

# IVX+

Winner of Japanese Government Award for Energy Efficiency



## Features and Benefits

The latest addition to the range is the enhanced IVX+ offering even greater flexibility with up to 10 connectable indoor units and extended piping to 100m.

Available with heating and cooling capacities from 22.4kW to 37.5kW this extended range offers the following benefits:

- High COP and EER**  
 COP of 4.28 and EER of 3.53
- Compact Design**  
 The unit uses a horizontal discharge twin fan design allowing for a more efficient use of floor space
- Low Noise**  
 Levels as low as 53dB(A)
- DC Inverter Technology**  
 Hitachi pioneered 'DC' Inverter driven Air Conditioners and use this technology to drive its compressors and fans
- Individual Control**  
 The IVX+ can control up to 10 indoor units independently from only one outdoor unit
- Common Appearance**  
 Common cabinet size and exterior of the IVX+ and Utopia ES allows for the units to be installed together creating a uniform appearance



RAS-FSNM

- Control Options**  
 Infra red remote controller with 24hr timer, simplified hard wired controller or hard wired remote controller with built in 7-day timer. Compatible with H-LINK II Control and CS Net Web controls that integrate with all leading BMS protocols

System Features	Outdoor 10	IVX+		
	Outdoor 30	RAS 8FSNM	RAS 10FSNM	RAS 12FSNM
Outdoor Unit quantity		10	10	10
Connectable Indoor Unit Capacity (%)		50-130	50-130	50-110
Auto Restart by Previous Mode		✓	✓	✓
Auto Changeover		✓	✓	✓
Remote Controller Self Diagnosis		✓	✓	✓
Multi Kit Piping (VRF Style RefNet Piping)		✓	✓	✓
Individual Outdoor Unit Control		✓	✓	✓
Compact & Light Weight Design		✓	✓	✓
Energy Saving (Auto Power Limits or Wave Control)		✓	✓	✓
Night Set Back		✓	✓	✓
Remote Controller Type		Hard Wired (std) - Simplified Wired or Infra Red (options)		
Remote Control Timer		7 Day / 24hr		
H-LINK Compatible		✓	✓	✓

## Outdoor Units

Outdoor Units		RAS 8.0FSNM*	RAS 10.0FSNM*	RAS 12.0FSNM*
Nominal (kW)	Cooling	22.4	28.0	33.5
	Heating	25.0	31.5	37.5
UK Cooling Capacity (kW)	Total	20.8	26.0	31.2
EER/COP (outdoor only)	Cooling	3.53	3.37	3.13
	Heating	4.28	4.04	3.79
ECA Approved		See ECA Web Site		
Maximum Number of Indoor Units	N°	10	10	10
Outdoor Sound Pressure Level (Set Back) dB(A)	Cooling	53	56	59
	Heating	55	58	61
Dimensions (mm) & Weight (kg)	Height	1650	1650	1650
	Width	1100	1100	1100
	Depth	390	390	390
	Weight	179	179	182
Operating Range (°C)	Cooling	(-15 ~ 46)db	(-15 ~ 46)db	(-15 ~ 46)db
	Heating	(-20 ~ 15)wb	(-20 ~ 15)wb	(-20 ~ 15)wb
Refrigerant Piping (mm (in))	Liquid	9.52(3/8)	12.7(1/2)	12.7(1/2)
	Gas	22.20 (7/8)	22.20 (7/8)	22.20 (7/8)
Piping (m)	Total Length	100	100	100
	Lift	30	30	30
Power Supply		3Ø 380-415V 50Hz	3Ø 380-415V 50Hz	3Ø 380-415V 50Hz
Starting Current (A)		8.0	8.0	8.0
Total Current (380 / 415) (A)	Cooling	10.5 / 11.5	13.9 / 15.2	17.7 / 19.4
	Heating	9.9 / 10.8	13.0 / 14.2	16.4 / 17.9
Recommended Fuse Size (A)		TBC	TBC	TBC

\*New models for 2009. Check availability with Hitachi Sales Offices. Details on specification may change.