

# Utopia ES (4-Way)



600x600 Cassette (RCIM)

850x850 Cassette (RCI)

## Features and Benefits

The Utopia ES units are the latest addition to the Utopia range of Hitachi air conditioners. This cost-effective range of cassettes are available with heating and cooling capacities from 5.0kW to 16.0kW and offer the following benefits:

- High COP and EER**  
 COP of 4.75 and EER of 3.97
- Compact Design**  
 The depth of the units vary from just 248 to 295mm, so they can be installed in a reduced space inside a false ceiling
- Low Noise**  
 Levels as low as 28 dB(A) (NR 22)
- DC Inverter Technology**  
 Hitachi pioneered 'DC' Inverter PAM driven Air Conditioners and use this technology to drive its compressors and fans
- Uniform Square Panel Size for 600 x 600 Ceiling**  
 Panel sizes are standardised to facilitate the installation in a grid ceiling
- Easy Installation and Maintenance**  
 The electrical box is located inside the grille, enabling easier access to the electrical components. A pocket is provided on each of the four panel corners so that the body height can be easily adjusted without removing the panel
- High Ceiling Adaptability**  
 High ceiling installations up to 4.2m are possible utilising speed-up taps
- Fan Motor Input Reduced by DC Motor**  
 The DC fan motor greatly improves efficiency compared to conventional products that use AC motors. In addition, air blasts are reduced by controlling the rotation speed of the fan



RAS-HVRNS(E)



RCIM-FSN2



RCI-FSN2E



PC-ART

- Low Refrigerant Charge**  
 Low refrigerant charge quantity that aids F-Gas requirements
- Standard Controller**  
 Hard wired remote controller with built in 7-day timer
- Control Options**  
 Optional simplified hard wired or infra red remote controller with 24hr timer  
  
 Compatible with H-LINK II Control and CS Net Web controls that integrate with all leading BMS protocols

System Features	RCIM 2.0FSN2	RCI 2.0FSN2E	RCI 2.5FSN2E	RCI 3.0FSN2E	RCI 4.0FSN2E	RCI 5.0FSN2E	RCI 6.0FSN2E
Auto Restart by Previous Mode	✓	✓	✓	✓	✓	✓	✓
Auto Changeover	✓	✓	✓	✓	✓	✓	✓
Remote Control Self Diagnosis	✓	✓	✓	✓	✓	✓	✓
Fresh Air Intake Kit	-	✓	✓	✓	✓	✓	✓
Side Discharge Kit	✓	✓	✓	✓	✓	✓	✓
High Ceiling Adaptability	✓	✓	✓	✓	✓	✓	✓
Drain Pump (850mm lift) (RCIM 600mm lift)	✓	✓	✓	✓	✓	✓	✓
Remote Controller Type	Hard Wired (std) – Simplified Wired or Infra Red (options)						
Remote Control Timer	24hr or 7 Day option						
H-LINK Compatible	✓	✓	✓	✓	✓	✓	✓

## Cassette (4-way) Indoor Units

		RCIM 2.0FSN2	RCI 2.0FSN2E	RCI 2.5FSN2E	RCI 3.0FSN2E	RCI 4.0FSN2E	RCI 5.0FSN2E	RCI 6.0FSN2E
Nom Capacity (Min~Max) (kW)	Cooling	5.0 (2.0 ~ 5.6)	5.0 (2.0 ~ 5.6)	6.0 (2.2 ~ 6.3)	7.1 (3.4 ~ 8.0)	10.0 (4.9 ~ 11.2)	12.5 (5.7 ~ 14.0)	14.0 (6.0 ~ 16.0)
	Heating	5.6 (2.2 ~ 7.1)	5.6 (2.2 ~ 7.1)	7.0 (2.2 ~ 7.1)	8.0 (3.4 ~ 9.0)	11.2 (5.0 ~ 12.5)	14.0 (6.0 ~ 16.0)	16.0 (6.0 ~ 18.0)
UK Cooling Capacity (kW)	Total	5.3	5.3	5.9	7.5	10.6	13.1	15.6
	Sensible	3.8	4.1	4.3	5.9	8.3	9.7	11.4
EER/COP	Cooling	3.91	3.97	3.28	3.06	3.01	3.22	2.81
	Heating	4.67	4.75	3.80	3.29	3.48	3.41	3.28
Energy Label	Cooling	A	A	A	B	B	A	C
	Heating	A	A	A	C	B	B	C
Indoor Sound Pressure Level dB(A)		42/39/37	32/30/28	32/30/28	34/32/30	38/35/33	39/37/35	42/40/36
Indoor Fan (m <sup>3</sup> /min)		16/14/12	16/14/12	20/17/15	26/23/20	32/28/24	34/29/25	37/32/27
Dimensions (mm) & Weight (kg) (Grille)	Height	570	840		840			
	Width	570	840		840			
	Depth	295	248		298			
	Grille	700/700/35	950/950/37		950/950/38			
	Weight	17	24 (6)		26 (6)			

## Outdoor Units

		RAS 2HVRN1	RAS 2HVRN1	RAS 2.5HVRN1	RAS 3HVRNS	RAS 4HVRNSE	RAS 5HVRNSE	RAS 6HVRNSE	
Outdoor Sound Pressure Level (Set Back) dB(A)	Cooling	46 (44)	46 (44)	46 (44)	48 (46)	44 (40)	46 (42)	48 (45)	
	Heating	48	48	48	50	46	48	50	
Dimensions (mm) & Weight (kg)	Height	600				800			
	Width	792				950			
	Depth	300				370			
	Weight	42	42	42	44	85	89	89	
Operating Range (°C)	Cooling	(-15 ~ 43)db			(-5 ~ 43)db				
	Heating	(-10 ~ 15)wb			(-10 ~ 15)wb				
Refrigerant Piping (mm (in))	Liquid	6.35(1/4)	6.35(1/4)	6.35(1/4)	9.52(3/8)	9.52(3/8)	9.52(3/8)	9.52(3/8)	
	Gas	12.7(1/2)	12.7(1/2)	12.7(1/2)	15.88(5/8)	15.88(5/8)	15.88(5/8)	15.88(5/8)	
Piping (m)	Length	50	50	50	30	50	50	50	
	Lift	30	30	30	30	30	30	30	
	Chargeless	30	30	30	30	30	30	30	
Power Supply		1Ph 220-240V 50Hz							
Power to		Outdoor							
Interconnection Wires	No.	LNE + 2							
Starting Current (A)		TBC	TBC	TBC	TBC	TBC	TBC	TBC	
Total Current (A)	Cooling	5.5	5.5	8.1	10.3	14.2.	16.6	21.3	
	Heating	5.2	5.2	8.1	10.8	13.8	17.6	20.9	
Recommended Fuse Size (A)		16	16	20	25	32	32	32	