

2.2.11. WALL TYPE (RAK-50PPA/60PPA/70PPA)

INDOOR	Unit	RAK-50PPA	RAK-60PPA	RAK-70PPA
Nominal capacity adjustable		-	-	-
Nominal Cooling capacity (min - max)	kW	5.0(0.9-5.2)	6.10 (0.9-6.5)	7.00 (1.5-8.00)
Cooling sensible capacity	kW	3.5	4.4	5.4
Nominal Heating capacity (min - max)	kW	6.00 (0.9-8.1)	6.80 (0.9-8.5)	8.00 (1.5-9.2)
Noise level cooling (sound pressure) (SL / L / M / H)	dB(A)	24/28/39/47	30/33/42/48	30/33/42/47
Noise level heating (sound pressure) (SL / L / M / H)	dB(A)	27/31/39/47	33/34/42/49	30/33/42/47
Noise level (sound power)	dB(A)	60	63	61
Air flow cooling mode (SL / L / M / H)	m ³ /h	246/330/540/750	480/540/690/930	510/630/870/1020
Air flow heating mode (SL / L / M / H)	m ³ /h	330/420/570/750	480/510/720/1050	510/630/870/1080
Fan Motor	W	30	30	30
Drain pump pressure lift	cm	-	-	-
Static pressure (SL / L / M / H) (nominal conditions SP 00)	Pa	-	-	-
Dehumidification	l/h	2.8	2.8	4.5
Included drain pump		-	-	-
Max. height available for drain pump (RAD/RAI only)		-	-	-
Dimensions (H x W x D)	mm	300X790X230	295x1030x207	333x1150x245
Panel dimensions (H x W x D)	mm	-	-	-
Weight	kg	10.0	12.0	15.0
Colour (Munsell Code)		Clear White (*ZLL159M)		
Condensate Drain	mm	φ16	φ16	φ16
Panel weight	kg	-	-	-
Panel reference		-	-	-
Color of the panel (RAL)		-	-	-
Running current	A	7.15~6.56/7.60~7.00	8.5~7.8/8.6~7.9	9.95~9.10 / 10.10~9.30
Power supply		35 V DC from outdoor unit	35V DC & 230V , 1Ph , 50Hz from outdoor unit	35V DC & 230V , 1Ph , 50Hz from outdoor unit
Cable section	mm ²	N/A	N/A	N/A
Piping diameter (Liq / Gas)		1/4" / 1/2"	1/4" / 1/2"	1/4" / 5/8"
Drain diameter (ext)	mm	φ16	φ16	φ16
Remote control (standard/optional) *		RAR-5E1/ SPX-RCDB	RAR-5E2/ SPX-RCDB	RAR-5E1/ SPX-RCDB
Filter				
ACL Filter		Wasabi	Wasabi	Wasabi
Dimensions (H x W x D)	mm	48x243x5	48x243x5	48x243x5
Pre-filter (Standard / Optional)		Washable / Stainless	Washable / Stainless	Washable / Stainless

*more information regarding remote control can be found in Chapter 9

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	
Outdoor Air Inlet Temperature	dB	35.0 °C	7.0 °C
	WB		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

2.2.12. WALL TYPE (RAC-50WPA/60WPA/70WPA)

OUTDOOR		UNIT	RAC-50WPA	RAC-60WPA	RAC-70WPA
Minimum / Maximum indoor units connectable			-	-	-
Minimum / Maximum connected capacity			-	-	-
Nominal Cooling capacity (min - max)		kW	5.0(0.9-5.2)	6.10 (0.9-6.5)	7.00 (1.5-8.00)
Nominal Heating capacity (min - max)		kW	6.00 (0.9-8.1)	6.80 (0.9-8.5)	8.00 (1.5-9.2)
Nominal cooling power input (min - max)		kW	1.56 (0.155-1.900)	1.85 (0.155-2.300)	2.17 (0.200-2.820)
Nominal heating power input (min - max)		kW	1.66(0.155-2.010)	1.88 (0.120-2.550)	2.2 (0.200-2.970)
EER / COP			3.21/3.61	3.30 /3.62	3.23/3.64
SEER / SCOP			6.1/4.3	6.0/4.0	6.8/4.4
Energy class (SEER/SCOP)			A+/A+	A+/A+	A+/A+
Noise level cooling (sound pressure)		dB(A)	50	50	52
Noise level heating (sound pressure)		dB(A)	52	53	54
Noise level (sound power)		dB(A)	65	66	67.0
Air flow (Cooling / Heating)		m³/h	2160/2160	2160/2160	2820/2820
Static pressure (nominal conditions, maximum)		Pa	-	-	-
Dimensions (H x W x D)		mm	650x850x298	650x850x298	800x850x298
Weight		kg	45.0	45.0	55.0
Colour (Munsell Code)			Beige (5Y 7/2)		
Power supply			220-230V , 1Ph , 50Hz	220-230V , 1Ph , 50Hz	220-230V , 1Ph , 50Hz
Recommended fuse size		A	16	20	30
Starting current		A	10.0	8.5	10.0
Running current		A	7.15-6.56/7.60-7.00	8.50-7.80/8.60-7.90	9.95~9.10 / 10.10~9.30
Cable section		mm²	Ø2.0	2.500	2.500
Interconnection between indoor unit and outdoor unit		mm²	Ø1.6 OR Ø2.0	2x2.5 + 2x1.6 or 2.0	2x2.5 + 2x1.6 or 2.0
Piping diameter (Liq / Gas)			1/4" / 1/2"	1/4" / 1/2"	1/4" / 5/8"
Minimum piping length		m	3.0	3.0	3.0
Maximum piping length / height difference		m	20 / 10	30 / 20	30 / 20
Current quantity of refrigerant / Chargeless		kg	1.65	1.65	1.85
Chargeless / Additional refrigerant charge		m / g/m	8/10	30 / chargeless	30 / chargeless
Working range (cooling / heating)		°C	-10 ~ 43 / -15 ~ 21	-10 ~ 43 / -15 ~ 21	-10 ~ 43 / -15 ~ 21
Refrigerant			R410A	R410A	R410A
Condenser Fan			Propeller Fan		
Compressor	Type		2-Cylinder Rotary	2-Cylinder Rotary	2-Cylinder Rotary
	Oil Type		HAF68D1	HAF68D1	HAF68D1
	Oil Charge	ml	480	480	580
	Coil Resistance	Ω	1.767 at 20°C	1.298 at 20°C	1.298 at 20°C
			2.1649 at 75°C	1.767 at 75°C	1.767 at 75°C
	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