787	5,158	5,364

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