

No outside space, no planning worries



Install Utopia Centrifugal indoors
with field-supplied ductwork –
perfect where external installation
space is limited or planning
restrictions apply



IVX CENTRIFUGAL

CLASSIFIED AND PROTECTED SITES:
UP TO 4 INDOOR UNITS



COP
3.15

NEW
!

Features

NO OUTDOOR SPACE REQUIRED

Installed indoors with field-supplied ductwork – ideal where external installation space is limited or planning restrictions apply

UP TO 4 INDOOR UNITS

Improved connectivity - (see page 162).

INDEPENDENT CONTROL

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

EASY UNIT INTEGRATION

43 cm high, 125 cm wide.

DUCTED UNITS

Pressure up to 130 Pa.

*UTOPIA IVX
CENTRIFUGAL*

Design

SYSTEM FREE Compatible with all Hitachi indoor units.

SYSTEM FREE INDOOR UNITS



DUCTED



CEILING SUSPENDED

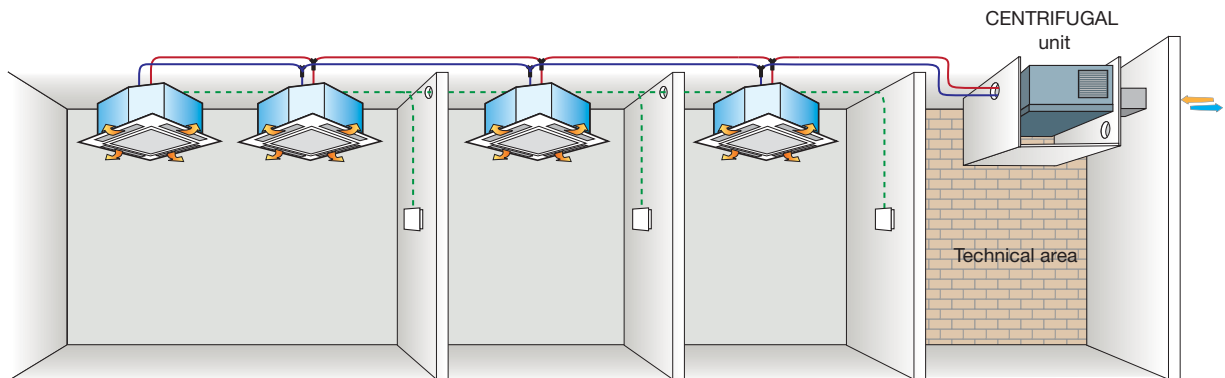


CASSETTE

Utopia IVX Centrifugal



Installation



Range

	HP	5	10
 <p>NEW 1</p> <p>IVX CENTRIFUGAL (pages 161 to 164)</p>		1	3

- 1: 1 phase
- 3: 3 phase

Multi-Combinations

Model	Combination Ratio	Minimum Combination Capacity (HP)	Maximum Combination Capacity (HP)	Maximum Number of Indoor Units	Minimum Indoor Unit Capacity
RASC 4 HNPE	75-120% (*)	3.0	4.8 (*)	5 (*)	0.8 (**)
RASC 5 HNPE	75-120% (*)	3.75	6.0 (*)	5 (*)	0.8 (**)
RASC 6 HNPE	75-120% (*)	4.5	7.2 (*)	5 (*)	0.8 (**)
RASC 8 HNPE	75-120% (*)	6.0	9.6 (*)	6 (*)	0.8 (**)
RASC 10HNPE	75-120% (*)	7.5	12.0 (*)	6 (*)	0.8 (**)

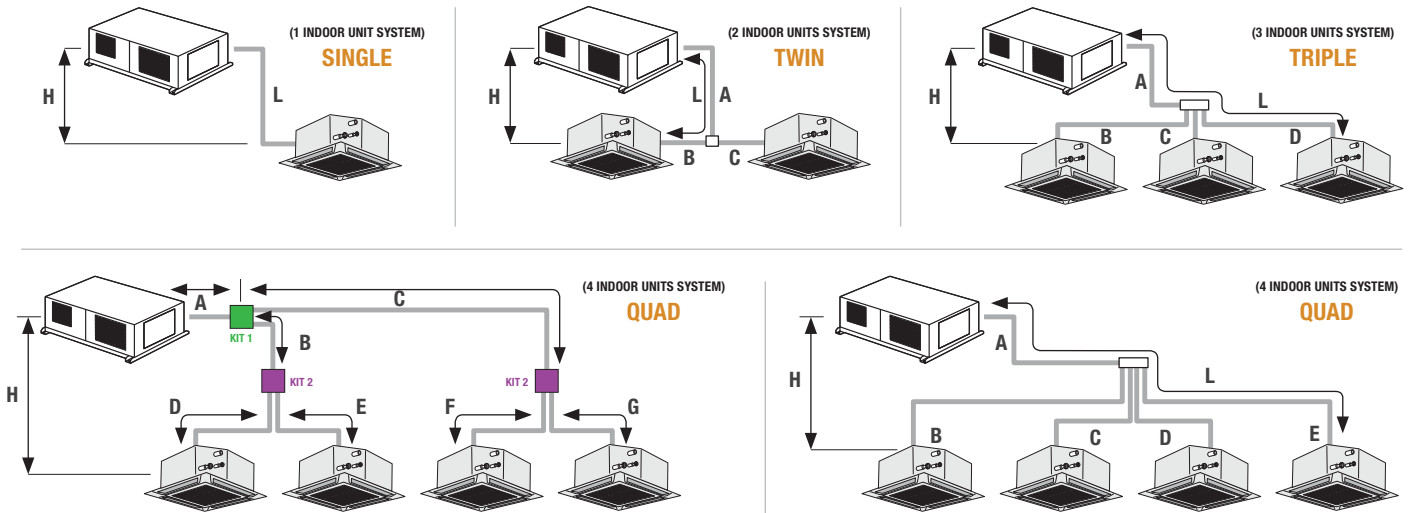
(*): If more than 4 indoor units are connected, the following adjustments must be taken into consideration:

Model	Combination Ratio	Minimum Combination Capacity (HP)
RASC 4 HNPE	75-100% (*)	4.0
RASC 5 HNPE	75-100% (*)	5.0
RASC 6 HNPE	75-100% (*)	6.0
RASC 8 HNPE	75-100% (*)	8.0
RASC 10HNPE	75-100% (*)	10.0

(**): If more than 4 indoor units are connected, it is recommended to optimise the balance of indoor units by following the instructions shown in the next table regarding the minimum and maximum capacity of indoor units to be installed.

	Minimum Indoor Unit Capacity (HP)											
Indoor unit with the highest capacity (HP)	0.8	1.0	1.3	1.5	1.8	2.0	2.3	2.5	3.0	4.0	5.0	6.0
Indoor unit with the lowest capacity (HP)	0.8		1.0			1.3		1.5		1.8		2.0

Header Pipe Installation



EXAMPLE 1 2 STAGE KIT: (1X KIT1) + (2X KIT 2)

EXAMPLE 2 BASIC KIT 4 OUTLETS - ONLY FOR 8/10HP

ITEM		4HP	5HP	6HP	8HP	10HP
Indoor unit with the highest capacity (HP)	Actual piping length (L)		75			100
	Equivalent piping length (EL)		95			125
Indoor unit with the highest capacity (HP)	2 indoor units (A + B + C)		85		100	115
	3 indoor units (A + B + C + D)		95		100	130
	4 indoor units	EXAMPLE 1 (A + B + C + D + E + F + G)	95		100	145
		EXAMPLE 2 (A + B + C + D + E)	-		100	145
Indoor unit with the highest capacity (HP)	2 indoor units (B, C)		10			15
	3 indoor units (B, C, D)		10			15
	4 indoor units	EXAMPLE 1 B + D, B + E, C + F, C + G	10			15
		EXAMPLE 2 B, C, D, E	-			15
Indoor unit with the highest capacity (HP)	RASC unit higher than indoor unit				30	
	Indoor unit higher than RASC unit				20	
Maximum height difference between indoor units				10		
Maximum height difference between multikits and between multikit and indoor unit				3		

Please refer to pipe kit prices on page 271

Pipe Size & Multikit / Distributor Selection

1 INDOOR UNIT SYSTEM (SINGLE)

GROUPS	Pipe Size L	
	GAS	LIQUID
RASC 4-6HNPE	5/8 "	3/8 "
RASC 8HNPE (*)	1 1/8 "	3/8 "
RASC 10HNPE (**)	1 1/8 "	1/2 "

(*) Indoor unit RPI-8.0HP supplied with one adapter: Gas pipe adapter: 3/4" to 1"

(**) Indoor unit RPI-10.0HP supplied with two adapters: Gas pipe adapter: 7/8" to 1" & Liquid pipe adapter: 3/8" to 1/2"

2 INDOOR UNITS SYSTEM (TWIN)

GROUPS	Pipe Size A		Multi Kit	
	GAS	LIQUID	TE Option	TW Option
RASC 4HNPE	5/8 "	3/8 "	TE-04N1	TW-52AN
RASC 5/6HNPE	5/8 "	3/8 "	TE-56N1	TW-52AN
RASC 8HNPE	1 1/8 "	3/8 " (*)	TE-08N (***)	TW-102AN (***)
RASC 10HNPE	1 1/8 "	1/2 "	TE-10N	TW-102AN

(*): If the pipe length exceeds 70m in 8.0HP, please use a 1/2" liquid pipe, with its respective multi-kit.

(**): In combinations with 8.0HP or 10.0HP indoor units, install a line branch system with multi-kit E-162SN3

(***): In combinations with indoor units of 2.0HP or less, use the multi-kits TE-56N1 or TW-52AN for the liquid refrigerant pipe.

Indoor unit capacity after branch	Pipe Size B,C	
0.8-1.5HP	1/2"	1/4"
1.8/2.0HP	5/8"	1/4"
2.3-6.0HP	5/8"	3/8"
8.0HP	3/4"	3/8"
10.0HP	7/8"	3/8"

3 INDOOR UNITS SYSTEM (TRIPLE)

GROUPS	Pipe Size A		Multi Kit	
	GAS	LIQUID	TE Option	TW Option
RASC 4-6HNPE	5/8 "	3/8 "	TRE-46N1	TG-53AN
RASC 8HNPE	1 1/8 "	3/8 " (*)	TRE-812N1	TG-103AN
RASC 10HNPE	1 1/8 "	1/2 "	TRE-812N1 (**)	TG-103AN (**)

(*): If pipe length (A+B or A+C or A+D) exceeds 70m in 8.0HP, please use 1/2" liquid pipe.

(**): In combinations with 8.0HP or 10.0HP indoor units, install a line branch system with multi-kits E-162SN3 and E-102SN3.

Indoor unit capacity after branch	Pipe Size B,C,D	
0.8-1.5HP	1/2"	1/4"
1.8/2.0HP	5/8"	1/4"
2.3-6.0HP	5/8"	3/8"
8.0HP	3/4"	3/8"
10.0HP	7/8"	3/8"

4 INDOOR UNITS SYSTEM (QUAD)

EXAMPLE 1 2 STAGE KIT: (1X KIT1) + (2X KIT 2)

GROUPS	Pipe Size A		Multi Kit 1	
	GAS	LIQUID	TE Option	TW Option
RASC 4HNPE	5/8 "	3/8 "	TE-04N1	TW-52AN
RASC 5-6HNPE	5/8 "	3/8 "	TE-56N1	TW-52AN
RASC 8HNPE	1 1/8 "	3/8 " (*)	TE-08N	TW-102AN
RASC 10HNPE	1 1/8 "	1/2 "	TE-10N	TW-102AN

(*): If pipe length (A+B+C or D) or A+C+(F or G) exceeds 70m in 8.0HP, please use a 1/2" liquid pipe.

Total indoor unit capacity after first branch (1+2) or (3+4)	Pipe Size B,C		Multi Kit 2	
	GAS	LIQUID	TE Option	TW Option
0.8-1.5HP	1/2 "	1/4 "	TE-03N1	TW-52AN
1.8-2.0HP	5/8 "	1/4 "	TE-03N1	TW-52AN
≥2.3HP	1 1/8 "	3/8 "	<4HP: TE-03N1 =4HP: TE-04N1 ≥5.0HP: TE-56N1	TW-52AN

Indoor unit capacity after branch	Pipe Size D,E,F,G	
0.8-1.5HP	1/2"	1/4"
1.8/2.0HP	5/8"	1/4"
2.3-6.0HP	5/8"	1/4"

EXAMPLE 2 BASIC KIT 4 OUTLETS - ONLY FOR 8/10HP

GROUPS	Pipe Size A		Multi Kit 1
	GAS	LIQUID	
RASC 8HNPE	1 1/8 "	3/8 " (*)	QE-812N1
RASC 10HNPE	1 1/8 "	1/2 "	

(*): If pipe length (A+B or A+C or A+D or A+E) exceeds 70m in 8.0HP, please use a 1/2" liquid pipe.

Indoor unit capacity after branch	Pipe Size B,C,D,E	
0.8-1.5HP	1/2"	1/4"
1.8/2.0HP	5/8"	1/4"
2.3-6.0HP	5/8"	3/8"

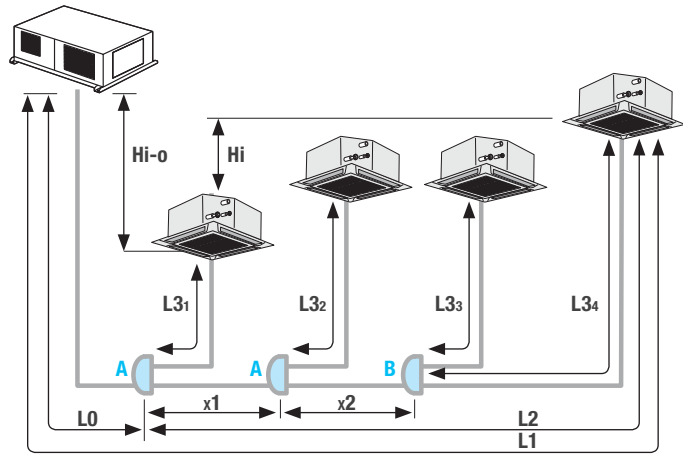
Please refer to pipe kit prices on page 271

Utopia IVX Centrifugal

Line Branch Installation

GROUPS	Pipe Size (L0, xL1, xL2)		Line Branch 1	Line Branch 2
	GAS	LIQUID		
RASC 4-6HNPE	5/8 "	3/8 "	E-102SN3	E-102SN3
RASC 8HNPE	1 1/8 "	3/8 " (*)	E-162SN3	E-102SN3
RASC 10HNPE	1 1/8 "	1/2 "	E-162SN3	E-102SN3

Indoor unit capacity after branch	Pipe Size B,C,D	
0.8-1.5HP	1/2"	1/4"
1.8/2.0HP	5/8"	1/4"
2.3-6.0HP	5/8"	3/8"
8.0HP	3/4"	3/8"
10.0HP	7/8"	3/8"



(*): If pipe length exceeds 70m in 8.0HP, please use a 1/2" liquid pipe.

Outdoor Units

UTOPIA IVX CENTRIFUGAL

		RASC 4HNPE	RASC 5HNPE	RASC 6HNPE	RASC 8HNPE	RASC 10HNPE
Power supply		400V / 3Ph / 50Hz				
Min-Max Number Of Indoor Units		1-5*			1-6*	
Lowest Connectable Capacity	HP	0.8*				
Connection Ratio (Min-Max)	%	75-120%*				
Nominal Cooling Capacity (min - max) ⁽¹⁾	kW	10.0 (7.5 - 12.0)	12.5 (9.4 - 15.0)	14.0 (10.5 - 16.8)	20.0 (15.0 - 24.0)	24.0 (18.0 - 28.8)
Nominal Heating Capacity (min - max) ⁽²⁾	kW	11.2 (8.4 - 13.4)	14.0 (10.5 - 16.8)	15.5 (12.0 - 19.2)	22.4 (16.8 - 26.9)	26.0 (19.5 - 31.2)
Nominal Load Efficiency EER / COP ⁽³⁾		3.35 / 3.8	3.14 / 3.4	2.75 / 2.7	2.7 / 3.2	2.66 / 3.05
Energy Class (Cool/Heat)		A / A	B / B	D / E	D / C	D / D
Noise level cooling (sound pressure) (night mode) ⁽⁴⁾	dB(A)	52 (48)	52 (48)	53 (49)	55 (51)	56 (52)
Noise level heating (sound pressure) ⁽⁴⁾	dB(A)	53	53	54	56	57
Noise level (sound power) ⁽⁵⁾	dB(A)	70	71	72	74	75
Air flow (Cooling / Heating)	m ³ /h	3300	3600	3600	6900	6900
Dimensions (H x W x D)	mm	555 x 1415 x 1015	555 x 1415 x 1015	555 x 1415 x 1015	620 x 1850 x 1360	620 x 1850 x 1360
Weight	kg	192	192	192	300	303
Piping diameter (Liquid / Gas)	Inch	3/8 / 5/8	3/8 / 5/8	3/8 / 5/8	3/8 / 11/8	1/2 / 11/8
	mm	9.53 / 15.88	9.53 / 15.88	9.53 / 15.88	9.53 / 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	75 / 30	100 / 30	100 / 30
Current Quantity of Refrigerant	kg	4.1	4.2	4.2	5.7	6.2
Chargeless / Additional Refrigerant Charge	m / g/m	30 / 60	30 / 60	30 / 60	30 / Calculate	30 / Calculate
Drain Diameter (ext)	mm	φ30mm	φ30mm	φ30mm	φ30mm	φ30mm
Recommended fuse size	A	25	25	25	32	32
Starting current	A	<10	<10	<10	<10	<10
Running current (cooling / heating)	A	4.8/4.7	6.4/6.6	8.2/9.2	11.9/11.2	14.5/13.7
Interconnecting Cables	No.	LNE + 2 core screened				
Working Range (cooling / heating)	°C	-5°C~-46(db)°C / -20(wb)°C~-15.5(wb)°C				
Refrigerant / GWP		R410a / 1975	R410a / 1975	R410a / 1975	R410a / 1975	D / D
Compressor type		Scroll	Scroll	Scroll	Scroll	D / D

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

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

(5) 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



SYSTEM
FREE



RPI 5FSN4E



PC ARF



PC ART



RASC 4-10HNPE



RPI 10FSN3E

Indoor units

- ✓ Nominal cooling capacities 10.0kW to 25.0kW
- ✓ Nominal heating capacities 11.2kW to 28.0kW
- ✓ Possible to supply fresh air: Econofresh see pages 208-209
- ✓ Low consumption motor
- ✓ 4 speed, 3 static pressure levels, including zero pressure setting
- ✓ Easily accessible filters.

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

- ✓ Only Utopia IVX centrifugal on the market
- ✓ Installed indoors with field-supplied ductwork – ideal where external installation space is limited or planning restrictions apply
- ✓ Low temperature operation as standard
- ✓ Flexible inlet air and outlet air option for easy installation (excludes 5HP)
- ✓ Only 43cm high (5HP only)



RPI 5FSN4E

UTOPIA IVX CENTRIFUGAL

Ducted in the Ceiling

INDOOR UNITS

		RPI 4.0FSN4E	RPI 5.0FSN4E	RPI 6.0FSN4E	RPI 8.0FSN3E	RPI 10.0FSN3E
Nominal Cooling Capacity (min - max) ⁽¹⁾	kW	10 (4.5 - 11.2)	12.5 (6.7 - 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	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	10.3 (7.9)	12.7 (9.1)	15.2 (10.5)	20.1 (15.5)	24.9 (17.9)
Nominal Load Efficiency EER / COP ⁽⁴⁾ Energy Class (Cool/Heat)		3.35 / 3.8 A / A	3.14 / 3.4 B / C	2.75 / 2.7 D / E	2.7 / 3.2 D / D	2.66 / 3.05 D / D
Noise Level (sound pressure) (L / M / H) ⁽⁵⁾	dB(A)	32/35/37	33/35/38	33/36/39	51/54/54	52/55/55
Noise level (sound power) ⁽⁶⁾	dB(A)	62	65	66	77	78
Air flow cooling mode (L / M / H)	m ³ /h	1500/1680/1800	1740/1920/2100	1800/1980/2160	3570/3960/3960	4056 / 4500 / 4500
Static Pressure Nom. (min ~ max)	Pa	45 (0 - 120)	50 (0 - 140)	50 (0 - 140)	140 - 220	140 - 220
Dimensions (H x W x D)	mm	275x1474x600	275x1474x600	275x1474x600	423 x 1592 x 600	423 x 1592 x 600
Weight	kg	48	48	48	85	87
Included Condensate Pump		yes	yes	yes	no	no
Condensate Pump Lift		850 mm from the bottom edge of the unit				
Drain Diameter (ext)		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 / 3/4 9.53 / 19.05	3/8 / 7/8 9.53 / 22.2
Power Input	w	250	250	250	1065	1065
Power supply		230V / 1Ph / 50Hz				
Recommended fuse size	A	5	5	5	10	10
Remote Controller		PC ART (PC-ARF, infra-red and simplified model optional)				

OUTDOOR UNITS

		RASC 4HNPE	RASC 5HNPE	RASC 6HNPE	RASC 8HNPE	RASC 10HNPE
Power supply		400V / 3Ph / 50Hz				
Noise level cooling (sound pressure) (night mode) ⁽⁵⁾	dB(A)	52 (48)	52 (48)	53 (49)	55 (51)	56 (52)
Noise level heating (sound pressure) ⁽⁵⁾	dB(A)	53	53	54	56	57
Noise level (sound power) ⁽⁶⁾	dB(A)	70	71	72	74	75
Air flow (Cooling / Heating)	m ³ /h	3300	3600	3600	6900	6900
Maximum External Static Pressure	Pa	90	100	100	120	120
Dimensions (H x W x D)	mm	555 x 1415 x 1015	555 x 1415 x 1015	555 x 1415 x 1015	620 x 1850 x 1360	620 x 1850 x 1360
Weight	kg	192	192	192	300	303
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	1/2 / 1 1/8 12.7 / 28.61
Minimum Piping Length	m	5	5	5	5	5
Maximum Piping Length / Height Difference	m	75 / 30	75 / 30	75 / 30	100 / 30	100 / 30
Current Quantity of Refrigerant	kg	4.1	4.2	4.2	5.0	5.0
Chargeless / Additional Refrigerant Charge	m / g/m	30 / 60	30 / 60	30 / 60	30 / Calculate	30 / Calculate
Drain Diameter (ext)		φ30mm	φ30mm	φ30mm	φ30mm	φ30mm
Recommended fuse size	A	25	25	25	32	32
Starting current	A	<10	<10	<10	<10	<10
Running current (cooling / heating)	A	4.8/4.7	6.4/6.6	8.2/9.2	11.9/11.2	14.5/13.7
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	R410a / 1975	R410a / 1975	R410a / 1975
Compressor type		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) 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

Cassettes

UTOPIA IVX CENTRIFUGAL



SYSTEM
FREE



RCI 5FSN3Ek

RCI 5FSN3



MOTION SENSOR



PC ARF



PC ART



RASC 5HNPE

Indoor units

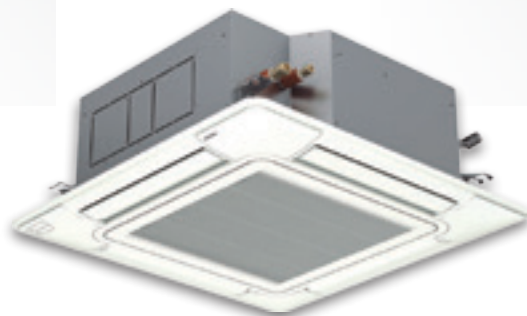
- ✓ Nominal cooling capacity 12.5kW
- ✓ Nominal heating capacity 14.0kW
- ✓ Standard 900mm x 900mm design
- ✓ New heat exchanger and Super High Stream turbo fan with curved blades for 20% increased efficiency with noise levels as low as 28dB(A)
- ✓ Optional motion sensor adjusts heating and cooling levels 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 very 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*
- ✓ 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.

Outdoor units

- ✓ Only centrifugal inverter on the market
- ✓ R410A refrigerant
- ✓ Installed indoors with field-supplied ductwork – ideal where external installation space is limited or planning restrictions apply
- ✓ Simple Wiring - Only one connection is required for the wiring between the indoor unit and outdoor unit and the total wiring length is reduced
- ✓ Low temperature operation as standard
- ✓ Flexible inlet air and outlet air option for easy installation.



RCI 5FSN3/Ek

UTOPIA IX CENTRIFUGAL

4-Way Cassette

INDOOR UNITS

		STANDARD MODEL			HI EFFICIENCY MODEL		
		RCI 4.0FSN3Ek	RCI 5.0FSN3Ek	RCI 6.0FSN3Ek	RCI 4.0FSN3	RCI 5.0FSN3	RCI 6.0FSN3
Nominal Cooling Capacity (min - max) ⁽¹⁾	kW	10 (4.5 - 11.2)	12.5 (5.7 - 14.0)	14.0 (6.0 - 16.0)	10 (4.5 - 11.2)	12.5 (5.7 - 14.0)	14.0 (6.0 - 16.0)
Nominal Heating Capacity (min - max) ⁽²⁾	kW	11.2 (5.0 - 14.0)	14.0 (5.0 - 16.0)	16.0 (5.0 - 18.0)	11.2 (5.0 - 14.0)	14.0 (5.0 - 16.0)	16.0 (5.0 - 18.0)
UK Cooling Capacity (sensible) ⁽³⁾	kW	10.6 (8.3)	13.2 (9.8)	15.6 (11.4)	10.6 (8.2)	13.2 (9.5)	15.7 (10.8)
Nominal Load Efficiency EER / COP ⁽⁴⁾ Energy Class (Cool/Heat)		2.88 / 3.3 A / A	2.86 / 2.92 B / C	2.64 / 2.38 D / E	3.35 / 3.8 A / A	3.14 / 3.4 B / C	2.75 / 2.70 D / E
Noise Level (sound pressure) (L / M / H) ⁽⁵⁾	dB(A)	33/35/38	35/37/39	36/40/42	33/39/43/48	35/40/45/48	37/41/46/48
Noise level (sound power) ⁽⁶⁾	dB(A)	60	61	64	64	64	65
Air flow cooling mode (L / M / H)	m ³ /h	1440/1680/1920	1500/1740/2040	1620/1920/2220	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	298 x 840 x 840	298 x 840 x 840
Weight	kg	29	29	29	26	26	26
Fascia Panel		P-AP160NAE (with Motion Sensor) P-AP160NA1 (without Motion Sensor)			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	37 x 950 x 950	37 x 950 x 950
Fascia Panel Weight	kg	6	6	6	6	6	6
Included Condensate Pump		yes	yes	yes	yes	yes	yes
Condensate Pump Lift		850mm from bottom edge of unit			850mm from bottom edge of unit		
Drain Diameter (ext)		φ32mm	φ32mm	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	3/8 / 5/8 9.53 / 15.88	3/8 / 5/8 9.53 / 15.88
Power Input	w	108	108	108	127	127	127
Power supply		230V / 1Ph / 50Hz			230V / 1Ph / 50Hz		
Recommended fuse size	A	5	5	5	5	5	5
Remote Controller		PC ART (PC-ARF, infra-red and simplified model optional)			PC ART (PC-ARF, infra-red and simplified model optional)		

* Four fan speeds only available with RCI 4-6 FSN3 installed with PC-ARF wired controller or PC-LH3B infra-red controller/receiver kit

OUTDOOR UNITS

		RASC 4HNPE	RASC 5HNPE	RASC 6HNPE	RASC 4HNPE	RASC 5HNPE	RASC 6HNPE
Power supply		400V / 3Ph / 50Hz			400V / 3Ph / 50Hz		
Noise level cooling (sound pressure) (night mode) ⁽⁵⁾	dB(A)	52 (48)	52 (48)	53 (49)	52 (48)	52 (48)	53 (49)
Noise level heating (sound pressure) ⁽⁵⁾	dB(A)	53	53	54	53	53	54
Noise level (sound power) ⁽⁶⁾	dB(A)	70	71	72	70	71	72
Air flow (Cooling / Heating)	m ³ /h	3300	3600	3600	3300	3600	3600
Maximum External Static Pressure	Pa	90	100	100	90	100	100
Dimensions (H x W x D)	mm	555 x 1415 x 1015	555 x 1415 x 1015	555 x 1415 x 1015	555 x 1415 x 1015	555 x 1415 x 1015	555 x 1415 x 1015
Weight	kg	192	192	192	192	192	192
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 / 5/8 9.53 / 15.88
Minimum Piping Length	m	5	5	5	5	5	5
Maximum Piping Length / Height Difference	m	75 / 30	75 / 30	75 / 30	75 / 30	75 / 30	75 / 30
Current Quantity of Refrigerant	kg	4.1	4.2	4.2	4.1	4.2	4.2
Chargeless / Additional Refrigerant Charge	m / g/m	30 / 60	30 / 60	30 / 60	30 / 60	30 / 60	30 / 60
Drain Diameter (ext)		φ30mm	φ30mm	φ30mm	φ30mm	φ30mm	φ30mm
Recommended fuse size	A	25	25	25	25	25	25
Starting current	A	<10	<10	<10	<10	<10	<10
Running current (cooling / heating)	A	4.8/4.7	6.4/6.6	8.2/9.2	4.8/4.7	6.4/6.6	8.2/9.2
Interconnecting Cables	No.	LNE + 2 core screened			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	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) 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.

Utopia Split Systems

HI-EFFICIENCY CEILING SUSPENDED



RPC 5FSN3



PC ARF



RASC 5HNPE

Indoor units

- ✓ Nominal cooling capacity 10.0kW to 14.0kW
- ✓ Nominal heating capacity 11.2kW 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

- ✓ Only Utopia IX centrifugal on the market
- ✓ Installed indoors with field-supplied ductwork – ideal where external installation space is limited or planning restrictions apply
- ✓ Simple Wiring - Only one connection is required for the wiring between the indoor unit and outdoor unit and the total wiring length is reduced
- ✓ Low temperature operation as standard
- ✓ Flexible inlet air and outlet air option for easy installation.



RPC 5FSN3

UTOPIA IVX CENTRIFUGAL

Hi-Efficiency Ceiling Suspended

INDOOR UNITS

		RPC 4.0FSN3	RPC 5.0FSN3	RPC 6.0FSN3
Nominal Cooling Capacity (min - max) ⁽¹⁾	kW	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	11.20 (5.00 - 14.00)	14.00 (5.00 - 16.00)	16.0 (5.0 - 20.0)
UK Cooling Capacity (sensible) ⁽³⁾	kW	10.6 (7.6)	13.2 (9.5)	15.7 (11.3)
Nominal Load Efficiency EER / COP ⁽⁴⁾		3.35 / 3.8	3.14 / 3.4	2.75 / 2.7
Energy Class (Cool/Heat)		A / A	B / C	D / E
Noise Level (sound pressure) (L/M/H/H2) ⁽⁵⁾	dB(A)	32/37/42/44	35/41/45/48	36/42/47/49
Noise level (sound power) ⁽⁶⁾	dB(A)	60	64	65
Air flow cooling mode (L/M/H/H2)	m ³ /h	1020/1320/1590/1800	1200/1530/1860/2100	1260/1620/1950/2220
Dimensions (H x W x D)	mm	235x1580x690	235x1580x690	235x1580x690
Weight	kg	41	41	41
Included Condensate Pump		Opt.	Opt.	Opt.
Drain Diameter (ext)		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
Power Input	w	160	160	160
Power supply		230V / 1Ph / 50Hz	230V / 1Ph / 50Hz	230V / 1Ph / 50Hz
Recommended fuse size	A	5	5	5
Recommended fuse size	A	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

		RASC 4HNPE	RASC 5HNPE	RASC 6HNPE
Power supply		400V / 3Ph / 50Hz		
Noise level cooling (sound pressure) (night mode) ⁽⁶⁾	dB(A)	52 (48)	52 (48)	53 (49)
Noise level heating (sound pressure) ⁽⁶⁾	dB(A)	53	53	54
Noise level (sound power) ⁽⁶⁾	dB(A)	70	71	72
Air flow (Cooling / Heating)	m ³ /h	3300	3600	3600
Maximum External Static Pressure	Pa	90	100	100
Dimensions (H x W x D)	mm	555 x 1415 x 1015	555 x 1415 x 1015	555 x 1415 x 1015
Weight	kg	192	192	192
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
Minimum Piping Length	m	5	5	5
Maximum Piping Length / Height Difference	m	75 / 30	75 / 30	75 / 30
Current Quantity of Refrigerant	kg	4.1	4.2	4.2
Chargeless / Additional Refrigerant Charge	m / g/m	30 / 60	30 / 60	30 / 60
Drain Diameter (ext)		φ30mm	φ30mm	φ30mm
Recommended fuse size	A	25	25	25
Starting current	A	<10	<10	<10
Running current (cooling / heating)	A	4.8/4.7	6.4/6.6	8.2/9.2
Interconnecting Cables	No.	LNE + 2 core screened		
Working Range (cooling / heating)	°C	-5°C~46(db)°C / -20(wb)°C~-15.5(wb)°C		
Refrigerant / GWP		R410a / 1975	R410a / 1975	R410a / 1975
Compressor type		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) 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.