

Utopia ES (2-way) Cassette



Features and Benefits

The Utopia ES units are the latest addition to the Utopia range of Hitachi air conditioners. These cost effective, low profile range of cassettes are available with heating and cooling capacities from 5.0kW to 14.0kW and offer the following benefits:

- High COP and EER**
 COP of 4.67 and EER of 3.91
- Low Profile Design**
 The compact turbo fan simplifies the structure and reduces the height of the unit to 298mm. The unit's low profile design allows easy installation in the most confined spaces inside a ceiling
- Low Noise**
 By employing a super-high-stream turbo fan (three-dimensional twisted wing with large bore and high efficiency), the air flow efficiency has been improved by 20% resulting in a noise reduction down to an exceptionally low 30dB(A) (NR 26)
- DC Inverter Technology**
 Hitachi pioneered 'DC' Inverter PAM driven Air Conditioners and use this technology to drive its compressors and fans
- Air Panel Perfect for Any Ceiling**
 This unit virtually merges with the ceiling; it only protrudes 30mm and provides space for customised panelling allowing the unit to blend perfectly into any ceiling
- High Ceiling Installations**
 By incorporating the use of speed-up taps on the motor, this model can be adapted for high ceiling installations of up to 3.4m. This feature provides comfortable air conditioning in suburban stores and showrooms
- Low Refrigerant Charge**
 Low refrigerant charge quantity that aids F-Gas requirements



RAS-HVRNS(E)



RCD-FSN2



PC-ART

- 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	RCD 2.0FSN2	RCD 2.5FSN2	RCD 3.0FSN2	RCD 4.0FSN2	RCD 5.0FSN2
Auto Restart by Previous Mode	✓	✓	✓	✓	✓
Auto Changeover	✓	✓	✓	✓	✓
Remote Control Self Diagnosis	✓	✓	✓	✓	✓
Fresh Air Intake Kit	✓	✓	✓	✓	✓
Side Discharge Kit	✓	✓	✓	✓	✓
High Ceiling Adaptability	✓	✓	✓	✓	✓
Drain Pump (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 (2-way) Indoor Units

		RCD 2.0FSN2	RCD 2.5FSN2	RCD 3.0FSN2	RCD 4.0FSN2	RCD 5.0FSN2
Nom Capacity (Min-Max) (kW)	Cooling	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)
	Heating	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)
UK Cooling Capacity (kW)	Total	5.3	5.9	7.5	10.6	13.1
	Sensible	4.0	4.4	5.6	7.7	9.0
EER/COP	Cooling	3.85	3.19	3.01	2.99	3.17
	Heating	4.63	3.70	3.24	3.45	3.36
Energy Label	Cooling	A	B	B	C	B
	Heating	A	A	C	B	C
Indoor Sound Pressure Level dB(A)		35/32/30	38/34/31	38/34/31	40/36/33	43/40/36
Indoor Fan (m³/min)		15/13/11	19/16/14	19/16/14	28/24/21	34/29/25
Dimensions (mm) & Weight (kg) (Grille)	Height	860			1420	
	Width	620			620	
	Depth	298			298	
	Grille	1100/710/30			1660/710/30	
	Weight	27 (6)	30 (6)	30 (6)	48 (8)	48 (8)

Outdoor Units

		RAS 2HVRN1	RAS 2.5HVRN1	RAS 3HVRNS	RAS 4HVRNSE	RAS 5HVRNSE
Outdoor Sound Pressure Level (Set Back) dB(A)	Cooling	46 (44)	46 (44)	48 (46)	44 (40)	46 (42)
	Heating	48	48	50	46	48
Dimensions (mm) & Weight (kg)	Height	600			800	
	Width	792			950	
	Depth	300			370	
	Weight	42	42	44	85	89
Operation 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)	9.52(3/8)	9.52(3/8)	9.52(3/8)
	Gas	12.7(1/2)	12.7(1/2)	15.88(5/8)	15.88(5/8)	15.88(5/8)
Piping (m)	Length	50	50	30	50	50
	Lift	30	30	30	30	30
	Chargeless	30	30	30	30	30
Power Supply		1Ph 220-240V 50Hz				
Power to		Outdoor				
Interconnecting Cables	No.	LNE + 2				
Starting Current (A)		TBC	TBC	TBC	TBC	TBC
Total Current (A)	Cooling	5.5	8.1	10.3	14.2	16.6
	Heating	5.2	8.1	10.8	13.8	17.6
Recommended Fuse Size (A)		16	20	25	32	32