

1 SPECIFICATIONS

1.1. WALL TYPE (RAK-XJ25RHAE/XJ35RHAE/XJ50RHAE)

INDOOR	Unit	RAK-XJ25RHAE	RAK-XJ35RHAE	RAK-XJ50RHAE
Nominal capacity adjustable		no	no	no
Nominal Cooling capacity (min - max)	kW	2.50 (0.90 - 3.10)	3.50 (0.90- 4.00)	5.00 (1.90- 5.20)
Cooling sensible capacity	kW	2.50	3.20	3.70
Nominal Heating capacity (min - max)		3.20 (0.90- 4.40)	4.00 (0.90- 5.00)	6.00 (2.20- 7.30)
Noise level cooling (sound pressure) (SL / L / M / H / SH)	dB(A)	21/27/33/40/43	21/29/34/41/44	25/31/38/43/46
Noise level heating (sound pressure) (SL / L / M / H / SH)	dB(A)	21/28/34/40/44	21/29/35/41/45	25/31/39/44/48
Noise level (sound power)	dB(A)	57	58	60
Air flow cooling mode (SL / L / M / H / SH)	m ³ /h	230/300/420/590/680	230/325/485/650/720	260/350/510/680/740
Air flow heating mode (SL / L / M / H / SH)	m ³ /h	290/390/530/700/780	290/430/605/750/860	350/470/665/820/940
Fan Motor	W	30	30	30
Dehumidification	l/h	1.4	1.6	2
Dimensions (H x W x D)	mm	294 x 950 x 230	294 x 950 x 230	294 x 950 x 230
Weight	kg	11	11	11
Colour		Star White (ZYY8001)	Star White (ZYY8001)	Star White (ZYY8001)
Condensate Drain	mm	φ 16	φ 16	φ 16
Running current (C/H)	A	1.09-4.35/1.09-5.22	1.09-6.09/1.09-6.96	2.17-9.13/2.17-11.74
Power supply		220-240V	220-240V	220-240V
Cable section (interconnection)	mm ²	1.50x 3+EARTH/-	1.50x 3+EARTH/-	2.50x 3+EARTH/-
Piping diameter (Liq / Gas)	Inch	1/4" / 3/8"	1/4" / 3/8"	1/4" / 1/2"
Drain diameter (ext)	mm	φ 16	φ 16	φ 16
Remote control (standard/optional)		RC-BGH1FA0G/ SPX-URFG	RC-BGH1FA0G/ SPX-URFG	RC-BGH1FA0G/ SPX-URFG
Filter				
ACL Filter Optional		Anti Virus Filter	Anti Virus Filter	Anti Virus Filter
ACL part name		SPX-VSZ1	SPX-VSZ1	SPX-VSZ1
Pre-filter(Standard/Optional)		STAINLESS/-	STAINLESS/-	STAINLESS/-

NOTE:

1. The nominal cooling and heating capacity is the combined capacity of the HITACHI standard split system, and are based on the ISO 5151.

Operation Conditions		Cooling	Heating
Indoor Air Inlet Temperature	dB	27.0 °C	20.0 °C
	WB	19.0 °C	15.0 °C
Outdoor Air Inlet Temperature	dB	35.0 °C	7.0 °C
	WB	24.0 °C	6.0 °C
Piping Length: 5.0 meters; Piping Lift: 0 meter dB: Dry Bulb; WB: Wet Bulb			

2. The Sound Pressure Level is based on the following conditions:

- 0.8 meter beneath indoor height center
- 1 meter from Discharge grille

The above data was measured in an anechoic chamber. Please take into consideration reflected sound of your specific site

1.2. WALL TYPE (RAC-XJ25WHAE/XJ35WHAE/XJ50WHAE)

OUTDOOR		Unit	RAC-XJ25WHAE	RAC-XJ35WHAE	RAC-XJ50WHAE
Nominal Cooling capacity (min - max)		kW	2.50 (0.90 - 3.10)	3.50 (0.90- 4.00)	5.00 (1.90- 5.20)
Nominal Heating capacity (min - max)		kW	3.20 (0.90- 4.40)	4.00 (0.90- 5.00)	6.00 (2.20- 7.30)
Nominal cooling power input (min - max)		kW	0.481 (0.25 - 1.00)	0.814 (0.25 - 1.40)	1.429 (0.50 - 2.10)
Nominal heating power input (min - max)		kW	0.593(0.25 - 1.20)	0.800(0.25 - 1.60)	1.463(0.50 - 2.70)
EER / COP			5.20/5.40	4.30/5.00	3.50/4.10
SEER / SCOP			9.50/5.20	9.00/5.20	7.60/4.70
Energy class (SEER/SCOP)			A+++/A+++	A+++/A+++	A++/A++
Noise level cooling (sound pressure)		dB(A)	47	48	51
Noise level heating (sound pressure)		dB(A)	48	50	51
Noise level (sound power)		dB(A)	61	62	65
Air flow (Cooling / Heating)		m ³ /h	1860 / 1620	1920 / 1620	2160 / 2160
Dimensions (H x W x D)		mm	600x792x299	600x792x299	736× 800× 350
Weight		kg	35.8	35.8	51
Colour (Munsell Code)			Beige (5Y7/2)	Beige (5Y7/2)	Beige (5Y7/2)
Power supply		V/Ph/Hz	220-240V / 1Ph / 50Hz	220-240V / 1Ph / 50Hz	220-240V / 1Ph / 50Hz
Recommended fuse size		A	15	15	25
Starting current(C/H)		A	2.86/3.59	4.54/4.52	6.51/6.67
Running current (C/H)		A	1.09-4.35/1.09-5.22	1.09-6.09/1.09-6.96	2.17-9.13/2.17-11.74
Cable section (power)		mm ²	1.50x 2+EARTH	1.50x 2+EARTH	2.50x 2+EARTH
Cable section (Interconnection)		mm ²	1.50x 3+EARTH	1.50x 3+EARTH	2.50x 3+EARTH
Piping diameter (Liq / Gas)		Inch	1/4" / 3/8"	1/4" / 3/8"	1/4" / 1/2"
Minimum piping length		m	3	3	3
Maximum piping length / height difference		m	20 / 10	20 / 10	30/10
Current quantity of refrigerant / Chargeless		kg	1.030	1.030	1.300
Chargeless length / Additional refrigerant charge		m / g/m	20/-	20/-	30/-
Working range (cooling / heating)		°C	-10℃—46℃/-20℃—21℃	-10℃—46℃/-20℃—21℃	-10℃—46℃/-20℃—21℃
Refrigerant			R32	R32	R32
Condenser Fan			Propeller Fan	Propeller Fan	Propeller Fan
Compressor	Type		ROTARY	ROTARY	2 Cylinder Rotary
	Oil Charge	mL	320±20	320±20	480±20
	Oil Type		ACS-68R or equivalent	ACS-68R or equivalent	ACS-68R or equivalent
	Coil resistance	Ω	2.53 at 20℃	2.53 at 20℃	1.354 at 20℃
	Quantity		1	1	1

NOTE:

1. The Sound Pressure Level is based on the following conditions:

- 1 meter from the unit front surface and 1 meter from floor level

The above data was measured in an anechoic chamber. Please take into consideration reflected sound of your specific site