



# Ducted

## airHome Ducted



## airHome Ducted Slim



Application	Residential New Tertiary (<100 m <sup>2</sup> )	Residential New Tertiary (<100 m <sup>2</sup> )
Positioning of range	Low power ratings	Low power ratings
Compatibility	<b>Single-split</b>	<b>Single-split and Multi-splits</b>
Static pressure	70 - 150 Pa	50 - 150 Pa
Extreme outdoor temperature in heating mode	-15°C	-15°C
Max. length op pipework	30 m	30 m
airCloud Tap (on UI)	-	-
Compatible airCloud Pro	● Using a PSC-6RAD*	● Using a PSC-6RAD*
Compatible CSNET Manager 2	● Using a PSC-6RAD	● Using a PSC-6RAD
Compatible with GTB (Modbus, KNX, BACnet)	● Using a PSC-6RAD	● Using a PSC-6RAD
<b>Capacities</b>		
<b>1 Hp</b>	2.5 kW	●
<b>1.5 Hp</b>	3.5 kW	●
<b>2 Hp</b>	5.0 kW	●
<b>2.5 Hp</b>	6.0 kW	●
<b>3 Hp</b>	7.0 kW	●

\* The units in this range must be combined with a DRV system to work with the airCloud Pro application.

# airHome Ducted

2.5 to 7.0 kW (R32), mono-split



## + IDEAL FOR NEW-BUILD PROPERTIES

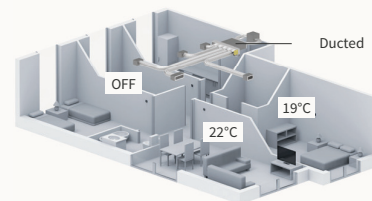
### Installation in new buildings

These units can be used for residential installations without the use of wall units.

## + COMFORT

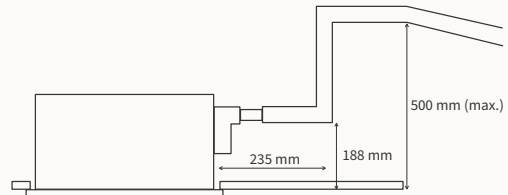
### Compatible AIRZONE

With a single ducted unit, the user can control up to 6 rooms individually.



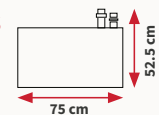
## + FOR EASE OF INSTALLATION

### Condensate pump included

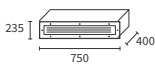


### Refrigeration connections at the back!

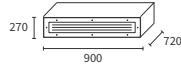
Only available for these models  
RAD-25RPE/RAD-35RPE



#### Indoor units



RAD-25RPE  
RAD-35RPE



RAD-DJ50QHAE  
RAD-DJ60QHAE  
RAD-DJ70QHAE

#### Outdoor units



RAC-25NPE  
RAC-35NPE



RAC-VJ50NHAE  
RAC-VJ60NHAE



RAC-VJ70NHAE

## Compatible controls and accessories

#### Infrared and connected controls



Remote control kit + infrared receiver  
Ref.: SPX-RCKA1 (RAD-RPE)



Remote control kit + infrared receiver  
Ref.: SPX-RKD800 (RAD-DJ-QHAE)



airCloud Go gateway  
Ref.: SPX-WFG02 (RAD-RPE)  
SPX-WFG03 (RAD-DJ-QHAE)

#### Wired controls, H-Link & GTB



Programmable wired remote control (color screen)  
Ref.: SPX-URFG1



Simplified wired remote control  
Ref.: SPX-RCDA1



1-1 Modbus gateway  
Ref.: AZAI6WSCHT2



H-Link box  
Ref.: PSC-6RAD



1-1 KNX gateway  
Ref.: AZAI6KNXHT2



Multi-indoor unit control box  
Ref.: SPX-DST1 + Ref.: SPX-WDST8M

5 m shielded standard cable  
Ref.: SPX-WKT5MS

5 m extension cable for wired remote controls  
(max. 2 extension cables)  
Ref.: SPX-WKT5M

#### External controls

Dry contact ON/OFF cable  
Refs.: SPX-WDC2 (RAD-RPE)  
SPX-WDC3 (RAD-DJ-QHAE)

Error reporting interface + operating status  
Ref.: SPX-WDC8

Kit contact sec ON/OFF + error reporting  
Refs.: SPX-WDC6 + HA-S100TSA (RAD-RPE)

#### Other accessories

Remote sensor  
Refs.: SPX-RTH1 (RAD-RPE)  
SPX-RTH2 (RAD-DJ-QHAE)

Plenums  
Please contact your sales representative or Airzone distributor.

		RAD-RPE		RAD-DJ-QHAE (PRELIMINARY DATA)		
Models	Unit	2.5 kW	3.5 kW	5.0 kW	6.0 kW	7.0 kW
<b>Performance, cooling</b>						
Nominal power (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)
Nominal power consumption (min. - max.)	kW	0.60 (0.25 - 1.29)	0.95 (0.25 - 1.46)	1.42 (0.30 - 2.65)	1.71 (0.30 - 2.65)	2.11 (0.50 - 2.70)
EER	-	4.20	3.70	3.52	3.51	3.32
Energy class (D to A+++)	-	A++		A++		
<b>SEER (average climate)</b>	-	<b>6.20</b>	<b>6.50</b>	<b>6.20</b>		<b>6.10</b>
Operating range	°C	-10°C/+46°C		-15°C/+46°C		
<b>Performance, heating</b>						
Nominal power (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)
Nominal power consumption (min. - max.)	kW	0.88 (0.25 - 1.50)	1.26 (0.25 - 1.92)	1.57 (0.30 - 2.65)	1.84 (0.30 - 2.65)	2.20 (0.50 - 2.80)
Full load capacity at -7°C without defrosting <sup>(1)</sup>	kW	2.85	3.65	4.80	5.50	6.20
Full load capacity at -7°C with defrosting <sup>(1)</sup>	kW	2.50	3.20	4.20	5.00	5.50
COP	-	4.00	3.81	3.82	3.80	3.64
Energy class (D to A+++)	-	A+		A+		
<b>SCOP (average climate)</b>	-	<b>4.30</b>		<b>4.00</b>		
Operating range	°C	-15°C/+24°C		-15°C/+24°C		
<b>Indoor units</b>						
Sound pressure in Cooling mode (very low/low/medium/high speed) <sup>(2)</sup>	dB(A)	30/33/37/41		29/32/35/37/39		
Sound pressure in Heating mode (very low/low/medium/high speed) <sup>(2)</sup>	dB(A)	30/34/38/42		29/32/35/38/40		
Sound power	dB(A)	57		55		57
External static pressure (low/medium/high speed)	Pa	-/70		50/100/150		
Airflow in Cooling mode (very low/low/medium/high speed)	m <sup>3</sup> /h	330/390/450/510		350/540/800/970/1140		
Dehumidification	l/h	2.8		2.8		4.8
Dimensions (HxWxD)	mm	235 x 750 x 400 (525) <sup>(3)</sup>		270 x 900 (995) <sup>(3)</sup> x 720		
Net weight	kg	16.0		35.0		
Condensate pump	-	Included		Included		
Wired remote control	-	SPX-URFG1		SPX-URFG1		
<b>Outdoor units</b>						
Sound pressure Cooling <sup>(2)</sup>	dB(A)	48		53		54
Sound pressure Heating <sup>(2)</sup>	dB(A)	49			54	
Sound power	m <sup>3</sup> /h	61		65		67
Airflow (Cooling/Heating)	m <sup>3</sup> /h	1920 / 1620		2700 / 2700		
Dimensions (HxWxD)	mm	548 x 750 (841) <sup>(3)</sup> x 288		750 x 850 (956) <sup>(3)</sup> x 298		800 x 850 (956) <sup>(3)</sup> x 298
Net weight	kg	32.5		47.0		48.0
Compressor	-	Rotary		Rotary		
<b>Cooling properties</b>						
<b>Not subject to the DESP</b>						
Diameter of pipes (Liq - Gas)	inches	1/4" - 3/8"		1/4" - 1/2"		1/4" - 5/8"
Condensate pipe diameter (out)	mm	32		32		
Initial refrigerant fill	kg	0.86		1.30		1.50
Preloaded for	m	20		30		
Minimum length	m	3		3		
Max. length	m	20		30		
Max. drop (outdoor unit top/bottom)	m	10/10		20/20		
Refrigerant	-	R32		R32		
<b>Electrical features</b>						
Power supply	V/Ph/Hz	230V/1Ph/50Hz		230V/1Ph/50Hz		
Maximum current	A	15		20		
Cable section	mm <sup>2</sup>	1.50 x 2 + GROUND		2.50 x 2 + GROUND		
Indoor/outdoor connection (protected)	mm <sup>2</sup>	1.50 x 3 + GROUND		1.50 x 3 + GROUND		
<b>Retail price per unit excluding taxes</b>						
<b>Indoor unit (Remote control not included)</b>		<b>RAD-25RPE</b>	<b>RAD-35RPE</b>	<b>RAD-DJ50QHAE</b>	<b>RAD-DJ60QHAE</b>	<b>RAD-DJ70QHAE</b>
<b>Outdoor unit</b>		<b>RAC-25NPE</b>	<b>RAC-35NPE</b>	<b>RAC-VJ50NHAE</b>	<b>RAC-VJ60NHAE</b>	<b>RAC-VJ70NHAE</b>
<b>Wired remote control SPX-URFG1</b>						
<b>Price for the entire Indoor + Outdoor unit + Wired remote control</b>						

<sup>(1)</sup> Consult our technical catalogs to find the data relevant to your project.  
<sup>(2)</sup> Sound pressure measurements were made 1.5 meter from the unit without obstructions (see the technical catalog).  
<sup>(3)</sup> Dimensions with refrigeration connection.

# airHome Ducted Slim

2.5 to 7.0 kW (R32), Single-split and Multi-splits

NEW



## + FOR COMPACTNESS

### New slim version:

with a height of only 19 cm for sizes 25 and 35.

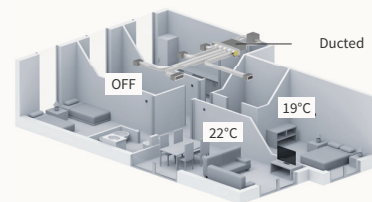
## + INDOOR AIR QUALITY

- AQtiv-Ion ionizer<sup>(1)</sup>
- **2 other air treatment technologies included as standard:** FrostWash technology & Mold Guard function

## + COMFORT

### Compatible AIRZONE

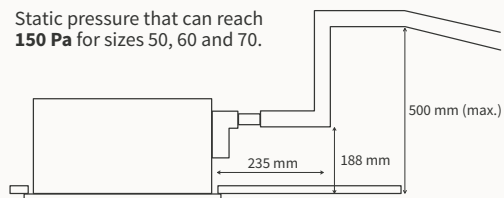
With a single ducted unit, the user can control up to 6 rooms individually.



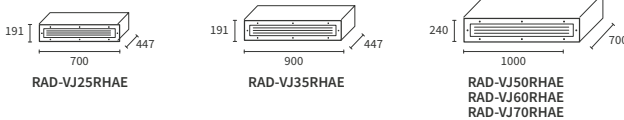
## + FOR EASE OF INSTALLATION

### Condensate pump included

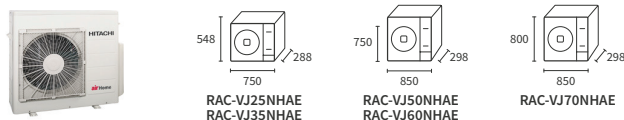
Static pressure that can reach **150 Pa** for sizes 50, 60 and 70.



#### Indoor units



#### Outdoor units



## Compatible controls and accessories

#### Infrared controls and connectivity



Remote control kit + infrared receiver  
Ref.: SPX-RKD800



airCloud Go gateway  
Ref.: SPX-WFG03

#### Wired controls, H-Link & GTB



Programmable wired remote control (color screen)  
Ref.: SPX-URFG1



Simplified wired remote control  
Ref.: SPX-RCDA1



1-1 Modbus gateway  
Ref.: AZAIGWSCHT2



H-Link box  
Ref.: PSC-6RAD



1-1 KNX gateway  
Ref.: AZAIGKNXHT2



Multi-indoor unit control box  
Ref.: SPX-DST1 + Ref.: SPX-WDST8M

5 m shielded standard cable  
Ref.: SPX-WKT5MS

5 m extension cable for wired remote controls (max. 2 extension cables)  
Ref.: SPX-WKT5M

#### External controls

Dry contact ON/OFF cable  
Ref.: SPX-WDC3

Error reporting interface + operating status  
Ref.: SPX-WDC8

#### Other accessories

Remote sensor  
Ref.: SPX-RTH2

Plenums  
Please contact your sales representative or Airzone distributor.

<sup>(1)</sup> Activated with the optional SPX-RKD800 remote control.

Models	Unit	2.5 kW	3.5 kW	5.0 kW	6.0 kW	7.0 kW
<b>Performance, cooling</b>						
Nominal power (min. - max.)	kW	2.50 (0.90 - 3.00)	3.50 (0.90 - 4.00)	5.00 (1.90 - 5.80)	6.00 (1.90 - 6.50)	7.00 (1.90 - 8.00)
Nominal power consumption (min. - max.)	kW	0.60 (0.25 - 1.29)	0.88 (0.25 - 1.46)	1.43 (0.50 - 3.05)	1.71 (0.50 - 3.05)	2.11 (0.50 - 3.50)
EER	-	4.20	4.00	3.50	3.51	3.32
Energy class (D to A+++)	-	A++				
<b>SEER (average climate)</b>	-	<b>6.50</b>		<b>6.20</b>		<b>6.10</b>
Operating range	°C	-10°C/+46°C		-15°C/+46°C		
<b>Performance, heating</b>						
Nominal power (min. - max.)	kW	3.50 (0.90 - 5.50)	4.80 (0.90 - 6.60)	6.00 (1.90 - 6.80)	7.00 (1.90 - 7.50)	8.00 (1.90 - 8.50)
Nominal power consumption (min. - max.)	kW	0.88 (0.25 - 1.50)	1.20 (0.25 - 1.92)	1.58 (0.50 - 3.05)	1.84 (0.50 - 3.05)	2.20 (0.50 - 3.50)
Full load capacity at -7°C without defrosting <sup>(1)</sup>	kW	2.90	3.60	4.80	5.50	6.20
Full load capacity at -7°C with defrosting <sup>(1)</sup>	kW	2.50	3.20	4.20	5.00	5.50
COP	-	4.00		3.80		3.64
Energy class (D to A+++)	-	A+				
<b>SCOP (average climate)</b>	-	<b>4.28</b>	<b>4.30</b>	<b>4.00</b>		
Operating range	°C	-15°C/+24°C				
<b>Indoor units</b>	<b>Unit</b>	<b>RAD-VJ25RHAE</b>	<b>RAD-VJ35RHAE</b>	<b>RAD-VJ50RHAE</b>	<b>RAD-VJ60RHAE</b>	<b>RAD-VJ70RHAE</b>
Sound pressure in Cooling mode (very low/low/medium/high speed) <sup>(2)</sup>	dB(A)	28/32/35/37/40	28/32/35/38/40	29/32/35/37/39	29/32/35/37/39	29/32/35/37/39
Sound pressure in Heating mode (very low/low/medium/high speed) <sup>(2)</sup>	dB(A)	28/32/35/37/40	28/32/35/38/41	29/32/35/38/40	29/32/35/38/40	29/32/35/38/40
Sound power	dB(A)	54		55	55	57
External static pressure (low/medium/high speed)	Pa	25 / 50		50/100/150		
Airflow in Cooling mode (very low/low/medium/high speed)	m <sup>3</sup> /h	380/450/510/550/670	430/510/610/690/820	540/720/840/960/1200	540/720/840/960/1200	540/720/840/960/1200
Airflow in Heating mode (very low/low/medium/high speed)	m <sup>3</sup> /h	380/450/510/550/670	430/510/610/690/820	540/720/840/960/1200	540/720/840/960/1200	540/720/840/960/1200
Dehumidification	l/h	2.8			4.8	
Dimensions (HxWxD)	mm	191 x 700 (730) <sup>(3)</sup> x 447	191 x 910 (940) <sup>(3)</sup> x 447	240 x 1000 (1036) <sup>(3)</sup> x 700		
Net weight	kg	16.0	19.0	35.0		
Condensate pump	-	Included				
Wired remote control	-	SPX-URFG1				
<b>Outdoor units</b>	<b>Unit</b>	<b>RAC-VJ25NHAE</b>	<b>RAC-VJ35NHAE</b>	<b>RAC-VJ50NHAE</b>	<b>RAC-VJ60NHAE</b>	<b>RAC-VJ70NHAE</b>
Sound pressure Cooling <sup>(2)</sup>	dB(A)	48		53		54
Sound pressure Heating <sup>(2)</sup>	dB(A)	48	49	54		54
Sound power	dB(A)	61		65		67
Airflow (Cooling/Heating)	m <sup>3</sup> /h	1920 / 1920		2700 / 2700		
Dimensions (HxWxD)	mm	548 x 750 (841) <sup>(3)</sup> x 288		750 x 850 (956) <sup>(3)</sup> x 298		800 x 850 (956) <sup>(3)</sup> x 298
Net weight	kg	31.6		47.0		48.0
Compressor	-	Rotary				
<b>Cooling properties</b>		<b>Subject to the DESP, category II</b>			<b>Not subject to the DESP</b>	
Diameter of pipes (Liq - Gas)	inches	1/4" - 3/8"			1/4" - 1/2"	
Condensate pipe diameter (out)	mm				37	
Initial refrigerant fill	kg	0.86		1.30		1.50
Preloaded for	m	20		30		
Minimum length	m			3		
Max. length	m	20		30		
Max. drop (outdoor unit top/bottom)	m	10/10		20/20		
Refrigerant	-	R32				
<b>Electrical features</b>						
Power supply	V/Ph/Hz				230V/1Ph/50Hz	
Maximum current	A	15		20		
Cable section	mm <sup>2</sup>				2.50 x 2 + GROUND	
Indoor/outdoor connection (protected)	mm <sup>2</sup>				1.50 x 3 + GROUND	
<sup>(1)</sup> Consult our technical catalogs to find the data relevant to your project.						
<sup>(2)</sup> Sound pressure measurements were made 1.5 meter from the unit without obstructions (see the technical catalog).						
<sup>(3)</sup> Dimensions with refrigeration connection.						
<b>Retail price per unit excluding taxes</b>						
<b>Indoor unit (Remote control not included)</b>		<b>RAD-VJ25RHAE</b>	<b>RAD-VJ35RHAE</b>	<b>RAD-VJ50RHAE</b>	<b>RAD-VJ60RHAE</b>	<b>RAD-VJ70RHAE</b>
<b>Outdoor unit</b>		<b>RAC-VJ25NHAE</b>	<b>RAC-VJ35NHAE</b>	<b>RAC-VJ50NHAE</b>	<b>RAC-VJ60NHAE</b>	<b>RAC-VJ70NHAE</b>
<b>Wired remote control SPX-URFG1</b>						
<b>Price for the entire Indoor + Outdoor unit + Wired remote control</b>						