



## Features and Benefits

The IVX is a very efficient product and is a further development on its predecessor which was presented the “Shoene Taishou” (Energy Efficiency Award) by the Japanese Government.

Available with heating and cooling capacities from 7.1kW to 37.5kW this range offers the following benefits:

- High COP and EER**  
 COP of 4.41 and EER of 4.10
- 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 42dB(A) (NR35)
- 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 four 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



- 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 1Ø	RAS 3HVRNME	RAS 4HVRNME	RAS 5HVRNME	RAS 6HVRNME	-	-	-
	Outdoor 3Ø	-	RAS 4HRNME	RAS 5HRNME	RAS 6HRNME	RAS 8.0HRNME	RAS 10.0HRNME	RAS 12.0HRNME
Outdoor Unit quantity		2	2	3	3	4	4	4
Connectable Indoor Unit Capacity (%)		100	100	100	100	100	100	100
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	Outdoor 1Ø	RAS 3HVRNME	RAS 4HVRNME	RAS 5HVRNME	RAS 6HVRNME	-	-	-
	Outdoor 3Ø	-	RAS 4HRNME	RAS 5HRNME	RAS 6HRNME	RAS 8.0HRNM	RAS 10.0HRNM	RAS 12.0HRNM
Nominal (Min ~ Max) (kW)	Cooling	7.1 (3.2-8.0)	10.0 (4.9-11.2)	12.5 (5.7-14.0)	14.0 (6.0-16.0)	20.0 (9.0-22.4)	25.0 (11.2-28.0)	25.0 (11.2-28.0)
	Heating	8.0 (3.5-10.6)	11.2 (5.0-14.0)	14.0 (5.0-18.0)	16.0 (5.0-20.0)	22.4 (8.3-28.0)	28.0 (10.5-35.0)	28.0 (10.5-35.0)
UK Cooling Capacity (kW)	Total	7.6	10.4	12.7	15.4	20.5	25.4	30.2
	Sensible	6.0	8.1	9.4	11.2	16.0	18.8	22.0
EER/COP	Cooling	3.66	4.10	3.54	3.29	3.36	3.20	3.10
	Heating	4.21	4.41	4.12	3.78	4.24	3.93	3.83
Sound Pressure Level (Set Back) dB(A)	Cooling	42 (38)	44 (40)	46 (42)	48 (45)	54 (52)	59 (55)	60 (58)
	Heating	44	46	48	50	54	59	60
Dimensions (mm) & Weight (kg)	Height	800	1380			1650		
	Width	950	950			1100		
	Depth	370	370			390		
	Weight 1Ø/3Ø	67	114	115	115	170	170	173
Operating Range (°C)	Cooling	(-5 ~ 46)db				(-15 ~ 46)db		
	Heating	(-20 ~ 15)wb				(-20 ~ 15)wb		
Refrigerant Piping (mm (in))	Liquid	9.52(3/8)	9.52(3/8)	9.52(3/8)	9.52(3/8)	9.52(3/8)	12.7(1/2)	12.7(1/2)
	Gas	15.88(5/8)	15.88(5/8)	15.88(5/8)	15.88(5/8)	22.20 (7/8)	22.20 (7/8)	22.20 (7/8)
Piping (m)	Length	50	70	75	75	100	100	100
	Lift	30	30	30	30	30	30	30
	Chargeless	30	30	30	30	30	30	30
Power Supply	1 Phase	1Ph 220-240V 50Hz				-	-	-
	3 Phase	-	3Ph 380-415V 50Hz					-
Starting Current (A)		TBC	TBC	TBC	TBC	TBC	TBC	TBC
Total Current (1Ø/3Ø) (A)	Cooling	8.2	10.3 / 3.7	15.0 / 5.3	18.1 / 6.4	9.2	12.0	14.7
	Heating	8.0	10.8 / 3.8	14.5 / 5.1	18.0 / 6.4	8.3	11.0	13.4
Recommended Fuse Size (A)		25	32 / 16	32 / 16	32 / 16	16	20	20