



Utopia ES Twin and Triple Splits

Features and Benefits

The Utopia ES units are the latest addition to the Utopia range of Hitachi air conditioners. This cost-effective range is available with heating and cooling capacities from 7.1kW to 16.0kW and offers the following benefits:

- Improved EER Figures**
 COP of 3.41 and EER of 3.22
- Compact Design**
 The ES range is small and compact; the units have only one fan
- DC Inverter Technology**
 Hitachi pioneered 'DC' Inverter driven Air Conditioners and use this technology to drive its compressors and fans
- Common Appearance**
 Common cabinet size and exterior of the Utopia ES and IVX allows for the units to be installed together creating a uniform appearance
- Low Refrigerant Charge**
 Low refrigerant charge quantity that aids F-Gas leak 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



RAS-HVRNS



RAS-HVRNSE

System Features	RAS 3HVRNS	RAS 4HVRNSE	RAS 5HVRNSE	RAS 6HVRNSE
Auto Restart by Previous Mode	✓	✓	✓	✓
Auto Changeover	✓	✓	✓	✓
Remote Controller Self Diagnosis	✓	✓	✓	✓
Inverter Control	✓	✓	✓	✓
System Free Outdoor Units & Controls Configurations	✓	✓	✓	✓
Mix Match of Outdoor Units	Twin	Twin & Triple	Twin	Twin & Triple
Remote Controller Type	✓	✓	✓	✓
Remote Control Timer	Hard Wired (std) - Simplified Wired or Infra Red (options) 24hr or 7 Day option			
H-LINK Compatible	✓	✓	✓	✓

Utopia ES Outdoor Units

ES Utopia Combinations	RAS 3HVRNS		RAS 4HVRNSE			RAS 5HVRNSE			RAS 6HVRNSE		
Single Splits	3.0	-	4.0	-	-	5.0	-	-	6.0	-	-
Twin Splits	1.5	1.5	2.0	2.0	-	2.5	2.5	-	3.0	3.0	-
Triple Splits	-	-	1.5	1.5	1.5	-	-	-	2.0	2.0	2.0

Utopia ES Outdoor Units

Outdoor Units		RAS 3HVRNS	RAS 4HVRNSE	RAS 5HVRNSE	RAS 6HVRNSE
Nominal Capacity (Min ~ Max) (kW)	Cooling	7.1 (1.5 ~ 8.0)	10 (4.9 ~ 11.2)	12.5 (5.7 ~ 14.0)	14.0 (6.0 ~ 16.0)
	Heating	8.0 (1.5 ~ 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	7.2	10.4	12.8	15.2
Outdoor Sound Pressure Level (Set Back) dB(A)	Cooling	48 (46)	44 (40)	46 (42)	48 (45)
	Heating	50	46	48	50
Dimensions (mm) & Weight (kg)	Height	600	800		
	Width	792	950		
	Depth	300	370		
	Weight	44	85	89	89
Operating Range (°C)	Cooling	(-5 ~ 43)db			
	Heating	(-10 ~ 15)wb			
Refrigerant Piping (mm (in))	Liquid	9.52(3/8)	9.52(3/8)	9.52(3/8)	9.52(3/8)
	Gas	15.88(5/8)	15.88(5/8)	15.88(5/8)	15.88(5/8)
Piping (m)	Length	30	50	50	50
	Lift	30	30	30	30
	Chargeless	20	20	30	30
Power Supply		220-240V 50Hz			
Power to		Outdoor			
Interconnecting Cables	No.	LNE + 2			
Starting Current (A)		TBC	TBC	TBC	TBC
Total Current (A)	Cooling	10.3	14.2	16.6	21.3
	Heating	10.8	13.8	17.6	20.9
Recommended Fuse Size (1 Phase)	A	25	32	32	32