

Multi-splits

R32 standard outdoor units



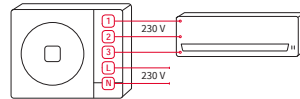
	Ref.	RAM-33NP2E	RAM-40NP2E	RAM-53NP2E	RAM-53NP3E	RAM-68NP3E	RAM-70NP4E	RAM-90NP5E	RAM-110NP5E
Number of connectible units (min-max)		2		2/3		2/4		2/5	
Capacity Cooling (min-max)	kW	3.3 (1.50 - 3.80)	4.00 (1.50 - 4.20)	5.30 (1.50 - 6.60)		6.80 (2.40 - 8.00)	7.00 (2.40 - 8.80)	8.50 (1.52 - 9.50)	10.00 (1.50 - 12.50)
Capacity Heating (min-max)	kW	4.00 (1.50 - 4.60)	5.20 (1.50 - 5.50)	6.80 (1.50 - 7.20)		8.50 (2.40 - 9.50)	8.50 (2.60 - 9.50)	10.0 (1.50 - 11.50)	12.00 (1.50 - 12.70)
Capacity at full charge at -7°C ⁽¹⁾	kW	3.20	3.80	4.50	5.00	6.50	7.80	8.00	8.00
Absorbed nom. capacity Cooling (min-max)	kW	0.73 (0.20 - 1.05)	0.95 (0.20 - 1.15)	1.26 (0.20 - 1.66)	1.29 (0.20 - 1.68)	1.83 (0.46 - 2.96)	1.89 (0.46 - 3.20)	2.50 (0.50 - 3.85)	3.096 (0.50 - 4.50)
Absorbed nom. capacity Heating (min-max)	kW	0.90 (0.20 - 1.50)	1.18 (0.20 - 1.50)	1.61 (0.20 - 2.01)	1.61 (0.20 - 2.01)	2.12 (0.43 - 2.60)	2.02 (0.48 - 3.12)	2.56 (0.50 - 3.85)	3.158 (0.50 - 5.00)
EER/COP		4.50/4.40	4.20/4.40	4.20/4.20	4.10/4.20	3.70/4.00	3.70/4.20	3.40/3.90	3.23/3.8
SEER/SCOP (medium climate)		8.50/4.60			8.10/4.60		7.90/4.30		6.52/4.22
Seasonal energy class (Cooling/Heating)		A+++ / A+++			A++ / A++		A++ / A+		A++ / A+
Sound Pressure Cooling	dB(A)	48	49	50		50	53	53	54
Sound pressure	dB(A)	47/60		50/61		50/63	57/63	57/66	68
Air flow (Cooling/Heating)	m ³ /h	1620/1620		2160/2160		2700/2700	3900/3900	4000/4000	
Dimensions (HxWxD)	mm	570 x 750 x 280		750 x 850 x 298		800 x 850 x 298	800 x 950 x 370	800 x 950 x 370	
Weight	kg	38	41	53	54	58	71	71	76
Electrical power					220 - 230V				
Maximum current	A	6		8		10	12	20	
Cable diameter (EN 60 335-1)	mm ²				2.50 x 2+T				
Indoor/outdoor wiring section	mm ²				1.50 x 3+T				
Pipe diameter (Liq/gas)	inch	(1/4 x 2 / 3/8 x 2)		(1/4 x 3 / 3/8 x 3)		(1/4 x 4 / 3/8 x 3 + 1/2 x 1)	1/4 x 5 / (3/8 x 3) + (1/2 x 2)		
Initial refrigerant charge	kg	1.02		1.80		2.05	2.40	3.0	
Pre-charged for	m	35		30		35	30	30	
Minimum length	m				3				
Maximum length/Additional refrigerant	m/g/m	35 / -		60/20		75/15	75/13		
Maximum height difference	m	15		20					
Operating range Cooling	°C				-10°C/+46°C				
Operating range Heating	°C				-15°C/+24°C				
Refrigerant					R32				
Compressor		ROTARY			TWIN ROTARY				
Outdoor unit price	(pre-tax)								
	(pre-tax)								

⁽¹⁾ Data includes defrosting. For the data corresponding to your project, use our technical catalogs or the Hi-ToolKit for business software.

Please note

The returned capacity of each indoor unit depends on the outdoor unit, the selected combination, pipe length and outdoor temperature. The pipe length used to determine the values above is 10 m. Total capacity cannot exceed the unit capacity; please refer to the combination table. For more information on selecting, please refer to our technical documentation or use the Hi-ToolKit software.

Indoor units are powered with 220-230 V from the outdoor unit.



Compatible controls and accessories

Programmable wired control
SPX-WKT3
Pre-tax price: P. <?>

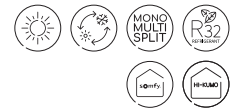
Infrared remote control
SPX-RCKA1 for ducted
SPX-RCKA2 for RAK-60RPE
SPX-RCKA3 for cassette
Pre-tax price: P. <?>

Simplified wired control
SPX-RCDA
Pre-tax price: P. <?>

Simplified wired control
SPX-RCDB
Pre-tax price: P. <?>

Multi-splits

Indoor units



Shirokuma wall



Shirokuma wall range

Perfectly suited to all installation types, with special models available for smaller surface areas. The size 18 model can be switched to reduce capacity (1.8 kW > 1.2 kW* cooling and 2.5 kW > 1.8 kW* heating).

Presence sensor

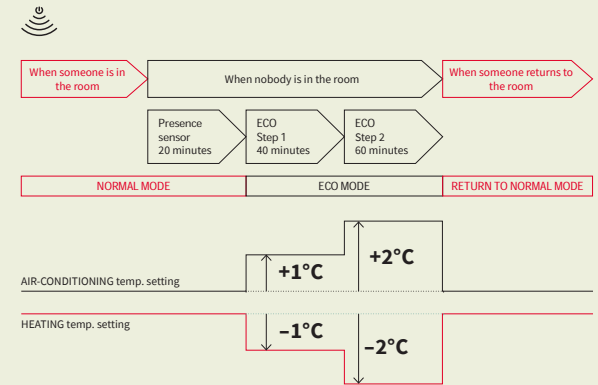
It adjusts indoor unit operation depending on whether anyone is in the room. See Eco Sensor illustration opposite.

Ultra-efficient filtration

STAINLESS pre-filters and Active Carbon filters as standard.

Extra quiet units

20 dB(A) for size 25.



	Ref.	RAK-18QXE	RAK-25RXE	RAK-35RXE	RAK-50RXE
Capacity Cooling (min-max)	kW	1.80 (1.00 - 2.50)	2.50 (0.90 - 3.10)	3.50 (0.90 - 4.00)	5.00 (1.90 - 5.20)
Capacity Heating (min-max)	kW	2.50 (1.10 - 3.20)	3.20 (0.90 - 4.20)	4.00 (0.90 - 4.80)	5.80 (2.20 - 7.00)
Sound pressure Cooling (Very low - Low - Medium - High) ⁽¹⁾	dB(A)	20/25/30/36	20/27/35/43	22/29/37/45	25/31/39/47
Sound pressure	dB(A)	49	58	60	60
Air flow Cooling (Very low - Low - Medium - High)	m ³ /h	300/330/430/500	300/330/510/600	320/340/520/660	350/400/580/720
Dehumidification	l/h	1.2	1.4	1.6	2.0
Dimensions (H x W x D)	mm	295 x 900 x 210			
Pipe diameter (Liq/gas)	inch	1/4 - 3/8			1/4 - 1/2
Weight	kg	11.0			
Electrical power	V	220 - 230V			
Cable diameter (EN 60 335 - 1)	mm ²	3 x 1.50+T			3 x 2.50+T
Remote control		infrared weekly RAR-6NE1 (included)			
Indoor unit price	(pre-tax)				
	(pre-tax)				

Multi-splits

Indoor units

Performance Wall and Small



Commercial

The Mokai Wall range

Perfectly suited to all installation types, with special models available for smaller surface areas. The size 15 model can be switched to reduce the capacity (1.5 kW > 1 kW* cooling and 2 kW > 1.5 kW* heating).

	Unit	RAK-15QPE	RAK-18RPE	RAK-25RPE	RAK-35RPE	RAK-42RPE	RAK-50RPE	RAK-60RPE
Capacity Cooling (min-max)	kW	1.50 (0.90 - 2.00)	2.00 (0.90 - 2.50)	2.50 (0.90 - 3.10)	3.50 (0.90 - 4.00)	4.20 (1.70 - 5.00)	5.00 (1.90 - 5.20)	6.00 (1.20 - 6.50)
Capacity Heating (min-max)	kW	2.00 (1.00 - 2.50)	2.50 (0.90 - 3.20)	3.40 (0.90 - 4.40)	4.20 (0.90 - 5.00)	5.40 (1.70 - 6.00)	6.00 (2.20 - 7.30)	7.00 (1.20 - 8.00)
Sound pressure Cooling (Very low - Low - Medium - High) ⁽¹⁾	dB(A)	20/24/30/34	21/24/33/37	22/24/33/40	25/26/36/43	25/28/39/46	25/28/39/46	30/33/42/48
Air flow Cooling (Very low - Low - Medium - High)	m ³ /h	312/350/400/420	312/350/400/440	333/370/430/510	353/420/485/680	353/410/540/720	353/410/540/750	310 / 410 / 570 / 720
Dehumidification	l/h	1.20	1.20	1.40	1.60	1.80	2.00	2.8
Dimensions (H x W x D)	mm	280 x 780 x 230						300 x 900 x 230
Pipe diameter (Liq/gas)	inch	1/4 - 3/8			1/4 - 1/2			
Weight	kg	8.5						11.5
Electrical power	V	3 x 1.50+T			220 - 230V			3 x 1.50+T
Cable diameter (EN 60 335 - 1)	mm ²	3 x 1.50+T			3 x 2.50+T			3 x 1.50+T
Remote control		infrared weekly RAR-6NE1 (included)						Not supplied (SPX-RCKA2 / SPX-RCDB / SPX-WKT3)
Indoor unit price	(pre-tax)							
	(pre-tax)							

⁽¹⁾ Sound pressure measurements were taken at 1 meter from the unit free field (refer to the technical catalog).

Cassette 600 x 600

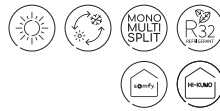


	Unit	RAI-25RPE	RAI-35RPE	RAI-50RPE	RAI-60RPE
Capacity Cooling (min-max)	kW	2.50 (0.90 - 3.00)	3.50 (0.90 - 4.00)	5.00 (1.20 - 5.80)	6.00 (1.20 - 6.50)
Capacity Heating (min-max)	kW	3.50 (0.90 - 5.00)	4.80 (0.90 - 6.60)	6.00 (1.20 - 6.80)	7.00 (1.20 - 8.00)
Capacity at full charge at -7°C with defrosting ⁽¹⁾	kW	2.70	3.20	4.20	4.80
Sound pressure Cooling (Very low - Low - Medium - High) ⁽²⁾	dB(A)	27/31/35/38	27/33/37/40	29/35/39/43	
Sound pressure Heating (Very low - Low - Medium - High) ⁽²⁾	dB(A)	28/32/36/39	28/34/38/41	30/36/40/44	
Sound pressure	dB(A)	54	56	56	
Air flow Cooling (Very low - Low - Medium - High) ⁽²⁾	m ³ /h	360/505/590/660		390/540/630/720	
Dehumidification	l/h	1.4	1.8	2.8	3.8
Dimensions (H x W x D)	mm	285 x 570 x 570			
Dimensions facade (H x W x D)	mm	30 x 620 x 620			
Condensate pipe diameter (out)	mm	32			
Condensate pump		yes			
Pipe diameter (Liq/gas)	Inch	1/4 - 3/8		1/4 - 1/2	
Case weight	kg	17			
Facade weight	kg	2.8			
Reference of facade		P-AP56NAMS			
Electrical power	V	220 - 230V			
Cable diameter (EN 60 335-1)	mm ²	1.5 x 3+T			
Remote control		Not supplied (SPX-RCKA3 / SPX-RCDB / SPX-WKT3)			
Indoor unit price	(pre-tax)				
	(pre-tax)				
	(pre-tax)				

⁽¹⁾ Data includes defrosting. For the data corresponding to your project, use our technical catalogs or the Hi-ToolKit software.

⁽²⁾ Sound pressure measurements were taken at 1 meter from the unit free field (refer to the technical catalog).

* Information pending.



Shirokuma console



Extended air flow

Thanks to a larger **dynamic air flow**, air can reach all parts of the room. The room is air-conditioned (heating or cool air) at the touch of a button on the remote control. (Fig. 1)

High performance

The console's energy class is A+++.
Energy savings - guaranteed!

Compatible with Hi Kumo

The entire Hitachi residential range is compatible with the Hi Kumo system which can control equipment **from any mobile device** which acts as a remote control.

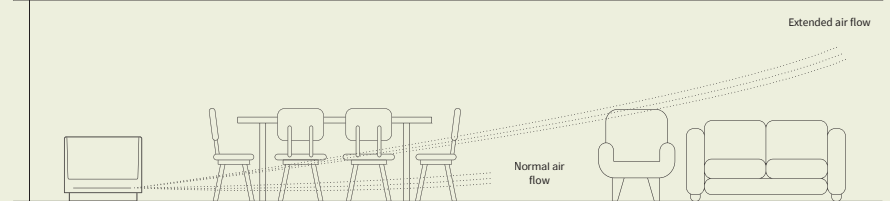
Flexibility with the Multi-splits range

The Shirokuma console indoor unit is compatible with all outdoor units multi-splits. This means that several indoor units can be installed in different rooms with the same outdoor unit.

Control options

The console comes with an infrared remote control as standard. It is also compatible with the SPX-WKT3 wired control with timer.

Fig. 1



	Unit	RAF-25RXE	RAF-35RXE	RAF-50RXE
Capacity Cooling (min-max)	kW	2.50 (0.90 - 3.10)	3.50 (0.90 - 4.00)	5.00 (0.90 - 5.20)
Capacity Heating (min-max)	kW	3.40 (0.90 - 4.40)	4.50 (0.90 - 5.00)	6.00 (0.90 - 8.10)
Capacity at full charge at -7°C ⁽¹⁾	kW	3.10	3.80	5.00
Sound pressure Cooling (Very low - Low - Medium - High) ⁽²⁾	dB(A)	20/26/31/38	20/26/31/39	22/29/36/43
Sound pressure	dB(A)		52	56
Air flow Cooling (Very low - Low - Medium - High)	m ³ /h	270/390/510/630	270/390/510/660	300/450/540/720
Dehumidification	l/h	1.4	1.9	2.8
Dimensions (H x W x D)	mm	590 x 750 x 215		
Condensate pipe diameter (out)	mm	16		
Pipe diameter (Liq/gas)	inch	1/4 - 3/8		1/4 - 1/2
Weight	kg	15		
Electrical power	V	220 - 230 V		
Cable diameter (EN 60 335-1)	mm ²	3 x 1.50+T		
Remote control		infrared weekly RAR-6NE1 (included)		
Indoor unit price	(pre-tax)			
	(pre-tax)			

⁽¹⁾ Data includes defrosting. For the data corresponding to your project, use our technical catalogs or the Hi-ToolKit software.

⁽²⁾ Sound pressure measurements were taken at 1 meter from the unit free field (refer to the technical catalog).

Compatible controls and accessories

Leak detector

SPX-RAFGLS

Pre-tax price:



Programmable wired control

SPX-WKT3

Pre-tax price:



Infrared remote control

SPX-RCKA1 for ducted
SPX-RCKA2 for RAK-60RPE
SPX-RCKA3 for cassette

Pre-tax price:



Simplified wired control

SPX-RCDB

Pre-tax price:

Multi-splits

Indoor units

Ducted



Ducted indoor units

They now feature static pressure control: from 40 to 150 Pa.

Plenums (optional)

- Air delivery plenum 2 x D200.
- Return plenum 2 x D200
(with or without filter holder).

Remote sensor (optional)

For maximum residential comfort
- Reference: SPX-RTH1
- Price (pre-tax):

Indoor units	Unit	RAD - 18QPE	RAD-25RPE	RAD-35RPE	RAD-50RPE	RAD-60RPE
Capacity Cooling (min-max)	kW	1.80 (0.90 - 2.50)	2.50 (0.90 - 3.00)	3.50 (0.90 - 4.00)	5.00 (1.20 - 5.80)	6.00 (1.20 - 6.50)
Capacity Heating (min-max)	kW	2.50 (0.90 - 3.20)	3.50 (0.90 - 5.50)	4.80 (0.90 - 6.60)	6.00 (1.20 - 6.80)	7.00 (1.20 - 8.00)
Capacity at full charge at -7°C ⁽¹⁾	kW	*	2.50	3.20	4.20	5.00
Sound pressure Cooling (Very low - Low - Medium - High) ⁽²⁾	dB(A)		30/33/37/41		29/32/35/39	
Sound pressure Heating (Very low - Low - Medium - High) ⁽²⁾	dB(A)	330/390/450/510		30/34/38/42	29/32/35/40	
Sound pressure ⁽²⁾	dB(A)		57		53	
Air flow Cooling (Very low - Low - Medium - High)	m ³ /h		330/390/450/510		350/540/800/1140	
Static pressure (Low - Medium - High)	Pa		*/ */ 70		50/100/150	
Dehumidification	l/h	1.4		1.6	2.8	2.8
Dimensions (H x W x D)	mm		235 x 750 x 400		270 x 900 x 720	
Condensate pipe diameter (out)	mm			16		
Condensate pump				YES		
Pipe diameter (Liq/gas)	Inch			1/4 - 3/8	1/4 - 1/2	
Weight	kg		16		35	
Electrical power	V				220 - 230V	
Cable diameter (EN 60 335-1)	mm ²		1.50 x 3+T		2.50 x 3+T	
Remote control			Not supplied (SPX-RCKA1 / SPX-RCDB / SPX-WKT3)			
Indoor unit price (pre-tax)	(pre-tax)					
	(pre-tax)					

* Information pending.

Reference	Description	Length	Height	Depth	Compatibility	Number of connections
PIM1SOURADNH	PLENUM ISOLATED M1 2XD200 AIR DELIVERY	720	200	300+50	RAD-18QPE* / RAD 25-35RPE	2 x 200
PIM1REPRADNH	PLENUM ISOLATED M1 2XD200 RETURN	655	205	200+50	RAD-18QPE / RAD 25-35RPE	2 x 200
PIM1REPRADNH	PLENUM ISOLATED M1 FilterHolder 2XD200 RETURN	655	205	200+50	RAD-18QPE / RAD 25-35RPE	2 x 200
PIM1SOURADDH	PLENUM ISOLATED M1 3XD200 AIR DELIVERY	810	225	250+50	RAD-50-60RPE / RAD-70PPD	3 x 200
PIM1REPRADDH	PLENUM ISOLATED M1 2XD200 RETURN	820	225	200+50	RAD-50-60RPE / RAD-70PPD	2 x 200

* Available in multi only

Connected and user-friendly interfaces



Airzone Blueface thermostat

Wired connection/3.5" touchscreen: Configurable as Main or zone thermostat. Numerous functions and settings, ideal for maximum control of your entire system: more efficient and responsible heating. Complete and user-friendly interface. Eco-adapt function and standby function for real energy savings. Control the temperature, operating mode and ventilation speed. Timer. Access forecasts (via the Webserver Airzone Cloud connection) to anticipate weather changes.



Airzone Think thermostat

Wired or remote connection/2.7" screen: Configurable as Main or zone thermostat. Low consumption device: the easy way to cut energy costs. Attractive and user-friendly interface. Control the temperature, operating mode and ventilation speed. Access forecasts (via the Webserver Airzone Cloud connection) to anticipate weather changes.



Airzone Lite thermostat

Wired or remote connection: Within an installation with the Blueface interface, this is the ideal solution for rapid access to main functions. Its modern and fun interface uses colors to indicate the mode and zone temperature. Zone start/stop function. Control the temperature setting by 1°C increments with amplitudes of ±3°C.



Airzone Cloud webserver

The Airzone Cloud application for smartphone, tablet and PC offers full remote control of the installation anywhere, anytime! Several servers and up to 32 systems can be controlled simultaneously with a single webserver. All your thermostat functions are located in the Cloud: Temperature control, timer, Weather forecasts, access rights...

Interface	Airzone Blueface	Airzone Think	Airzone Lite	Airzone Cloud webserver
Reference	AZCE6BLUEFACEB	AZCE6THINKCB	AZCE6LITECB	AZX6WSCLOUDDINC
Remote Connection	-	AZCE6THINKRB	AZCE6LITERB	AZX6WSCLOUDDIR
10M cable	AZX6CABLEBUS10	AZX6CABLEBUS10	AZX6CABLEBUS10	AZX6CABLEBUS10

	Ducted References	Capacity	Plenum version	Motorized air delivery plenums						Return plenum
				2 outputs	3 outputs	4 outputs	5 outputs	6 outputs		
Residential Application	RAD-RPE	5.0kW 6.0kW 7.0kW	Standard	AZEZ6HITST03M2 930 x 300 x 454	AZEZ6HITST03M3 930 x 300 x 454	AZEZ6HITST03M4 1140 x 300 x 454	AZEZ6HITST03M5 1425 x 300 x 454	AZEZ6HITST03M6 1638 x 300 x 454	AZCEZHIPR03M 818 x 223.8 (2xD250)	
			Public price pre-tax							
			Medium	AZEZ6HITBS03M2 930 x 250 x 454	AZEZ6HITBS03M3 930 x 250 x 454	AZEZ6HITBS03M4 1140 x 250 x 454	AZEZ6HITBS03M5 1425 x 250 x 454	AZEZ6HITBS03M6 1638 x 250 x 454		
			Public price pre-tax							
			Standard	AZEZ6HITST04S2 930 x 300 x 454	AZEZ6HITST04S3 930 x 300 x 454	AZEZ6HITST04S4 1140 x 300 x 454				AZCEZHIPR04S 647.2 x 208.1 (1x D250)
			Medium	AZEZ6HITBS04S2 930 x 250 x 454	AZEZ6HITBS04S3 930 x 250 x 454	AZEZ6HITBS04S4 1140 x 250 x 454				
			Public price pre-tax							

There are two versions of plenums available: standard version (300 mm) and medium version with new air supply (250 mm). Plenum dimensions are indicated under the reference.

Compatible controls and accessories

Programmable wired control
SPX-WKT3
Pre-tax price:

Infrared remote control
SPX-RCKA1 for ducted
SPX-RCKA2 for RAK-60RPE
SPX-RCKA3 for cassette
Pre-tax price:

Simplified wired control
SPX-RCDA
Pre-tax price: