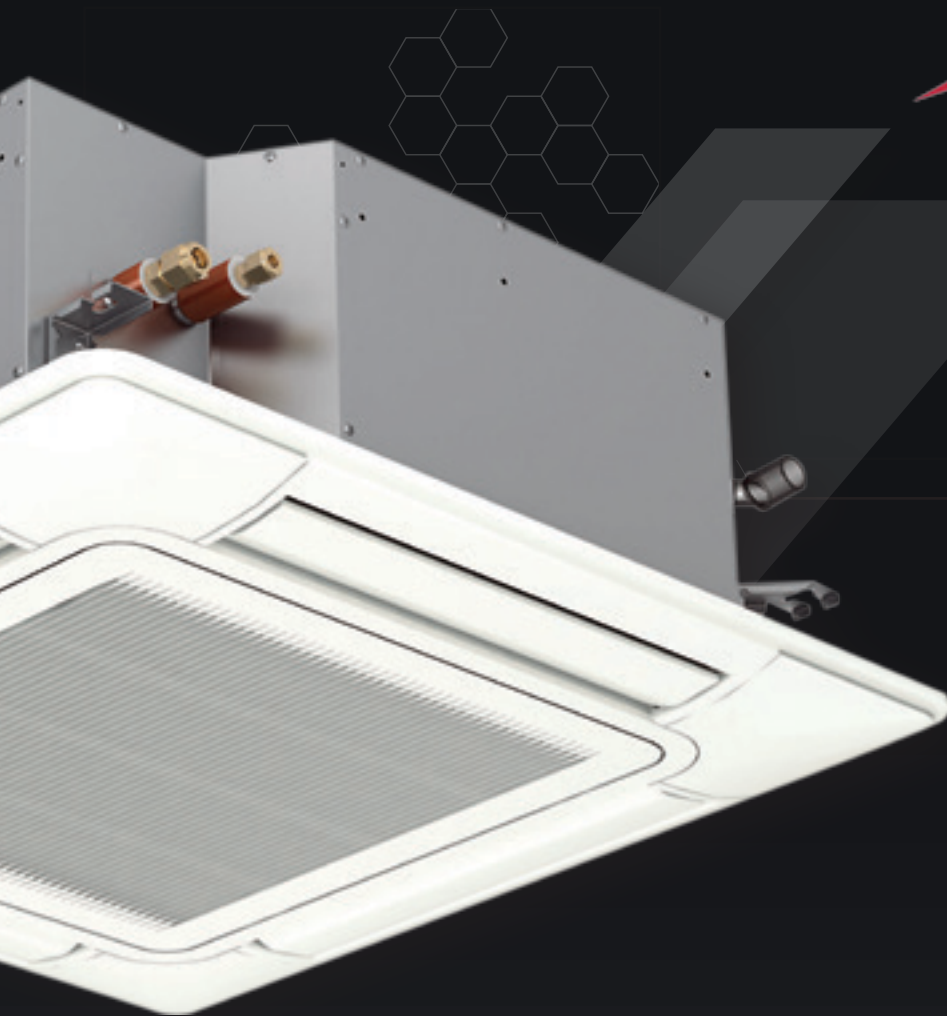


Cassette



SCOP
A++

SEER
A++



CASSETTE

Hitachi's cassettes are an efficient, economical and discrete solution for all commercial spaces, including shops and offices.



MONOZONE Mini 4-way cassette

RAI 25 - 50 RPA _____ pages 72 and 73



UTOPIA ES 4-way cassette

RCI 3 - 6 FSN3Ek* _____ pages 74 and 75



UTOPIA IVX COMFORT 4-way cassette

RCI 3 - 6 FSN3Ek _____ pages 76 and 77



UTOPIA IVX PREMIUM 4-way cassette

RCI 2 - 6 FSN3Ek _____ pages 78 and 79



UTOPIA IVX COMFORT High efficiency 4-way cassette

RCI 3 - 6 FSN3 _____ pages 80 and 81



UTOPIA IVX PREMIUM High efficiency 4-way cassette

RCI 2 - 6 FSN3 _____ pages 82 and 83

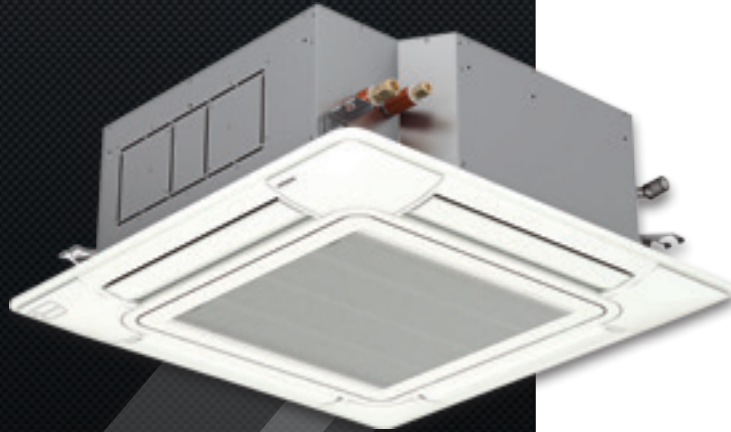


UTOPIA IVX CENTRIFUGAL Standard or high efficiency 4-way cassette

RCI 3 - 6 FSN3Ek / RCI 3 - 6 FSN3 _____ pages 84 and 85

CASSETTE

GUARANTEED PERFORMANCE AND DISCRETION



SCOP
A++

SCOP
4.77

SEER
A++

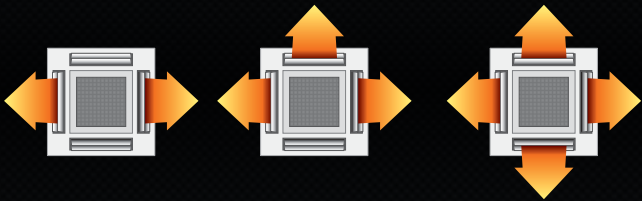
SEER
7.88

SYSTEM
FREE

Functions

INDEPENDENT "SILKY FLOW" LOUVRES

Louvres designed to increase the Coanda effect and are independently adjusted for greater comfort (High Performance Cassette, optional panel only)



BUILT-IN MOTION SENSOR

The operational functions of the cassette are changed by a presence in the room (optional panel only)

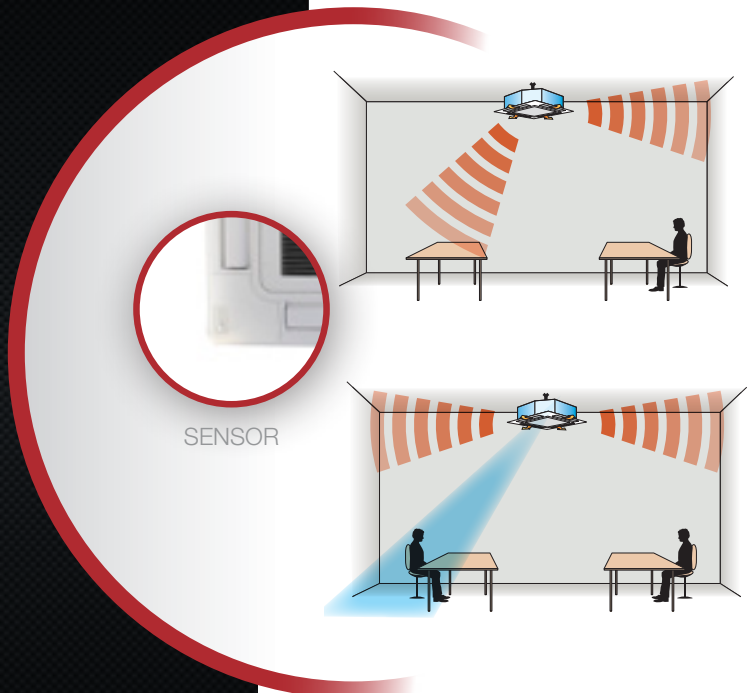
MULTIPLE FUNCTIONS ARE INSTALLED AS STANDARD

Window switch, thermostat control, drainage pump and high-tech filter

HEATING GUARANTEED AS LOW AS -20°C.

Heating guaranteed in temperatures as low as -20°C outside with the High Performance cassette and down to -15°C for the rest of the Cassette range.

A wide range which meets all your needs










- Direction of the airflow
- Temperature setting
- Automatic shut-down.

CASSETTE

Range



Wide range

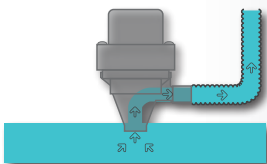
| | | Nominal cooling output (kW) | | | | | | | |
|---|---|-----------------------------|-----|-----|-----|------|----|------|----|
| | | 2.5 | 3.5 | 5.0 | 6.0 | 7.10 | 10 | 12.5 | 14 |
|  | MONOZONE <i>(pages 72 and 73)</i> | / | / | / | | | | | |
|  | FSN3Ek ES <i>(pages 74 and 75)</i> | | | | | / | / | / | / |
|  | FSN3Ek COMFORT <i>(pages 76 and 77)</i> | | | | | / | / | / | / |
|  | FSN3Ek PREMIUM <i>(pages 78 and 79)</i> | | | / | / | / | / | / | / |
|  | FSN3 COMFORT <i>(pages 80 and 81)</i> | | | | | / | / | / | / |
|  | FSN3 PREMIUM <i>(pages 82 and 83)</i> | | | / | / | / | / | / | / |
|  | FSN3 / k CENTRIFUGAL <i>(pages 84 and 85)</i> | | | | | | / | / | / |

Cassettes

MONOZONE



RAI 25-50RPA



DRAINAGE PUMP INCLUDED

Indoor units

- /// Nominal cooling capacities 2.5kW to 5.0kW
- /// Nominal heating capacities 3.5kW to 6.2kW
- /// Mini 600 x 600 cassette design fits standard ceiling module, minimising installation work
- /// All Hitachi's RAC units offer high seasonal efficiencies, with models in the Monozone range achieving up to SEER A+ 5.8/SCOP A 3.8
- /// Flexible 2-Way, 3-Way or 4-Way air outlets with auto-oscillation
- /// Heating mode lock - suitable for BREEAM assessed buildings where cooling mode might not be accepted or simply where cooling is not required
- /// Volt Free control of the air conditioning system - can be used to turn the unit on/off remotely after receiving a signal such as key-card, door or window switch, specifically useful in hotel rooms to prevent unnecessary use. Accessory SPX WDC2 is required.



INFRA-RED REMOTE CONTROL RAR-5E2*



INFRA-RED WIRED REMOTE CONTROL PX-RCDB**

Remote controllers

- /// 24-hour, 7-day Infra-red remote controller
- /// ECO operation energy saving function Leave Home Function - set temperature at 10°C automatically when no one is at home for up to 99 days
- /// Weekly Timer - 6 patterns
- /// Heating/Cooling Only operation - 2 ways of setting
- /// Room temperature display.

* Standard
** Optional



RAI 25-50RPA



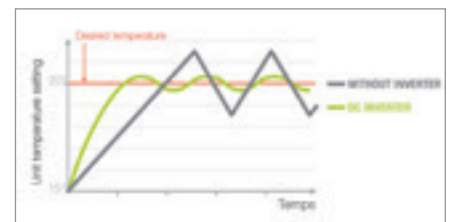
RAC 25-35NPA



RAC 50NPA

DC Inverter Outdoor unit

- /// As the pioneer of DC Inverter driven room air conditioners our units boast the significant advantage of all DC Inverter driven compressors and fans allowing precise control of capacity and temperature.



MINI 4-WAY CASSETTE

Monozone

INDOOR UNITS

| | | RAI-25RPA | RAI-35RPA | RAI-50RPA |
|--|-------------------|---------------------------|----------------------|----------------------|
| Nominal Cooling Capacity (min - max) | kW | 2.5 (0.9 - 3.0) | 3.5 (0.9 - 4.0) | 5.0 (0.9 - 5.2) |
| Cooling Sensible Capacity | kW | 2.0 | 2.9 | 3.8 |
| UK Cooling Capacity (sensible) | kW | 2.3 (1.8) | 3.2 (2.0) | 4.1 (3.0) |
| Nominal Heating Capacity (min - max) | kW | 3.5 (0.9 - 5.0) | 4.8 (0.9 - 6.6) | 6.2 (0.9 - 7.6) |
| Nominal Cooling Power Input (min - max) | kW | 0.69 (0.15 - 1.05) | 1.10 (0.15 - 1.28) | 1.99 (0.15 - 2.20) |
| Nominal Heating Power Input (min - max) | kW | 0.94 (0.15 - 1.40) | 1.36 (0.11 - 1.92) | 2.16 (0.15 - 2.70) |
| Seasonal Efficiency SEER ⁽⁴⁾ | | 5.7 | 5.8 | 5.2 |
| Energy Efficiency Class | | A+ | A+ | A |
| Annual Energy Consumption | kWh/yr | 150 | 210 | 340 |
| Seasonal Efficiency SCOP ⁽⁴⁾ (Average Climate) | | 3.8 | 3.8 | 3.8 |
| Energy Efficiency Class | | A | A | A |
| Annual Energy Consumption | kWh/yr | 1,000 | 1,310 | 1,560 |
| Nominal Load Efficiency EER / COP ⁽⁵⁾ | | 3.60 / 3.72 | 3.18 / 3.53 | 2.51 / 2.87 |
| Energy Class (Cool/Heat) | | A / A | B / B | E / D |
| Noise Level Cooling (sound pressure) (SL / L / M / H) ⁽²⁾ | dB(A) | 25/29/32/35 | 26/29/34/39 | 29/32/35/43 |
| Noise Level Heating (sound pressure) (SL / L / M / H) ⁽²⁾ | dB(A) | 27/30/33/36 | 29/32/36/40 | 30/32/36/43 |
| Noise level (sound power) ⁽¹⁾ | dB(A) | 50 | 58 | 58 |
| Air flow cooling mode (SL / L / M / H) | m ³ /h | 330/360/420/480 | 390/420/510/570 | 390/450/510/630 |
| Air flow heating mode (SL / L / M / H) | m ³ /h | 390/420/480/540 | 450/480/510/660 | 450/510/540/690 |
| Dehumidification | l/h | 1.4 | 1.8 | 2.0 |
| Dimensions (H x W x D) | mm | 285x580x580 | 285x580x580 | 285x580x580 |
| Weight | kg | 20.0 | 20.0 | 20.0 |
| Panel dimensions (H x W x D) | | 32x650x650 | 32x650x650 | 32x650x650 |
| Panel weight | | 4.0 | 4.0 | 4.0 |
| Panel reference | | RAI-ECPP | RAI-ECPP | RAI-ECPP |
| Included drain pump | | yes | yes | yes |
| Condensate Pump Lift | mm | | 115 | |
| Power supply | | 35 V DC from outdoor unit | | |
| Drain diameter (ext) | | φ16mm | φ16mm | φ16mm |
| Remote Control (standard) | | Infra red RAR-5E2 | Infra red RAR-5E2 | Infra red RAR-5E2 |

OUTDOOR UNITS

| | | RAC-25NPA | RAC-35NPA | RAC-50NPA |
|--|-------------------|--------------------------|--------------------------|---------------------------|
| Noise level cooling (sound pressure) (night mode) ⁽³⁾ | dB(A) | 46 | 47 | 50 |
| Noise level heating (sound pressure) (night mode) ⁽³⁾ | dB(A) | 46 | 49 | 52 |
| Noise level (sound power) ⁽¹⁾ | dB(A) | 65 | 65 | 65 |
| Air flow (Cooling / Heating) | m ³ /h | 1620 / 1620 | 1620 / 1620 | 2160 / 2160 |
| Dimensions (H x W x D) | mm | 570x750x280 | 570x750x280 | 650x850x298 |
| Weight | kg | 38.0 | 38.0 | 45.0 |
| Piping diameter (Liquid / Gas) | Inch mm | 1/4 - 3/8 6.35 - 9.52 | 1/4 - 3/8 6.35 - 9.52 | 1/4 / 1/2 6.35 - 12.70 |
| Minimum Piping Length | m | 5.0 | 5.0 | 5.0 |
| Maximum Piping Length / Height Difference | m | 20 / 10 | 20 / 10 | 20 / 10 |
| Current Quantity of Refrigerant | kg | 1.15 | 1.15 | 1.40 |
| Chargeless / Additional Refrigerant Charge | m / g/m | 20 / - | 20 / - | 20 / - |
| Power supply | | AC 220-240V/1ph/50Hz | AC 220-240V/1ph/50Hz | AC 220-240V/1ph/50Hz |
| Recommended fuse size | A | 16 | 16 | 16 |
| Starting current | A | 4.2 | 4.2 | 10.0 |
| Running current (cooling / heating) | A | 3.20-2.93 / 4.30-3.96 | 5.05-4.63 / 6.24-5.72 | 9.1-8.37 / 9.87-9.05 |
| Interconnecting Cables | No. | 2 (screened) + E | 2 (screened) + E | 2 (screened) + E |
| Working Range (cooling / heating) | °C | -10°C~43°C / -15°C~-21°C | -10°C~43°C / -15°C~-21°C | -10°C~43°C / -15°C~-21°C |
| Refrigerant / GWP | | R410A / 1975 | R410A / 1975 | R410A / 1975 |
| Compressor type | | Twin Rotary | Twin Rotary | Twin Rotary |

System price includes infra-red remote controller.

(1) Sound power level is the A-weighted sound power level [dB(A)] measured at standard rated conditions for the «cooling» mode operation in accordance to EN12102

(2) Sound pressure level is measured at 0.8m beneath unit and 1.5m from discharge grille in anechoic chamber

(3) Sound pressure level is measured at 1.0m from front face of unit, 1.5m above the ground in anechoic chamber

(4) Data calculated in accordance to prEN14825 and the Commission Communication 2012/C 172/01

(5) Nominal load efficiency (Cooling 35°C/27°C, Heating 7°C/20°C)