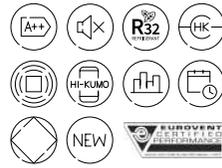# Light Commercial Cassette

High performance control options

Condensate pump included

The LC cassette is fitted with its own pump to automatically remove condensate liquid. No need to purchase additionally. (Fig. 1)

First-class energy efficiency

Lower energy consumption thanks to its A++ energy rating.* Use your air conditioning while barely noticing its effect on your electricity bill. *check model

Enhanced comfort

This system allows us to choose where to measure the setpoint temperature (in the control, in the return, or the average of both values). This feature ensures enhanced comfort in the room.

Flexible installation

There is up to 30 m of cooling pipe between the indoor and outdoor units, meaning the system can be installed almost anywhere in the building. Furthermore, the height difference between them can reach up to 20 m.

Compatible with Hi-Kumo Wi-Fi control

This control can be used to turn the unit on or off, increase or decrease the temperature, or programme the system from anywhere in the world. All you need is a mobile phone, internet connection and Wi-Fi equipment (optional) to connect to the air unit.

Individual louvre control

Each louvre of the cassette can be individually controlled for a comfortable air flow and adaptability to all room configurations. (Fig. 2)
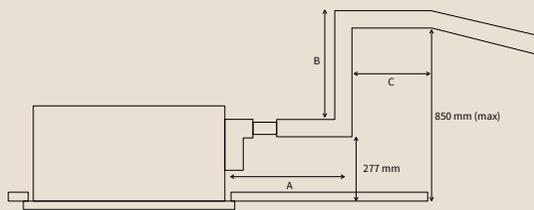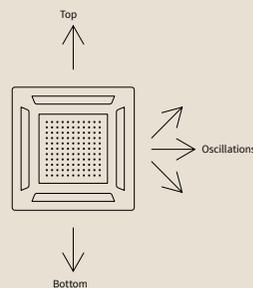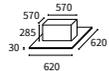
Fig. 1

Fig. 2

Indoor units

RAI-25RPE
RAI-35RPE
RAI-50RPE
RAI-60RPE

Outdoor units

RAC-25NPE
RAC-35NPE

RAC-50NPE
RAC-60NPE

Light Commercial Cassette

System			RAI 25 RPE	RAI 35 RPE	RAI 50 RPE	RAI 60 RPE
Capacity	Cooling (Min/**Nom**/Max)	kW	0.90-**2.50**-3.00	0.90-**3.50**-4.00	1.20-**5.00**-5.80	1.20-**6.00**-6.50
	Heating (Min/**Nom**/Max)	kW	0.90-**3.50**-5.00	0.90-**4.80**-6.60	1.20-**6.00**-6.80	1.20-**7.00**-8.00
Consumption	Cooling (Min/**Nom**/Max)	kW	0.25-**0.60**-1.29	0.25-**0.88**-1.46	0.30-**1.42**-2.50	0.30-**1.71**-2.60
	Heating (Min/**Nom**/Max)	kW	0.25-**0.88**-1.50	0.25-**1.23**-1.92	0.30-**1.57**-2.65	0.30-**1.84**-2.65
Electrical power			1 ~230V 50Hz	1 ~230V 50Hz	1 ~230V 50Hz	1 ~230V 50Hz
Indoor/outdoor wiring section (shielded)		mm2	1.5 x 3 + E	1.5 x 3 + E	1.5 x 3 + E	1.5 x 3 + E
EER			4.20	4.00	3.52	3.51
COP			4.00	3.90	3.82	3.80
SEER			6.20	6.50	6.20	6.20
SCOP			4.30	4.30	4.40	4.40
Energy rating (medium zone)	Cooling/Heating		A++/A+	A++/A+	A++/A+	A++/A+
Outside operating temperatures	Cooling (DB)	ºC	-10 to 46	-10 to 46	-15 to 46	-15 to 46
	Heating (DB)	ºC	-15 to 24	-15 to 24	-15 to 24	-15 to 24
Pipe diameter	Liquid-gas	inches	1/4-3/8	1/4-3/8	1/4-1/2	1/4-1/2
Indoor unit			RAI-25RPE	RAI-35RPE	RAI-50RPE	RAI-60RPE
Air flow (Very low - Low - Medium - High)	Cooling	m3/h	360-505-590-660	360-505-590-660	390-540-630-720	390-540-630-720
	Heating	m3/h	444-540-630-720	444-540-630-720	450-600-690-780	450-600-690-780
Sound pressure (Very low - Low - Medium - High)	Cooling	dB(A)	27-31-35-38	27-33-37-40	29-35-39-43	29-35-39-43
	Heating	dB(A)	28-32-36-39	28-34-38-41	30-36-40-44	30-36-40-44
Sound power		dB(A)	54	56	56	56
Cassette dimensions (H x W x D)		mm	285x570x570	285x570x570	285x570x570	285x570x570
Cassette weight		kg	17	17	17.0	17.0
Panel dimensions (H x W x D)		mm	30x620x620	30x620x620	30x620x620	30x620x620
Panel weight		kg	2.8	2.8	2.8	2.8
Condensate pipe diameter (out)		mm	32	32	32	32
Condensate pump			Included	Included	Included	Included
Outdoor unit			RAC-25NPE	RAC-35NPE	RAC-50NPE	RAC-60NPE
Air flow	Cooling	m3/h	1920	1920	2,160	2,160
	Heating	m3/h	1620	1620	2,160	2,160
Sound pressure	Cooling	dB(A)	48	48	50	50
	Heating	dB(A)	49	49	53	53
Sound power		dB(A)	61	61	56/65	56/65
Maximum pipe length		m	20	20	30	30
Maximum height difference		m	10	10	20	20
Compressor			Rotary	Rotary	Rotary	Rotary
Refrigerant			R32	R32	R32	R32
Refrigerant charge (length without additional charge)		kg (m)	0.9 (20)	0.9 (20)	1.5 (30)	1.5 (30)
Additional refrigerant charge		g/m	not required	not required	not required	not required
Dimensions (H x W x D)		mm	548×750x288	548x750x288	750x850×298	750x850×298
Weight		kg	32.5	32.5	50.0	50.0

Compatible controls and accessories:

Wireless Eco Control
SPX-RCKA3

Simplified wired control
SPX-RCDB

Programmable wired control
SPX-WKT3
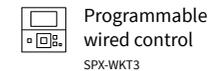
Others:
– SPX-DST1 distríbutor
– H-Link PSC-6RAD box
– SPX-WFG01 Wi-Fi adapter