R32 Light commercial ducted unit











The discrete and high-performance high-end solution





Condensate pump included

So you don't have to worry about adding more expense to the installation, the ducted unit incorporates its own pumps to automatically remove condensation. (Fig. 1)

Static high pressure

The ducted has a pressure of 150 Pa so you can install it just where you want it and the user does not have to worry about enough air getting to the furthest room.

Flexible installation

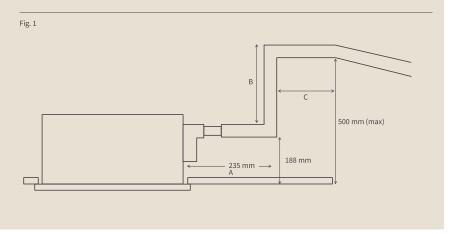
With a 30 m long pipe run between the indoor unit and the outdoor unit, this indoor unit can be installed in any part of the building. What's more, the level difference between the two can be up to 20 m.

Compatible with the airCloud for Home remote controller

In the app, you can turn the system on and off, turn the temperature up or down and program the system from anywhere in the world. All you need is a mobile phone, an Internet connection and Wi-Fi equipment (optional) to connect to the equipment.

Compatible with Airzone

With a single ducted unit, the user can control up to 6 rooms separately thanks to Airzone motorized plenums that fit directly onto the Hitachi units. This level of compatibility means you are free to use the full range of Airzone air regulation of Airzone products.



Indoor unit







RAD-50RPE RAD-60RPE RAD-70PPD

Outdoor units









RAC-25NPE RAC-35NPE

RAC-50NPE

RAC-70NPD

Light Commercial R32 ducted unit

Michael Configer Genety (Michael Configer M	Performance, cooling	Unit	2.5 kW	3.5 kW	5.0 kW	6.0 kW	7.0 kW	
Sealed grower input Ceeling (min many)	Nominal cooling capacity (min-max)	kW	2.50 (0.90 - 3.00)	3.50 (0.90 - 4.00)	5.00 (1.20 - 5.80)	6.00 (1.20 - 6.50)	7.00 (1.50 - 8.00)	
EER - 4.20 3.70 3.52 3.51 3.32 EER (energy close Cooling - - 6.20 6.50 6.50 6.50 1.50 EER (energy close Cooling - - 6.20 6.50 6.50 6.50 1.50 EER (energy close Cooling - - 6.20 6.50 6.50 6.50 1.50 EER (energy close Cooling - - - 6.20 6.50 6.50 6.50 1.50 EER (energy close Charles) - - - - - - - - -	UK total cooling capacity (UK sensible)	kW	1.60 (1.37)	3.50 (2.44)	4.77 (3.83)	5.24 (3.69)	6.64 (5.09)	
SEER (server) celimately - - - - - - - - -	Rated power input Cooling (min-max)	kW	0.595 (0.25 - 1.29)	0.945 (0.25 - 1.46)	1.42 (0.30 - 2.50)	1.71 (0.30 - 2.60)	2.11 (0.50 - 2.70)	
SEER (average climate)	EER	-	4.20	3.70	3.52	3.51	3.32	
Nording range in Cooling "C	Energy class Cooling	-			A++			
Nomina heating capacity (min max)	SEER (average climate)	-	6.20 6.50		6.20		6.10	
Naminal heating capacity (min-max)	Working range in Cooling	°C	-10°C	/ +46°C	-15°C / +46°C			
Heating capacity at -7°C is determined from many is a construction of the fact of power input Heating (min-many)	Performance, heating							
Rated power input Heating (min-max)	Nominal heating capacity (min-max)	kW	3.50 (0.90 - 5.50)	4.80 (0.90 - 6.60)	6.00 (1.20 - 6.80)	7.00 (1.20 - 8.00)	8.00 (1.50 - 8.50)	
Cope	Heating capacity at -7°C(1)	kW	2.50	3.20	4.20	5.00	5.50	
COD Queryage climate) CoD Queryage	Rated power input Heating (min-max)	kW	0.875 (0.25 - 1.50)	1.260 (0.25 - 1.92)	1.57 (0.30 - 2.65)	1.84 (0.30 - 2.65)	2.20 (0.50 - 2.80)	
A.30	СОР	-	4.00	3.81	3.82	3.80	3.64	
Norking range in Heating °C RAD-25RPE RAD-35RPE RAD-50RPE RAD-50RPE RAD-70PPD About units RAD-25RPE RAD-35RPE RAD-50RPE RAD-50RPE RAD-50RPE RAD-70PPD Sound pressure in Cooling mode (EL/L/M/H) ⁽¹⁾ dB(A) 30 / 33 / 37 / 41 29 / 32 / 35 / 30 30 / 32 / 35 / 40 30 / 32 / 35 / 42 29 / 32 / 35 / 30 30 / 32 / 35 / 40 30 / 33 / 37 / 41 29 / 32 / 35 / 30 40 / 32 / 35 / 35 / 40 30 / 33 / 37 / 41 29 / 32 / 35 / 30 40 / 32 / 35 / 30 40 / 32 / 35 / 30 40 / 32 / 35 / 30 40 / 32 / 35 / 30 40 / 32 / 35 / 30 40 / 32 / 35 / 30 40 / 32 / 35 / 35 / 30 40 / 32 / 32 / 30 40 / 32 / 32 / 30 40 / 32 / 32 / 30	Energy class Heating	-			A+			
RAD-25RPE RAD-25RPE RAD-36RPE RAD-60RPE RAD-	SCOP (average climate)	-	4.30					
Sound pressure in Cooling mode (EL / L / M / H) M B(A)	Working range in Heating	°C			-15°C / +24°C			
Sound pressure in Heating mode (EL / L / M / H) ''' Sound power in Cooling mode (BK) (B	Indoor units		RAD-25RPE	RAD-35RPE	RAD-50RPE	RAD-60RPE	RAD-70PPD	
Sound power in Cooling mode	Sound pressure in Cooling mode (EL / L / M / H) (2)	dB(A)	30/33/37/41			29 / 32 / 35 / 39		
Static pressure (L / M / H) Pa	Sound pressure in Heating mode (EL / L / M / H) $^{(2)}$	dB(A)	30 / 34 / 38 / 42			29 / 32 / 35 / 40		
Kirflow in Cooling mode (EL / L / M / H) m³/h 330/390/450/510 350/540/800/1140 600/720/840/1020 Debunidification l/h 1.4 1.6 2.8 4.8 Dimensions (H x L x D) mm 235x750 x400 270 x900 x720 200 x720 x720 Vet weight kg 1.6 35 35 Condensate pump - Included 35 15 Centrol ontrol - Not included (SPX-RCKA1 / SPX-RCDA1 / SPX-WKT4) 75 75 75 75 70	Sound power in Cooling mode	dB(A)	57			53		
Dehumidification	Static pressure (L / M / H)	Pa	- / - / 70			50 / 100 / 150		
Dimensions (H x L x D)	Airflow in Cooling mode (EL / L / M / H)	m³/h	330 / 390 / 450 / 510		350 / 540 / 800 / 1140 600 / 720 / 84			
Net weight kg kg 16 Included I	Dehumidification	l/h	1.4 1.6		2.8 4.8			
Condensate pump Condensate	Dimensions (H x L x D)	mm	235 x 750 x 400			270 x 900 x 720		
Condensate pump Condensate	Net weight	kg	;	16	35			
Dutidoor units	Condensate pump	-						
Sound pressure in Cooling mode O	Remote control	-		Not include	d (SPX-RCKA1 / SPX-RCDA1	. / SPX-WKT4)		
Sound power in Cooling mode dB(A) 61 65	Outdoor units	Unit	RAC-25NPE	RAC-35NPE	RAC-50NPE	RAC-60NPE	RAC-70NPD	
Airflow (Cooling / Heating) m²/h 1920 / 1620 2160 / 2160 / 2160 2700 / 2700 2700 2700 2700 2700 2700 2	Sound pressure in Cooling mode (2)	dB(A)	48			50		
Second column Second colum	Sound power in Cooling mode	dB(A)	61		65			
Net weight	Airflow (Cooling / Heating)	m³/h	1920 / 1620		2160	2700 / 2700		
Rotary Refrigeration characteristics Inches Inche	Dimensions (H x L x D)	mm	548 x 750 x 288		750 x 8	50 x 298	800 x 850 x 298	
Refrigeration characteristics Diameter of pipes (Liq / Gas) inches 1/4"/3/8" 1/4"/1/2" 1/4"/5/8" nitial refrigerant charge kg 0.86 1.50 1.60	Net weight	kg	32.5		į	52		
Diameter of pipes (Liq / Gas) Inches 1/4" / 3/8" 1/4" / 1/2" 1/4" / 5/8"	Compressor	-	Rotary					
Note	Refrigeration characteristics							
Pre-charged for m 20 30 30 30 30 30 30 30	Diameter of pipes (Liq / Gas)	inches	1/4" / 3/8"		1/4" / 1/2"		1/4" / 5/8"	
Pre-charged for Pre-charged for Min. length m 20 30 Min. length Max. length / Additional charge Max. level difference outdoor unit above / outdoor unit below) m/g/m 20 /- 30 /- Max. level difference outdoor unit above / outdoor unit below) m 10 / 10 20 / 20 Refrigerant - R32 R32 Electrical features Power supply V/Ph/Hz 230V / 1Ph / 50Hz Max. current A 15 20 Recommended fuse size A 15 20 Cable width (EN 60 335-1) (3) mm² 2 x 1.50 + E 2 x 2.50 + E	Initial refrigerant charge	kg	0.86		1.50		1.60	
Max. length / Additional charge m/g/m 20 / - 30 / - Max. level difference outdoor unit above / outdoor unit below) m 10 / 10 20 / 20 Refrigerant - R32 Electrical features - 230V / 1Ph / 50Hz Jowner supply V/Ph/Hz 230V / 1Ph / 50Hz Max. current A 15 20 Recommended fuse size A 15 20 Cable width (EN 60 335-1) (3) mm² 2 x 1.50 + E 2 x 2.50 + E	Pre-charged for	m	20		30			
Max. level difference outdoor unit above / outdoor unit below) m 10 / 10 20 / 20 Refrigerant - R32 Electrical features Power supply V/Ph/Hz 230V / 1Ph / 50Hz Max. current A 15 20 Recommended fuse size A 15 20 Cable width (EN 60 335-1) (3) mm² 2 x 1.50 + E 2 x 2.50 + E	Min. length	m			3			
Total Contidor unit above / outdoor unit below Total Contidor unit above / outdoor unit a	Max. length / Additional charge	m/g/m	20 / -		30 / -			
Refrigerant - R32 Electrical features 230V/1Ph / 50Hz Power supply V/Ph/Hz 230V/1Ph / 50Hz Max. current A 15 20 Recommended fuse size A 15 20 Cable width (EN 60 335-1) (3) mm² 2 x 1.50 + E 2 x 2.50 + E	Max. level difference (outdoor unit above / outdoor unit below)	m	10 / 10		20 / 20			
Power supply V/Ph/Hz 230V/1Ph / 50Hz Max. current A 15 20 Recommended fuse size A 15 20 Cable width (EN 60 335-1) (3) mm² 2 x 1.50 + E 2 x 2.50 + E	Refrigerant	-			R32			
Max. current A 15 20 Recommended fuse size A 15 20 Cable width (EN 60 335-1) (3) mm² 2 x 1.50 + E 2 x 2.50 + E	Electrical features							
Recommended fuse size A 15 20 Cable width (EN 60 335-1) ⁽³⁾ mm² 2 x 1.50 + E 2 x 2.50 + E	Power supply	V/Ph/Hz			230V / 1Ph / 50Hz			
Cable width (EN 60 335-1) (3) mm ² 2 x 1.50 + E 2 x 2.50 + E	Max. current	А	15		20			
	Recommended fuse size	А	15		20			
ndoor/outdoor connection (shielded) mm² 3 x 1.50 + E	Cable width (EN 60 335-1) (3)	mm²	2 x 1	.50 + E	2 x 2.50 + E			
	Indoor/outdoor connection (shielded)	mm²	3 x 1.50 + E					

Part number	Description	Length	Height	Depth	Compatibility	Number of ductwork connections
PIM1SOURADNH	STANDALONE SUPPLY PLENUM M1 2XD200	720	200	300 + 50	RAD-18QPE* / RAD 25-35RPE	2 x 200
PIM1REPRADNH	STANDALONE RETURN PLENUM M1 2XD200	655	205	200 + 50	RAD-18QPE / RAD 25-35RPE	2 x 200
PIM1REPRADNHF	STANDALONE RETURN PLENUM M1 filter door 2XD200	655	205	200 + 50	RAD-18QPE / RAD 25-35RPE	2 x 200
PIM1SOURADDH	STANDALONE SUPPLY PLENUM M1 3XD200	810	225	250 + 50	RAD-50-60RPE / RAD-70PPD	3 x 200
PIM1REPRADDH	STANDALONE RETURN PLENUM M1 2XD200	820	225	200 + 50	RAD-50-60RPE / RAD-70PPD	2 x 200
* Only available as a multi opti	ion					

Controls and compatible accessories (see page 161)



Wired programmable remote control SPX-WKT4



Infrared remote control SPX-RCKA1



Wired standard remote Other (price excluding taxes):

control SPX-RCDA1

- H-Link box - PSC-6RAD - Control box Multi-indoor units SPX-DST1 + SPX-WDST8M

- airCloud for Home interface WIFI SPX-WFG02
- Hi-Box AHP-SMB-01
- Hi Kumo interface for Hi-Box
- Single dry contact kit SPX-WDC2
- SPX-RTH1 remote sensor

Data includes defrosting. To find out the data for your project, refer to our technical catalogues.

Sound pressure measurements were made 1.5 meters from the unit without obstructions (see the technical catalogue).

Data shown is for indication purpose only. It is the installer's responsibility to ensure that these cable widths meet the needs of the facility and current standards.