

WALL MOUNTED



SCOP
A++

SEER
A+++



WALL MOUNTED

Hitachi offers a wide range of stylish and highly-efficient wall mounted systems suitable for a variety of applications.

COP
4.03



SUMMIT

RAK 18 - 50 PEB _____ pages 30 and 31

COP
4.31



PERFORMANCE

RAK 18 - 50 PPB _____ pages 32 and 33

RAK 60 - 70 PPA _____ pages 32 and 33

COP
4.57



SHIROKUMA

RAK 25 - 50 PXB _____ pages 34 and 35

COP
6.13



S-SERIES

RAK 18 - 35 PSB _____ pages 36 and 37

COP
2.96



UTOPIA ES

RPK 3.0 - 4.0 FSN3M _____ pages 38 and 39

COP
3.15



UTOPIA IVX COMFORT

RPK 3.0 - 4.0 FSN3M _____ pages 40 and 41

COP
3.44



UTOPIA IVX PREMIUM

RPK 2.0 - 4.0 FSN3M _____ pages 42 and 43

WALL MOUNTED

EXCELLENT ENERGY EFFICIENCY



S-SERIES

SCOP
A++

SCOP
4.72

SEER
A+++

SEER
8.50

-20
+21

-10
+43



Functions

ENERGY SAVING SENSOR

(SHIROKUMA and S-SERIES)

STAINLESS CLEAN

Stainless steel components provide increased air purity (SHIROKUMA and S-SERIES)

WASABI FILTER

Deodorising and antibacterial filter (PERFORMANCE and SHIROKUMA)

AUTO-CLEAN

Automatic filter cleaning (S-SERIES)

CONSTANT POWER

Maintains heated output with temperatures as low as -15°C outside (S-SERIES)

REMOTE CONTROL

- Reading fault codes
- Reading the room temperature
- Reading energy consumption
- Functionality changes depending on model.

Design

- Multiple finishes: matte white, glossy finish, brushed aluminium.
- Infra-red remote control.

INFRA-RED
REMOTE CONTROL



SHIROKUMA



WALL MOUNTED



Installation

Discrete, economical and easy to install on the wall or above a door, the wall mounted unit frees up floor space.

Wide range

Nominal cooling output (kW)		2	2.5	3.5	5	5.6	6	7	7.1	10
	SUMMIT <i>(pages 30 and 31)</i>	/	/	/	/					
	PERFORMANCE <i>(pages 32 and 33)</i>	/	/	/	/		/	/		
	SHIROKUMA <i>(pages 34 and 35)</i>		/	/	/					
	S-SERIES <i>(pages 36 and 37)</i>	/	/	/						
	UTOPIA ES <i>(pages 38 and 39)</i>								/	
	UTOPIA IX COMFORT <i>(pages 40 and 41)</i>								/	/
	UTOPIA IX PREMIUM <i>(pages 42 and 43)</i>				/	/			/	/

WALL MOUNTED SUMMIT

SCOP
A

SEER
A+



RAK 18-50PEB

Indoor units

- ✓ Nominal cooling capacities 2.0kW to 5.0kW
- ✓ Nominal heating capacities 2.5kW to 6.0kW
- ✓ High seasonal efficiency achieving up to SEER A+ 5.8/SCOP A+ 3.8
- ✓ 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 WDC3 is required
- ✓ Guaranteed operation in heating mode down to -15°C
- ✓ Heating mode lock suitable for BREEAM assessed buildings where cooling mode might not be accepted or simply where cooling is not required
- ✓ Compact units (280 x 780 x 218) are common across the entire range and allow for easier integration.

* Standard
** Optional



INFRA-RED REMOTE CONTROL*
RAR-5F1



WIRED REMOTE CONTROL**
SPX-RCDB

Remote controllers

- ✓ User-friendly, easy to use infra-red remote control for optimal comfort.



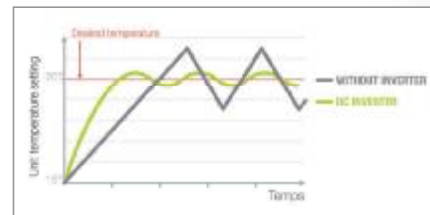
RAC 18-35WEB



RAC 50WEB

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.



RAK 18-50PEB



INDOOR UNITS

		RAK-18PEB	RAK-25PEB	RAK-35PEB	RAK-50PEB
Nominal Cooling Capacity (min - max)	<i>kW</i>	2.00 (0.90 - 2.50)	2.50 (0.90 - 3.10)	3.50 (0.90 - 4.00)	5.00 (1.90 - 5.20)
Sensible Cooling Capacity	<i>kW</i>	1.9	2.2	2.8	3.4
UK Cooling Capacity (sensible)	<i>kW</i>	1.9 (1.7)	2.4 (2.0)	3.3 (2.5)	4.2 (3.1)
Nominal Heating Capacity (min - max)	<i>kW</i>	2.50 (0.90 - 3.20)	3.40 (0.90 - 4.40)	4.20 (0.90 - 5.00)	6.00 (2.2 - 7.30)
Nominal cooling power input (min - max)	<i>kW</i>	0.58 (0.25-1.01)	0.70 (0.25 - 1.29)	1.09 (0.25 - 1.46)	1.56 (0.50 - 2.10)
Nominal heating power input (min - max)	<i>kW</i>	0.62(0.25-0.97)	0.88 (0.25 - 1.25)	1.10 (0.25 - 1.70)	1.66(0.50 - 2.75)
Seasonal Efficiency SEER ⁽⁴⁾		5.8	5.8	5.9	5.9
Energy Efficiency Class		A+	A+	A+	A+
Annual Energy Consumption	<i>kWh/yr</i>	121	151	209	298
Seasonal Efficiency SCOP ⁽⁴⁾ (Average Climate)		3.8	3.8	3.8	3.8
Energy Efficiency Class		A	A	A+	A
Annual Energy Consumption	<i>kWh/yr</i>	316	909	1,124	1,601
Nominal Load Efficiency EER / COP ⁽⁵⁾		3.45/4.03	3.57 / 3.86	3.21 / 3.82	3.21 / 3.61
Energy Class (Cool/Heat)		A / A	A / A	A / A	A / A
Noise level cooling (sound pressure) (SL / L / M / H) ⁽²⁾	<i>dB(A)</i>	21/24/33/37	22/24/33/40	25/26/36/43	28/30/40/46
Noise level heating (sound pressure) (SL / L / M / H) ⁽²⁾	<i>dB(A)</i>	19/22/33/38	20/23/34/41	26/27/36/44	25/30/39/47
Noise level (sound power) ⁽¹⁾	<i>dB(A)</i>	51	54	57	60
Air flow cooling mode (SL / L / M / H)	<i>m³/h</i>	312 / 350 / 400 / 440	333/370/430/510	333/400/485/600	333/450/600/700
Air flow heating mode (SL / L / M / H)	<i>m³/h</i>	312 / 350 / 420 / 480	333/400/500/570	333/520/550/660	433/510/650/770
Dehumidification	<i>l/h</i>	1.2	1.4	1.6	2.0
Dimensions (H x W x D)	<i>mm</i>	280 x 780 x 218	280 x 780 x 218	280 x 780 x 218	280 x 780 x 218
Weight	<i>kg</i>	7.5	7.5	7.5	8.0
Power supply		230V / 1Ph / 50Hz			
Drain diameter (ext)		φ16mm	φ16mm	φ16mm	φ16mm
Remote Control	<i>Std</i>	Infra Red (RAR-5F1)	Infra Red (RAR-5F1)	Infra Red (RAR-5F1)	Infra Red (RAR-5F1)
	<i>Opt</i>	Wired (SPX-RCDB)	Wired (SPX-RCDB)	Wired (SPX-RCDB)	Wired (SPX-RCDB)

OUTDOOR UNITS

		RAC-18WEB	RAC-25WEB	RAC-35WEB	RAC-50WEB
Noise level cooling (sound pressure) (night mode) ⁽³⁾	<i>dB(A)</i>	46	48	49	51
Noise level heating (sound pressure) (night mode) ⁽³⁾	<i>dB(A)</i>	47	49	50	51
Noise level (sound power) ⁽¹⁾	<i>dB(A)</i>	60	62	63	65
Air flow (Cooling / Heating)	<i>m³/h</i>	1860/1620	1860/1620	1860/1620	2160/2160
Dimensions (H x W x D)	<i>mm</i>	530x660 x278	530x660 x278	530x660 x278	600x792x299
Weight	<i>kg</i>	27.5	27.5	27.5	40.0
Piping diameter (Liquid / Gas)	<i>Inch</i> <i>mm</i>	1/4 - 3/8 6.35 - 9.52	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	<i>m</i>	3.0	3.0	3.0	3.0
Maximum Piping Length / Height Difference	<i>m</i>	20 / 10	20 / 10	20 / 10	20 / 10
Current Quantity of Refrigerant	<i>kg</i>	0.95	0.95	0.95	1.25
Chargeless / Additional Refrigerant Charge	<i>m / g/m</i>	20 / -	20 / -	20 / -	20 / -
Power supply		230V / 1Ph / 50Hz	230V / 1Ph / 50Hz	230V / 1Ph / 50Hz	230V / 1Ph / 50Hz
Recommended fuse size	<i>A</i>	16	16	16	25
Starting current	<i>A</i>	3.5	4.7	5.6	7.6
Running current (cooling / heating)	<i>A</i>	1.09-4.39/1.09-4.22	1.09-5.61/1.09-5.43	1.09-6.35/1.09-7.39	2.17-9.13/2.17-11.96
Interconnecting Cables	<i>No.</i>	3 + E	3 + E	3 + E	3 + E
Working Range (cooling / heating)	<i>°C</i>	-10°C~43°C / -15°C~21°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	R410A / 1975
Compressor type		Rotary	Rotary	Rotary	Rotary

(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

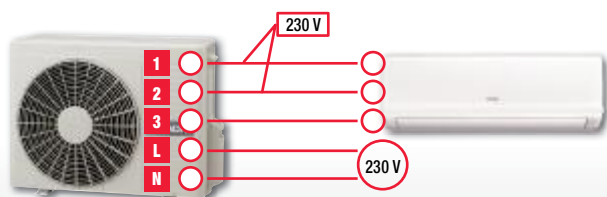
(2) Sound pressure level is measured at 0.8 metre beneath indoor unit 1m from discharge grille in anechoic chamber

(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)

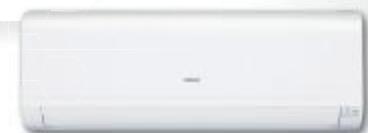
! The indoor units are now to be supplied with 220-230 V from the outside unit.



WALL MOUNTED PERFORMANCE

SCOP
A++

SEER
A++



RAK 35-50PPB



RAK 60PPA



RAK 70PPA

Indoor units

- ✓ Nominal cooling capacities 2.0kW to 7.0kW
- ✓ Nominal heating capacities 2.5kW to 8.0kW
- ✓ High seasonal performance: SCOP A++ 4.6 and SEER A++ 7.6
- ✓ Can be locked in heating only
- ✓ Deodorising and anti-bacterial Wasabi filter
- ✓ 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. Accessories SPX WDC3 or SPX WDC2 are required.

* Standard
** Optional



INFRA-RED REMOTE CONTROL*
RAR-5E2 / 5E2



WIRED REMOTE CONTROL**
SPX-RCDB

Remote controllers

- ✓ Infra-red remote control
- ✓ Possibility of carrying two different weekly schedules (e.g. Summer/Winter) with 6 On/Off's per day
- ✓ New functions:
 - Display ambient temperature
 - Display energy consumption
 - Reading of the fault codes.



RAC 18-25WPB



RAC 35-50WPB



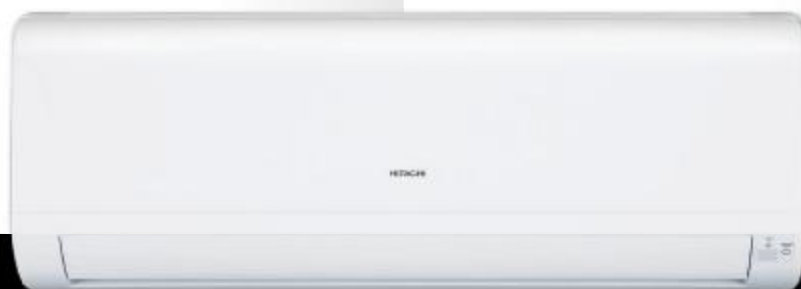
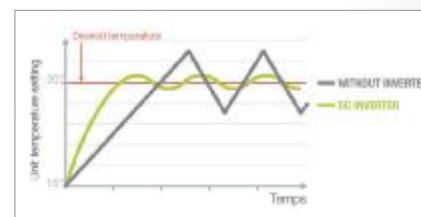
RAC 60WPA



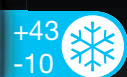
RAC 70WPA

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.



RAK 18-25PPB



INDOOR UNITS

		RAK-18PPB	RAK-25PPB	RAK-35PPB	RAK-50PPB	RAK-60PPA	RAK-70PPA
Nominal Cooling Capacity (min - max)	<i>kW</i>	2.00 (0.90 - 2.50)	2.50 (0.90 - 3.10)	3.50 (0.90 - 4.00)	5.0(0.9 - 5.2)	6.10 (0.9 - 6.5)	7.00 (1.5 - 8.00)
Sensible Cooling Capacity	<i>kW</i>	1.9	2.2	2.7	3.8	4.4	5.4
UK Cooling Capacity (sensible)	<i>kW</i>	1.9 (1.7)	2.4 (2.0)	3.3 (2.5)	4.2 (3.1)	5.3 (4.0)	6.5 (4.8)
Nominal Heating Capacity (min - max)	<i>kW</i>	2.50 (0.90 - 3.20)	3.40 (0.90 - 4.40)	4.20 (0.90 - 5.00)	6.00 (2.2 - 7.30)	6.80 (0.9 - 8.5)	8.00 (1.5 - 9.2)
Nominal cooling power input (min - max)	<i>kW</i>	0.55 (0.25 - 1.01)	0.70 (0.25 - 1.29)	1.09 (0.25 - 1.46)	1.56 (0.50 - 2.10)	1.85 (0.15 - 2.30)	2.17 (0.20 - 2.82)
Nominal heating power input (min - max)	<i>kW</i>	0.58 (0.25 - 0.97)	0.88 (0.25 - 1.25)	1.10 (0.25 - 1.70)	1.66 (0.50 - 2.75)	1.88 (0.12 - 2.55)	2.20 (0.20 - 2.97)
Seasonal Efficiency SEER ⁽⁴⁾		7.0	7.6	7.2	7.2	6.0	6.8
Energy Efficiency Class		A++	A++	A++	A++	A+	A++
Annual Energy Consumption	<i>kWh/yr</i>	100	115	170	243	350	360
Seasonal Efficiency SCOP ⁽⁴⁾ (Average Climate)		4.3	4.4	4.6	4.4	4.0	4.4
Energy Efficiency Class		A+	A+	A++	A+	A+	A+
Annual Energy Consumption	<i>kWh/yr</i>	591	786	928	1,381	1,670	2,060
Nominal Load Efficiency EER / COP ⁽⁵⁾		3.64 / 4.31	3.57 / 3.86	3.21 / 3.82	3.21 / 3.61	3.30 / 3.62	3.23 / 3.64
Energy Class (Cool/Heat)		A / A	A / A	A / A	A / A	A / A	A / A
Noise level cooling (sound pressure) (SL / L / M / H) ⁽²⁾	<i>dB(A)</i>	21/24/33/37	22/24/33/40	25/26/36/43	25/28/39/46	30/33/42/48	30/33/42/47
Noise level heating (sound pressure) (SL / L / M / H) ⁽²⁾	<i>dB(A)</i>	19/22/33/38	20/23/34/41	26/27/36/44	27/31/39/46	33/34/42/49	30/33/42/47
Noise level (sound power) ⁽¹⁾	<i>dB(A)</i>	51	54	57	60	63	61
Air flow cooling mode (SL / L / M / H)	<i>m³/h</i>	312/350/400/440	333/370/430/510	353/420/485/680	353/410/540/750	480/540/690/930	510/630/870/1020
Air flow heating mode (SL / L / M / H)	<i>m³/h</i>	312/350/420/480	333/400/500/570	363/480/570/780	380/500/610/820	480/510/720/1050	510/630/870/1080
Dehumidification	<i>l/h</i>	1.2	1.4	1.6	2.0	2.8	4.5
Dimensions (H x W x D)	<i>mm</i>	280 x 780 x 218	280 x 780 x 218	295 x 900 x 230	295 x 900 x 230	295x1030x207	333x1150x245
Weight	<i>kg</i>	7.5	7.5	10.0	10.0	12.0	15.0
Power supply		230V / 1Ph / 50Hz				35V DC & 230V , 1Ph , 50Hz	
Drain diameter (ext)		φ16mm	φ16mm	φ16mm	φ16mm	φ16mm	φ16mm
Remote Control	<i>Std</i>	Infra Red (RAR-5E2)	Infra Red (RAR-5E2)	Infra Red (RAR-5E1)	Infra Red (RAR-5E1)	Infra Red (RAR-5E2)	Infra Red (RAR-5E1)
	<i>Opt</i>	Wired (SPX-RCDB)	Wired (SPX-RCDB)	Wired (SPX-RCDB)	Wired (SPX-RCDB)	Wired (SPX-RCDB)	Wired (SPX-RCDB)

OUTDOOR UNITS

		RAC-18WPB	RAC-25WPB	RAC-35WPB	RAC-50WPB	RAC-60WPA	RAC-70WPA
Noise level cooling (sound pressure) (night mode) ⁽³⁾	<i>dB(A)</i>	46	48	49	51	50	52
Noise level heating (sound pressure) (night mode) ⁽³⁾	<i>dB(A)</i>	47	49	50	51	53	54
Noise level (sound power) ⁽¹⁾	<i>dB(A)</i>	60	62	63	65	66	67
Air flow (Cooling / Heating)	<i>m³/h</i>	1860/1620	1860/1620	1920/1620	2160/2160	2160/2160	2820/2820
Dimensions (H x W x D)	<i>mm</i>	530x660 x278	530x660 x278	548x750x288	600x792x299	650x850x298	800x850x298
Weight	<i>kg</i>	27.5	27.5	34.0	40.0	45.0	55.0
Piping diameter (Liquid / Gas)	<i>Inch</i>	1/4 - 3/8	1/4 - 3/8	1/4 - 3/8	1/4 - 1/2	1/4 - 1/2	1/4 - 5/8
	<i>mm</i>	6.35 - 9.52	6.35 - 9.52	6.35 - 9.52	6.35 - 12.70	6.35 - 12.70	6.35 - 15.88
Minimum Piping Length	<i>m</i>	3.0	3.0	3.0	3.0	3.0	3.0
Maximum Piping Length / Height Difference	<i>m</i>	20 / 10	20 / 10	20 / 10	20 / 10	30 / 20	30 / 20
Current Quantity of Refrigerant	<i>kg</i>	0.95	0.95	1.05	1.25	1.65	1.85
Chargeless / Additional Refrigerant Charge	<i>m / g/m</i>	20 / -	20 / -	20 / -	20 / -	30 / -	30 / -
Power supply		230V / 1Ph / 50Hz	230V / 1Ph / 50Hz	230V / 1Ph / 50Hz	230V / 1Ph / 50Hz	230V / 1Ph / 50Hz	230V / 1Ph / 50Hz
Recommended fuse size	<i>A</i>	16	16	16	25	25	32
Starting current	<i>A</i>	3.5	4.6	5.5	7.9	8.5	10.0
Running current (cooling / heating)	<i>A</i>	1.09-4.39/1.09-4.22	1.09-5.61/1.09/5.43	1.09-6.35/1.09/7.39	2.17-9.13/2.17-11.96	7.80 / 7.90	9.10 / 9.30
Interconnecting Cables	<i>No.</i>	3 + E	3 + E	3 + E	3 + E	2(Screened) + 2 + E	2(Screened) + 2 + E
Working Range (cooling / heating)	<i>°C</i>	-10°C~43°C / -15°C~21°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	-10°C~43°C / -15°C~21°C	-10°C~43°C / -15°C~21°C
Refrigerant / GWP		R410A / 1975	R410A / 1975	R410A / 1975	R410A / 1975	R410A / 1975	R410A / 1975
Compressor type		Rotary	Rotary	Rotary	Rotary	Twin Rotary	Twin Rotary

(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

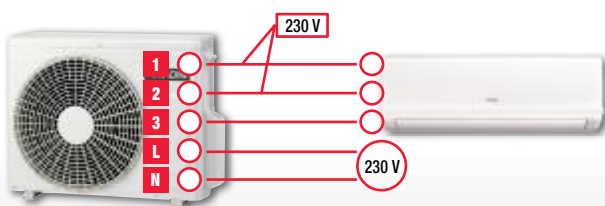
(2) Sound pressure level is measured at 0.8 metre beneath indoor unit 1m from discharge grille in anechoic chamber

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

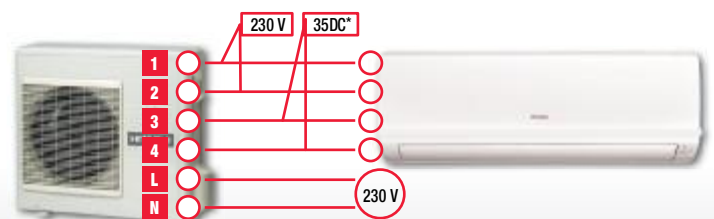
(4) Data calculated in accordance to prEN14825 and the Commission Communication 2012/C 172/01

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

! The indoor units are now to be supplied with 220-230 V from the outside unit.



*Applies to RAC 18-50WPB only



*Applies to RAC 60-70WPA

WALL MOUNTED SHIROKUMA

SCOP
A++

SEER
A+++



RAK 25-50PXB

Indoor units

- ✓ Nominal cooling capacities
2.5kW to 5.0kW
- ✓ Nominal heating capacities
3.2kW to 5.8kW
- ✓ High seasonal performance:
SCOP A++ 4.7 and SEER A+++ 8.5
- ✓ Stainless clean.
The components in the indoor unit
(including filter) are stainless steel for
greater air purity
- ✓ Energy saving sensor.
The operation of the unit changes
according to the presence or
absence of persons in the room
- ✓ Deodorising and anti-bacterial
Wasabi filter
- ✓ 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
windowswitch, specifically useful in
hotel rooms to prevent unnecessary
use. Accessory SPX WDC3
is required.

* Standard
** Optional



INFRA-RED REMOTE
CONTROL*
RAR-5E1



WIRED REMOTE
CONTROL**
SPX-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
- ✓ Can be locked in heating only.



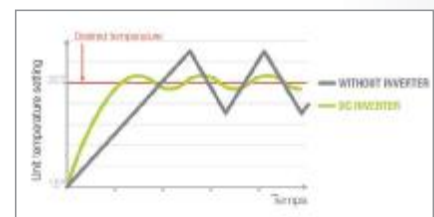
RAC 25-35WXB



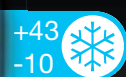
RAC 50WXB

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.



RAK 25-50PXB



INDOOR UNITS

		RAK-25PXB	RAK-35PXB	RAK-50PXB
Nominal Cooling Capacity (min - max)	<i>kW</i>	2.5 (0.9 - 3.1)	3.5 (0.9 - 4.0)	5.00 (1.90 - 5.20)
Cooling Sensible Capacity	<i>kW</i>	2.3	3.0	3.7
UK Cooling Capacity (sensible)	<i>kW</i>	2.2 (2.0)	2.7 (2.4)	4.3 (2.8)
Nominal Heating Capacity (min - max)	<i>kW</i>	3.20 (0.90 - 4.20)	4.00 (0.90 - 4.80)	5.80 (2.2 - 7.00)
Nominal Cooling Power Input (min - max)	<i>kW</i>	0.545 (0.25 - 1.22)	0.910 (0.25 - 1.40)	1.560 (0.50 - 2.10)
Nominal Heating Power Input (min - max)	<i>kW</i>	0.700(0.25 - 1.20)	0.955(0.25 - 1.60)	1.560(0.50 - 2.70)
Seasonal Efficiency SEER ⁽⁴⁾		8.5	8.5	7.2
Energy Efficiency Class		A+++	A+++	A++
Annual Energy Consumption	<i>kWh/yr</i>	103	144	243
Seasonal Efficiency SCOP ⁽⁴⁾ (Average Climate)		4.7	4.7	4.5
Energy Efficiency Class		A++	A++	A+
Annual Energy Consumption	<i>kWh/yr</i>	691	860	1,309
Nominal Load Efficiency EER / COP ⁽⁵⁾		4.59/4.57	3.85/4.19	3.21/3.72
Energy Class (Cool/Heat)		A / A	A / A	A / A
Noise Level Cooling (sound pressure) (SL / L / M / H) ⁽²⁾	<i>dB(A)</i>	20/26/32/40	22/29/35/42	25/31/39/47
Noise Level Heating (sound pressure) (SL / L / M / H) ⁽²⁾	<i>dB(A)</i>	20/27/33/40	22/30/35/42	25/31/39/48
Noise level (sound power) ⁽¹⁾	<i>dB(A)</i>	55	60	60
Air flow cooling mode (SL / L / M / H)	<i>m³/h</i>	300/330/510/560	320/340/430/580	350/400/580/720
Air flow heating mode (SL / L / M / H)	<i>m³/h</i>	290/370/560/610	310/360/480/630	350/420/620/800
Dehumidification	<i>l/h</i>	1.4	1.6	2.0
Dimensions (H x W x D)	<i>mm</i>	295 x 900 x 210	295 x 900 x 210	295 x 900 x 210
Weight	<i>kg</i>	11	11	11
Power Supply		230V / 1Ph / 50Hz		
Drain Diameter (ext.)		φ16mm	φ16mm	φ16mm
Remote Control	<i>Std</i>	Infra-Red (RAR-5E1)	Infra-Red (RAR-5E1)	Infra-Red (RAR-5E1)
	<i>Opt</i>	Wired (SPX-RCDB)	Wired (SPX-RCDB)	Wired (SPX-RCDB)

OUTDOOR UNITS

		RAC-25WXB	RAC-35WXB	RAC-50WXB
Noise level cooling (sound pressure) (night mode) ⁽³⁾	<i>dB(A)</i>	46	47	51
Noise level heating (sound pressure) (night mode) ⁽³⁾	<i>dB(A)</i>	47	49	51
Noise level (sound power) ⁽¹⁾	<i>dB(A)</i>	60	61	65
Air flow (Cooling / Heating)	<i>m³/h</i>	1860 / 1620	1920 / 1620	2160 / 2160
Dimensions (H x W x D)	<i>mm</i>	548×750×288	548×750×288	736×800×350
Weight	<i>kg</i>	34.0	34.0	49.5
Piping diameter (Liquid / Gas)	<i>Inch</i> <i>mm</i>	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	<i>m</i>	3.0	3.0	3.0
Maximum Piping Length / Height Difference	<i>m</i>	20 / 10	20 / 10	30 / 10
Current Quantity of Refrigerant	<i>kg</i>	1.08	1.17	1.35
Chargeless / Additional Refrigerant Charge	<i>m / g/m</i>	20 / -	20 / -	30 / -
Power supply		230V / 1Ph / 50Hz	230V / 1Ph / 50Hz	230V / 1Ph / 50Hz
Recommended fuse size	<i>A</i>	16	16	25
Starting current	<i>A</i>	3.68/3.85	4.72/4.93	7.12/7.45
Running current (cooling / heating)	<i>A</i>	1.09-5.30/1.09-5.22	1.09-6.09/1.09-6.96	2.17-9.13/2.17-11.74
Interconnecting Cables	<i>No.</i>	3 + E	3 + E	3 + E
Working Range (cooling / heating)	<i>°C</i>	-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		Rotary	Rotary	Rotary

(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

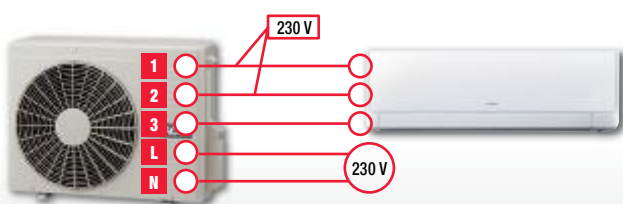
(2) Sound pressure level is measured at 0.8 metre beneath indoor unit 1m from discharge grille in anechoic chamber.

(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)

! The indoor units are now to be supplied with 220-230 V from the outside unit.



WALL MOUNTED S-SERIES

SCOP
A++

SEER
A+++



RAK 18-35PSB

Indoor units

- ✓ Nominal cooling capacities
1.8kW to 3.5kW
- ✓ Nominal heating capacities
2.3kW to 4.0kW
- ✓ Seasonal high performance:
SCOP A++ 4.7 and SEER A+++ 8.5
- ✓ Stainless clean.
The components in the indoor unit (including filter) are stainless steel for greater air purity
- ✓ Energy saving sensor.
The operation of the unit changes according to the presence or absence of persons in the room
- ✓ 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 WDC3 is required.

* Standard
** Optional



INFRA-RED REMOTE CONTROL*
RAR-5W1



WIRED REMOTE CONTROL**
SPX-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
- ✓ Can be locked in heating only.



COP
6.13

RAC 18-35WSB

Outdoor units

- ✓ Maintains a heated output up to -15°C: optimum comfort even during the coldest periods



RAK 18-35PSB



INDOOR UNITS

		RAK-18PSB	RAK-25PSB	RAK-35PSB
Nominal Cooling Capacity (min - max)	<i>kW</i>	1.8 (0.5 - 2.8)	2.5 (0.5 - 3.4)	3.5 (0.5 - 4.1)
Cooling Sensible Capacity	<i>kW</i>	1.8	2.2	2.7
UK Cooling Capacity (sensible)	<i>kW</i>	1.9 (1.7)	2.7 (2.4)	4.3 (2.8)
Nominal Heating Capacity (min - max)	<i>kW</i>	2.3(0.6 - 4.8)	3.2(0.6 - 5.8)	4.0(0.6 - 6.6)
Nominal cooling power input (min - max)	<i>kW</i>	0.300 (0.070-0.880)	0.470 (0.070-0.960)	0.805 (0.070-1.350)
Nominal heating power input (min - max)	<i>kW</i>	0.375 (0.065-1.620)	0.57 (0.06 - 1.41)	0.79 (0.06 - 1.49)
Seasonal Efficiency SEER ⁽⁴⁾		7.41	8.5	8.5
Energy Efficiency Class		A++	A+++	A+++
Annual Energy Consumption	<i>kWh/yr</i>	85	103	144
Seasonal Efficiency SCOP ⁽⁴⁾ (Average Climate)		4.6	4.7	4.7
Energy Efficiency Class		A++	A++	A++
Annual Energy Consumption	<i>kWh/yr</i>	588	802	896
Nominal Load Efficiency EER / COP ⁽⁵⁾		6.00 / 6.13	5.32 / 5.61	4.35 / 5.06
Energy Class (Cool/Heat)		A / A	A / A	A / A
Noise Level Cooling (sound pressure) (SL / L / M / H) ⁽²⁾	<i>dB(A)</i>	22/28/34/40	22/28/34/42	23/28/34/44
Noise Level Heating (sound pressure) (SL / L / M / H) ⁽²⁾	<i>dB(A)</i>	22/30/34/41	22/30/34/42	23/30/34/44
Noise level (sound power) ⁽¹⁾	<i>dB(A)</i>	54	56	58
Air flow cooling mode (SL / L / M / H)	<i>m³/h</i>	260/300/420/470	260/320/420/510	270/320/420/520
Air flow heating mode (SL / L / M / H)	<i>m³/h</i>	260/300/420/540	260/370/520/600	270/410/520/610
Dehumidification	<i>l/h</i>	1.2	1.4	1.6
Dimensions (H x W x D)	<i>mm</i>	295x798x258	295x798x258	295x798x258
Weight	<i>kg</i>	12.0	12.0	12.0
Power Supply		220-230V		
Drain Diameter (ext.)		φ16mm	φ16mm	φ16mm
Remote Control	<i>Std</i>	Infra Red (RAR-5W1)	Infra Red (RAR-5W1)	Infra Red (RAR-5W1)
	<i>Opt</i>	Wired (SPX-RCDB)	Wired (SPX-RCDB)	Wired (SPX-RCDB)

OUTDOOR UNITS

		RAC-18WSB	RAC-25WSB	RAC-35WSB
Noise level cooling (sound pressure) (night mode) ⁽³⁾	<i>dB(A)</i>	46	48	49
Noise level heating (sound pressure) (night mode) ⁽³⁾	<i>dB(A)</i>	46	48	49
Noise level (sound power) ⁽¹⁾	<i>dB(A)</i>	60	62	63
Air flow (Cooling / Heating)	<i>m³/h</i>	1860 / 1620	1860 / 1620	1920 / 1620
Dimensions (H x W x D)	<i>mm</i>	600x792x299	600x792x299	600x792x299
Weight	<i>kg</i>	40	40	40
Piping diameter (Liquid / Gas)	<i>Inch</i> <i>mm</i>	1/4 / 1/2 6.35 - 12.70	1/4 / 1/2 6.35 - 12.70	1/4 / 1/2 6.35 - 12.70
Minimum Piping Length	<i>m</i>	3	3	3
Maximum Piping Length / Height Difference	<i>m</i>	20 / 10	20 / 10	20 / 10
Current Quantity of Refrigerant	<i>kg</i>	1.35	1.35	1.35
Chargeless / Additional Refrigerant Charge	<i>m / g/m</i>	20 / -	20 / -	20 / -
Power supply		230V / 1Ph / 50Hz	230V / 1Ph / 50Hz	230V / 1Ph / 50Hz
Recommended fuse size	<i>A</i>	25	25	25
Starting current (Cooling/Heating)	<i>A</i>	2.32/2.42	3.37/3.53	4.67/4.88
Running current (Cooling / Heating)	<i>A</i>	0.30-3.83/0.28-7.04	0.30-4.17/0.28-9.78	0.30-5.87/0.28-10.65
Interconnecting Cables	<i>No.</i>	3 + E	3 + E	3 + E
Working Range (cooling / heating)	<i>°C</i>	-10°C~43°C / -20°C~21°C	-10°C~43°C / -20°C~21°C	-10°C~43°C / -20°C~21°C
Refrigerant / GWP		R410A / 1975	R410A / 1975	R410A / 1975
Compressor type		Scroll	Scroll	Scroll

(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

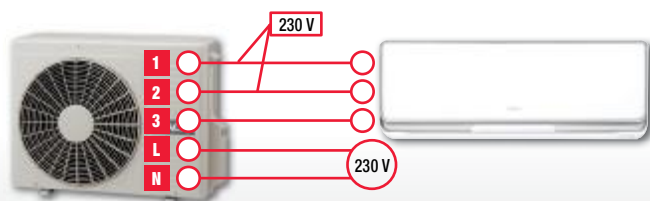
(2) Sound pressure level is measured at 0.8 metre beneath indoor unit 1m from discharge grille in anechoic chamber

(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)

! The indoor units are now to be supplied with 220-230 V from the outside unit.



WALL MOUNTED UTOPIA ES

SEER
A

SCOP
B



RPK 3.0FSN(H)3M



PC ARF



PC ART



RAS 3HVRNS3

Indoor units

- ✓ Nominal cooling capacity 7.1kW
- ✓ Nominal heating capacity 8.0kW
- ✓ Low consumption motor
- ✓ Modern sleek design
- ✓ Ideal for offices and shops
- ✓ Automatic restart
- ✓ Easily accessible filters
- ✓ Built-in infra-red receiver.

Remote controllers

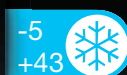
- ✓ Advanced PC-ARF wired LED controller (inc. 7-day time clock)
 - 5 time ranges with different temperatures (reduced, weekly, holiday etc)
 - Service menu and optional function menus, *add your contact details to be shown when there is an error*
- ✓ Standard PC-ART wired remote controller (inc. 7-day time clock)
 - 4 programmable weekly schedules
 - Service menu, optional function menu and fault diagnostic
- ✓ Alternative option: infra-red or simplified remote control - see pages 238-239.

Outdoor units

- ✓ Compact design – single fan
- ✓ Available in single phase



RPK 3.0FSN(H)3M



SYSTEM
FREE

INDOOR UNITS

		RPK 3.0FSN3M
Nominal Cooling Capacity (min - max) ⁽¹⁾	<i>kW</i>	7.1 (3.2 - 8.0)
Nominal Heating Capacity (min - max) ⁽²⁾	<i>kW</i>	8.0 (3.5 - 10.6)
UK Cooling Capacity (sensible) ⁽³⁾	<i>kW</i>	7.4 (5.5)
Seasonal Efficiency SEER ⁽⁴⁾		4.66
Energy Efficiency Class		B
Seasonal Efficiency SCOP ⁽⁴⁾ (Average Climate)		3.81
Energy Efficiency Class		A
Nominal Load Efficiency EER / COP ⁽⁵⁾		2.81 / 2.93
Energy Class (Cool/Heat)		D / D
Noise Level (sound pressure) L / M / H / H1* ⁽⁶⁾ (SP-00)	<i>dB(A)</i>	36/40/43
Noise level (sound power) ⁽⁶⁾ (SP-00)	<i>dB(A)</i>	59
Air flow cooling mode (L / M / H / H1*)	<i>m³/h</i>	720/840/1020
Dimensions (H x W x D)	<i>mm</i>	333x1150x245
Weight	<i>kg</i>	18
Included Condensate Pump		No
Drain Diameter (ext)		φ20mm
Piping Diameter (Liquid / Gas)	<i>Inch</i> <i>mm</i>	3 x 0.75 3/8 - 5/8
Power Input	<i>w</i>	40
Power supply		230V / 1Ph / 50Hz
Recommended fuse size	<i>A</i>	5
Remote Controller		PC ART (PC ARF infra-red and simplified model optional)

* Four fan speeds only available with PC-ARF wired controller or PC-LH3B infra-red controller

OUTDOOR UNITS

		RAS 3HVRNS3
Power supply (10/30)		230V / 1Ph / 50Hz
Noise level cooling (sound pressure) (night mode) ⁽⁷⁾	<i>dB(A)</i>	48 (46)
Noise level heating (sound pressure) ⁽⁷⁾	<i>dB(A)</i>	50
Noise level (sound power) ⁽⁸⁾	<i>dB(A)</i>	66
Air flow (Cooling / Heating)	<i>m³/h</i>	2682
Dimensions (H x W x D)	<i>mm</i>	600x792x300
Weight	<i>kg</i>	44
Piping diameter (Liquid / Gas)	<i>Inch</i> <i>mm</i>	3/8 / 5/8 9.53 / 15.88
Minimum Piping Length	<i>m</i>	5
Maximum Piping Length / Height Difference	<i>m</i>	50 / 30
Current Quantity of Refrigerant	<i>kg</i>	1.90
Chargeless / Additional Refrigerant Charge	<i>m / g/m</i>	30 / 50
Recommended fuse size - 1Ph/3Ph	<i>A</i>	25/-
Starting current (10/30)	<i>A</i>	<10
Running current (cooling / heating) 1Ph (3Ph)	<i>A</i>	10.0 / 8.8 (-/-)
Interconnecting Cables	<i>No.</i>	LNE + 2 core screened
Working Range (cooling / heating)	<i>°C</i>	-5°C~-43(db)°C / -20(wb)°C~-15(wb)°C
Refrigerant / GWP		R410a / 1975
Compressor type		Scroll

(1) Nominal Cooling: Internal temperature 27°C db (19°C wb) - Ambient 35°C

(2) Nominal Heating: Internal temperature 20°C - Ambient 7°C db (6°C wb)

(3) UK Cooling: Internal Temperature 23°C db (16°C wb) - Ambient 30°C

(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)

(6) Sound pressure level is measured at 1.0m below the unit and 1.0m from the discharge louvre (Measured in an anechoic chamber)

(7) Sound pressure level is measured at 1.0m from the unit front surface and 1.5m from floor level (Measured in an anechoic chamber)

(8) 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

WALL MOUNTED UTOPIA IVX COMFORT

SCOP
A

SEER
A



RPK 3.0 - 4.0FSN(H)3M



PC ARF



PC ART



RAS 3HVNC1



RAS 4H(V)NC1E

Indoor units

- /// Nominal cooling capacities
7.1kW to 10.0kW
- /// Nominal heating capacities
8.0kW to 11.2kW
- /// Low consumption motor
- /// Modern sleek design
- /// Ideal for offices and shops
- /// Automatic restart
- /// Easily accessible filters
- /// Built-in infra-red receiver.

Remote controllers

- /// Advanced PC-ARF wired LED controller (inc. 7-day time clock)
 - 5 time ranges with different temperatures (reduced, weekly, holiday etc)
 - Service menu and optional function menus, *add your contact details to be shown when there is an error*
- /// Standard PC-ART wired remote controller (inc. 7-day time clock)
 - 4 programmable weekly schedules
 - Service menu, optional function menu and fault diagnostic
- /// Alternative option: infra-red or simplified remote control - see pages 238-239.

Outdoor units

- /// Compact design - single fan
- /// Fully ErP compliant with 'A rated' seasonal efficiency
- /// Available in single phase and three phase



RPK 3.0 - 4.0FSN(H)3M



SYSTEM
FREE

WALL MOUNTED UTOPIA IX COMFORT

INDOOR UNITS

		RPK 3.0FSN3M	RPK 4.0FSN3M
Nominal Cooling Capacity (min - max) ⁽¹⁾	kW	7.1 (3.2 - 8.0)	10 (4.5 - 11.2)
Nominal Heating Capacity (min - max) ⁽²⁾	kW	8.0 (3.5 - 10.6)	11.2 (5.0 - 14.0)
UK Cooling Capacity (sensible) ⁽³⁾	kW	7.7 (5.7)	10.6 (7.3)
Seasonal Efficiency SEER ⁽⁴⁾		5.35	5.56
Energy Efficiency Class		A	A
Seasonal Efficiency SCOP ⁽⁴⁾ (Average Climate)		3.80	3.83
Energy Efficiency Class		A	A
Nominal Load Efficiency EER / COP ⁽⁵⁾		2.69 / 2.93	2.15 / 3.15
Energy Class (Cool/Heat)		D / D	E / D
Noise Level (sound pressure) (L / M / H / H1*) ⁽⁶⁾ (SP-00)	dB(A)	36/40/43	41/46/49
Noise level (sound power) ⁽⁸⁾ (SP-00)	dB(A)	59	64
Air flow cooling mode (L / M / H / H1*)	m ³ /h	720/840/1020	900/1020/1140
Dimensions (H x W x D)	mm	333x1150x245	333x1150x245
Weight	kg	18	18
Included Condensate Pump		No	No
Drain Diameter (ext)		φ20mm	φ20mm
Piping Diameter (Liquid / Gas)	Inch mm	3/8 / 5/8 9.53 / 15.88	3/8 / 5/8 9.53 / 15.88
Power Input	w	40	40
Power supply		230V / 1Ph / 50Hz	230V / 1Ph / 50Hz
Recommended fuse size	A	5	5
Remote Controller		PC ART (PC ARF infra-red and simplified model optional)	

* Four fan speeds only available with PC-ARF wired controller or PC-LH3B infra-red controller

OUTDOOR UNITS

		RAS 3H(V)NC1	RAS 4H(V)NC1E
Power supply (1Ø/3Ø)		230V / 1Ph / 50Hz	(230V / 1Ph / 50Hz) - 400V / 3Ph / 50Hz
Noise level cooling (sound pressure) (night mode) ⁽⁷⁾	dB(A)	48 (46)	52 (50)
Noise level heating (sound pressure) ⁽⁷⁾	dB(A)	50	54
Noise level (sound power) ⁽⁸⁾	dB(A)	66	68
Air flow (Cooling / Heating)	m ³ /h	2682	3720
Dimensions (H x W x D)	mm	600 x 792 x 300	1140 x 950 x 370
Weight	kg	44	79
Piping diameter (Liquid / Gas)	Inch mm	3/8 / 5/8 9.53 / 15.88	3/8 / 5/8 9.53 / 15.88
Minimum Piping Length	m	5	5
Maximum Piping Length / Height Difference	m	50 / 30	70 / 30
Current Quantity of Refrigerant	kg	1.9	3.2
Recommended fuse size	A	20	32 / 16
Starting current (1Ø/3Ø)	A	<10	<10
Running current (cooling / heating) (1Ø/3Ø)	A	9.4/8.3	11.2/10.1 (4.1 / 3.7)
Interconnecting Cables	No.	LNE + 2 core screened	
Working Range (cooling / heating)	°C	-5°C~-46(db)°C/ -20(wb)°C~-15(wb)°C	
Refrigerant / GWP		R410a / 1975	R410a / 1975
Compressor type		Scroll	Scroll

(1) Nominal Cooling: Internal temperature 27°C db (19°C wb) - Ambient 35°C

(2) Nominal Heating: Internal temperature 20°C - Ambient 7°C db (6°C wb)

(3) UK Cooling: Internal Temperature 23°C db (16°C wb) - Ambient 30°C

(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)

(6) Sound pressure level is measured at 1.0m below the unit and 1.0m from the discharge louvre (Measured in an anechoic chamber)

(7) Sound pressure level is measured at 1.0m from the unit front surface and 1.5m from floor level (Measured in an anechoic chamber)

(8) 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

WALL MOUNTED UTOPIA IVX PREMIUM

SEER
A+

SCOP
A++



RPK 2.0 - 4.0FSN(H)3M

Indoor units

- ✓ Nominal cooling capacities 5.0kW to 10.0kW
- ✓ Nominal heating capacities 5.6kW to 11.2kW
- ✓ Low consumption motor
- ✓ Ideal for offices and shops
- ✓ Automatic restart
- ✓ Easily accessible filters
- ✓ Built-in infra-red receiver.



PC ARF



PC ART

Remote controllers

- ✓ Advanced PC-ARF wired LED controller (inc. 7-day time clock)
 - 5 time ranges with different temperatures (reduced, weekly, holiday etc)
 - Service menu and optional function menus, *add your contact details to be shown when there is an error*
- ✓ Standard PC-ART wired remote controller (inc. 7-day time clock)
 - 4 programmable weekly schedules
 - Service menu, optional function menu and fault diagnostic
- ✓ Alternative option: infra-red or simplified remote control - see pages 238-239.



RAS 2-2.5HVNP1



RAS 3HVNP1E

RAS 4H(V)NP1E

Outdoor units

- ✓ New DC inverter compressor for improved low-speed and part-load seasonal performance
- ✓ SCOP of up to 4.14 A+ rating and SEER of up to 6.81 A++ rating
- ✓ Adjust temperature settings according to occupancy and external environmental conditions to save on energy.



RPK 2.0 - 4.0FSN(H)3M



SYSTEM
FREE

WALL MOUNTED UTOPIA IVX PREMIUM

INDOOR UNITS

		RPK 2.0FSN3M	RPK 2.5FSN3M	RPK 3.0FSN3M	RPK 4.0FSN3M
Nominal Cooling Capacity (min - max) ⁽¹⁾	<i>kW</i>	5.00 (2.20 - 5.60)	5.60 (2.20 - 6.30)	7.1 (3.2 - 8.0)	10 (4.5 - 11.2)
Nominal Heating Capacity (min - max) ⁽²⁾	<i>kW</i>	5.60 (2.20 - 7.10)	6.30 (2.20 - 8.00)	8.0 (3.5 - 10.6)	11.2 (5.0 - 14.0)
UK Cooling Capacity (sensible) ⁽³⁾	<i>kW</i>	5.3 (3.7)	5.9 (4.2)	7.7 (5.7)	10.6 (7.3)
Seasonal Efficiency SEER ⁽⁴⁾		5.47	5.25	6.40	6.81
Energy Efficiency Class		A	A	A++	A++
Seasonal Efficiency SCOP ⁽⁴⁾ (Average Climate)		4.01	4.14	3.91	3.81
Energy Efficiency Class		A+	A+	A	A
Nominal Load Efficiency EER / COP ⁽⁵⁾		2.92 / 3.21	2.97 / 3.16	3.32 / 3.37	3.64 / 3.44
Energy Class (Cool/Heat)		C / D	C / D	A / B	A / A
Noise Level (sound pressure) (L / M / H / H1*) ⁽⁶⁾ (SP-00)	<i>dB(A)</i>	33/38/40/42	36/40/43/49	36/40/43/49	41/46/49/51
Noise level (sound power) (SP-00)	<i>dB(A)</i>	56	59	59	64
Air flow cooling mode (L / M / H / H1*)	<i>m³/h</i>	600/780/840/900	720/840/1020/1140	720/840/1020/1140	900/1020/1140/1320
Dimensions (H x W x D)	<i>mm</i>	333x1150x245	333x1150x245	333x1150x245	333x1150x245
Weight	<i>kg</i>	17	18	18	18
Included Condensate Pump		No	No	No	No
Drain Diameter (ext)		φ20mm	φ20mm	φ20mm	φ20mm
Piping Diameter (Liquid / Gas)	<i>Inch</i> <i>mm</i>	1/4 / 5/8 6.35 / 15.88	3/8 / 5/8 9.53 / 15.88	3/8 / 5/8 9.53 / 15.88	3/8 / 5/8 9.53 / 15.88
Power Input	<i>w</i>	40	40	40	40
Power supply		230V / 1Ph / 50Hz	230V / 1Ph / 50Hz	230V / 1Ph / 50Hz	230V / 1Ph / 50Hz
Recommended fuse size	<i>A</i>	5	5	5	5
Remote Controller		Wired PC ARF (simplified, PC ART and infra-red models are optional)			

* Four fan speeds only available with PC-ARF wired controller or PC-LH3B infra-red controller

OUTDOOR UNITS

		RAS 2HVN1	RAS 2.5HVN1	RAS 3HVN1	RAS 4H(V)NP1E
Power supply (10/30)		230V / 1Ph / 50Hz	230V / 1Ph / 50Hz	230V / 1Ph / 50Hz	(230V / 1Ph / 50Hz) 400V / 3Ph / 50Hz
Noise level cooling (sound pressure) (night mode) ⁽⁷⁾	<i>dB(A)</i>	44 (42)	45 (43)	46 (42)	47 (43)
Noise level heating (sound pressure) ⁽⁷⁾	<i>dB(A)</i>	46	47	48	49
Noise level (sound power) ⁽⁸⁾	<i>dB(A)</i>	62	63	63	63
Air flow (Cooling / Heating)	<i>m³/h</i>	2436	2436	2700	4800
Dimensions (H x W x D)	<i>mm</i>	600 x 792 x 300	600 x 792 x 300	800 x 950 x 370	1380 x 950 x 370
Weight	<i>kg</i>	41	41	66	103
Piping diameter (Liquid / Gas)	<i>Inch</i> <i>mm</i>	1/4 / 1/2 6.35 / 12.7	1/4 / 1/2 6.35 / 12.7	3/8 / 5/8 9.53 / 15.88	3/8 / 5/8 9.53 / 15.88
Minimum Piping Length	<i>m</i>	5	5	5	5
Maximum Piping Length / Height Difference	<i>m</i>	50 / 30	50 / 30	50 / 30	75 / 30
Current Quantity of Refrigerant	<i>kg</i>	1.6	1.6	2.3	4.1
Chargeless / Additional Refrigerant Charge	<i>m / g/m</i>	30 / 30	30 / 30	30 / 40	30 / 60
Recommended fuse size	<i>A</i>	16	20	20	32 / 16
Starting current (10/30)	<i>A</i>	<10	<10	<10	<10
Running current (cooling / heating) (10/30)	<i>A</i>	5.1/4.9	5.4/5.7	6.4/6.7	(8.7/8.9) 3.2/3.2
Interconnecting Cables	<i>No.</i>	LNE + 2 core screened			
Working Range (cooling / heating)	<i>°C</i>	-5°C~46(db)°C/ -20(wb)°C~15(wb)°C			
Refrigerant / GWP		R410a / 1975	R410a / 1975	R410a / 1975	R410a / 1975
Compressor type		Scroll	Scroll	Rotary	Scroll

(1) Nominal Cooling: Internal temperature 27°C db (19°C wb) - Ambient 35°C

(2) Nominal Heating: Internal temperature 20°C - Ambient 7°C db (6°C wb)

(3) UK Cooling: Internal Temperature 23°C db (16°C wb) - Ambient 30°C

(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)

(6) Sound pressure level is measured at 1.0m below the unit and 1.0m from the discharge louvre (Measured in an anechoic chamber)

(7) Sound pressure level is measured at 1.0m from the unit front surface and 1.5m from floor level (Measured in an anechoic chamber)

(8) 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