

2.1. MULTIZONE INDOOR SERIES

2.1.1. WALL TYPE (RAK-18NHA1/25NHA1/35NHA1/50NHA1)

Model		RAK-18NHA1	RAK-25NHA1	RAK-35NHA1	RAK-50NHA1
Power Supply		From Outdoor Unit	From Outdoor Unit	From Outdoor Unit	From Outdoor Unit
Nominal Cooling Capacity	kW	From Outdoor Unit	From Outdoor Unit	From Outdoor Unit	From Outdoor Unit
Cooling Power Input	W	From Outdoor Unit	From Outdoor Unit	From Outdoor Unit	From Outdoor Unit
Nominal Heating Capacity	kW	From Outdoor Unit	From Outdoor Unit	From Outdoor Unit	From Outdoor Unit
Heating Power Input	W	From Outdoor Unit	From Outdoor Unit	From Outdoor Unit	From Outdoor Unit
Dehumidifying Capacity	L/h	1.2	1.4	1.8	2.8
Indoor Fan Air Flow Rate (Hi/Me/Lo)	m ³ /min	7.3/6.7/5.8	8.5/7.0/6.0	10.1/8.0/6.5	13.5/10.0/6.8
Fan Motor	W	25	25	25	25
Drain Pump Pressure Lift	cm	-	-	-	-
Sound Pressure Level (Overall Scale) (Hi/Me/Lo/Sleep)	dB (A)	(C) 35-30-26-20 (H) 36-33-27-23	(C) 38-32-26-20 (H) 39-33-27-23	(C) 41-35-29-25 (H) 41-35-30-26	(C) 47-39-31-27 (H) 47-39-31-27
Refrigerant Type		R410A	R410A	R410A	R410A
Pipe Sizes	mm	6.35 / 9.52	6.35 / 9.52	6.35 / 9.52	6.35 / 12.7
Pipe Sizes	(in)	(1/4), (3/8)	(1/4), (3/8)	(1/4), (3/8)	(1/4), (1/2)
Electrical Data					
Power Cable	No.	From Outdoor Unit	From Outdoor Unit	From Outdoor Unit	From Outdoor Unit
Cable Size	Ø mm	-	-	-	-
Interconnection Wires	No.	2pcs + Earth	2 pcs + Earth	2 pcs + Earth	2 pcs + Earth
Wire Size	mm ²	2.0	2.0	2.0	2.0
Dimensions					
Width	mm	780	780	780	780
Height	mm	280	280	280	280
Depth	mm	210	210	210	210
Net Weight	kg	9	9	9	9
Colour (Munsell Code)		Pearl White(N9.25)	Pearl White(N9.25)	Pearl White(N9.25)	Pearl White(N9.25)
Condensate Drain	mm	Ø16 OD	Ø16 OD	Ø16 OD	Ø16 OD
Features					
Auto Restart	yes/no	Yes	Yes	Yes	Yes
Auto Changeover	yes/no	No	No	No	No
Air Purifying Filter Type		SPX-CFH11	SPX-CFH11	SPX-CFH11	SPX-CFH11

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: 7.5 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 so that reflected sound should be taken into consideration when installing the unit.

2.1.2. WALL TYPE (RAK-60NHA1/70NHA1)

Model		RAK-60NHA1	RAK-70NHA1
Power Supply		From Outdoor Unit	From Outdoor Unit
Nominal Cooling Capacity	kW	From Outdoor Unit	From Outdoor Unit
Cooling Power Input	W	From Outdoor Unit	From Outdoor Unit
Nominal Heating Capacity	kW	From Outdoor Unit	From Outdoor Unit
Heating Power Input	W	From Outdoor Unit	From Outdoor Unit
Dehumidifying Capacity	L/h	3.5	4.5
Indoor Fan Air Flow Rate (Hi/Me/Lo)	m ³ /min	13.5/12.5/11.3	14.0/12.5/11.3
Fan Motor	W	28	35
Drain Pump Pressure Lift	cm	-	-
Sound Pressure Level (Overall Scale) (Hi/Me/Lo/Sleep)	dB (A)	(C) 47-42-33-28 (H) 47-42-34-33	(C) 48-42-33-30 (H) 49-42-33-33
Refrigerant Type		R410A	R410A
Pipe Sizes	mm	6.35 / 12.7	6.35 / 15.88
Pipe Sizes	(in)	(1/4) , (1/2)	(1/4), (5/8)
Electrical Data			
Power Cable	No.	From Outdoor Unit	From Outdoor Unit
Cable Size	Ø mm	-	-
Interconnection Wires	No.	2pcs + Earth	2 pcs + Earth
Wire Size	mm ²	2.0	2.0
Dimensions			
Width	mm	1030	1030
Height	mm	295	290
Depth	mm	207	207
Net Weight	kg	11	11
Colour (Munsell Code)		Pearl White(N9.25)	Pearl White(N9.25)
Condensate Drain	mm	Ø16 OD	Ø16 OD
Features			
Auto Restart	yes/no	Yes	Yes
Auto Changeover	yes/no	No	No
Air Purifying Filter Type		SPX-CFH5	SPX-CFH5

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: 7.5 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 so that reflected sound should be taken into consideration when installing the unit.