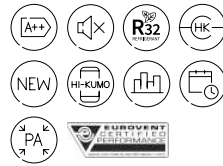# Light Commercial Ducts

Operation down to -15ºC

Condensate pump included

The LC duct 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

High static pressure

Since the unit has 150Pa pressure, the ducts unit can be installed wherever they cause least disturbance. The user therefore does not have to worry about not getting enough air to the room furthest away.

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.
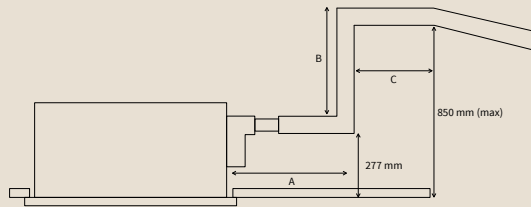
Compatible with Hi-Kumo Wi-Fi control

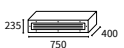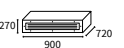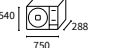This control can be used to turn the unit on or off, increase or decrease the temperature, or programme the system from anywhere in the world. All you need is a mobile phone, internet connection and Wi-Fi equipment (optional) to connect to the air unit.

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.

Fig. 1

Indoor units

235 | 750 400 — RAD-25RPE RAD-35RPE

270 | 900 720 — RAD-50RPE RAD-60RPE RAD-70PPD

Outdoor units

540 | 750 288 — RAC-25NPE RAC-35NPE

800 | 850 298 — RAC-50NPE RAC-60NPE RAC-70NPD

System			RAD 25 RPE	RAD 35 RPE	RAD 50RPE	RAD 60RPE	RAD 70PPD
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	1.50-**7.00**-8.00
	Heating (Min/**Nom**/Max)	kW	0.90-**3.50**-5.50	0.90-**4.80**-6.60	1.20-**6.00**-6.80	1.20-**7.00**-8.00	1.50-**8.00**-8.50
Consumption	Cooling (Min/**Nom**/Max)	kW	0.25-**0.60**-1.29	0.25-**0.95**-1.46	0.30-**1.42**-2.50	0.30-**1.71**-2.60	0.50-**2.11**-2.70
	Heating (Min/**Nom**/Max)	kW	0.25-**0.88**-1.50	0.25-**1.26**-1.92	0.30-**1.57**-2.65	0.30-**1.84**-2.65	0.50-**2.20**-2.80
Electrical power			1 ~230V 50Hz	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	1.5 x 3 + E
EER			4.20	3.70	3.52	3.51	3.32
COP			4.00	3.81	3.82	3.80	3.64
SEER			6.20	6.50	6.20	6.20	6.10
SCOP			4.30	4.30	4.00	4.00	4.00
Energy rating (medium zone)	Cooling/Heating		A++/A+	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	-15 to 46
	Heating (DB)	ºC	-15 to 24	-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	1/4-5/8
Indoor unit			**RAD-25RPE**	**RAD-35RPE**	**RAD-50RPE**	**RAD-60RPE**	**RAD-70PPD**
Air flow (Very low - Low - Medium - High)	Cooling	m3/h	330-390-450-510	330-390-450-510	350-540-800-1,140	350-540-800-1,140	350-540-800-1,140
	Heating	m3/h	330-390-450-510	330-390-450-510	350-540-800-1,140	350-540-800-1,140	350-540-800-1,140
Sound pressure (Very low - Low - Medium - High)	Cooling	dB(A)	30-33-37-41	30-33-37-41	29-32-35-39	29-32-35-39	29-32-35-39
	Heating	dB(A)	30-34-38-42	30-34-38-42	29-32-35-40	29-32-35-40	29-32-35-40
Sound power		dB(A)	57	57	53	53	53
Dimensions (H x W x D)		mm	235x750x400	235x750x400	270x900x720	270x900x720	270x900x720
Weight		kg	16.0	16.0	35.0	35.0	35.0
Condensate pipe diameter (out)		mm	16	16	32	32	32
Condensate pump			Included	Included	Included	Included	Included
Outdoor unit			**RAC-25NPE**	**RAC-35NPE**	**RAC-50NPE**	**RAC-60NPE**	**RAC-70NPD**
Air flow	Cooling	m3/h	1,920	1,920	2,160	2,160	2,700
	Heating	m3/h	1,620	1,620	2,160	2,160	2,700
Sound pressure	Cooling	dB(A)	48	48	50	50	50
	Heating	dB(A)	49	49	53	53	53
Sound power		dB(A)	61	61	53/65	53/65	53/65
Maximum pipe length		m	20	20	30	30	30
Maximum height difference		m	10	10	20	20	20
Compressor			Rotary	Rotary	Rotary	Rotary	Rotary
Refrigerant			R32	R32	R32	R32	R32
Refrigerant charge (length without additional charge)		kg (m)	0.9 (20)	0.9 (20)	1.5 (30)	1.5 (30)	1.6 (30)
Additional refrigerant charge		g/m	not required	not required	not required	not required	not required
Dimensions (H x W x D)		mm	548x750x288	548x750x288	750x850x298	750x850x298	800x850x298
Weight		kg	32.5	32.5	50.0	50.0	52.0

Compatible controls and accessories:

Wireless Eco Control
SPX-RCKA1

Simplified wired control
SPX-RCDA

Programmable wired control
SPX-WKT3

Others:
– SPX-DST1 distributor
– H-Link PSC-6RAD box
– SPX-WFG01 Wi-Fi adapter