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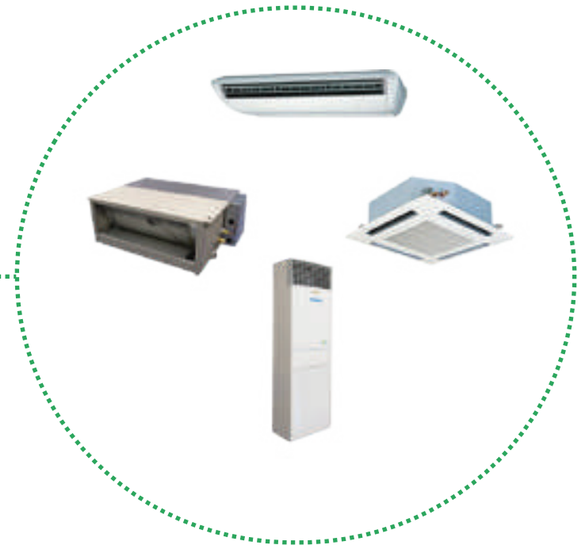
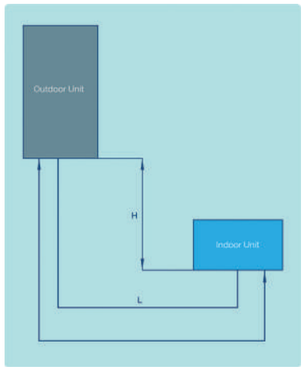
Four Indoor Unit Options

The compatible Indoor unit comes in four (4) options, namely,
4-way Ceiling Cassete Type, Ceiling Mounted Type,
Inverter Slim Type and In-the-Ceiling Type.



Flexible Installations

The Utopia air conditioner series is optimized for long piping installation of up to 75 meters
(In this example, only one refrigerant pipe is used. In actual installation, however, separate pipes should be used for refrigerant and refrigeration oil.)



Outdoor Unit Model			RAC-1125QB	RAC-140SQB	RAC-160SQB
Total Pipe Length: L			70	75	75
Max Pipe Length (Actual): H		When the outdoor unit is higher than the indoor unit.	30	30	30
		When the outdoor unit is lower than the indoor unit.	20	20	20
Refrigerant Pipe Size	Gas	Indoor	15.88	15.88	15.88
		Outdoor	15.88	15.88	15.88
	Liquid	Indoor	6.35/9.53	6.35/9.53	6.35/9.53
		Outdoor	9.53	9.53	9.53

Single Refrigerant Piping System

The Single refrigerant piping system can reduce your use of refrigerant, and the pipelines are streamlined for easy installation and less space consumption.The outdoor unit can be used for pipe connections in all directions: front, back and bottom.

UTOPIA with Full DC Inverter Technology

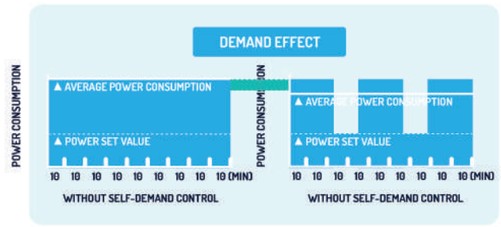
UTOPIA has the powerful cooling efficiency
of DC inverter technology packed in a smaller size---
it is 21% lighter than your regular commercial-cum-residential
split system. Designed with Hitachi's innovative
Full DC Inverter Technology, its DC fan motors consume
less power, hence giving you more cost savings.

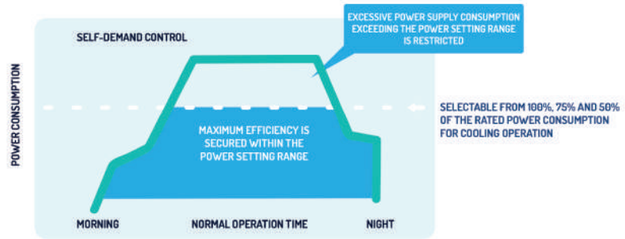
REVOLUTIONARY R410A REFRIGERANT

The eco-friendly R410A refrigerant was developed to replace R-22.
It has a lower ozone depletion potential.

SELF-DEMAND CONTROL

With self-demand control feature, the unit can detect the current by power rationing.
It automatically controls power consumption by detecting current and controlling its original external signals to select multiple operation modes ideal for different requirements.





THREE INNOVATIONS. ONE NAME IN AIR CONDITIONING

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INDOOR UNIT COMBINATIONS

Indoor Type		Ceiling Mounted		
Model Name (Outdoor)		RAC-112SQB	RAC-140SQB	RAC-160SQB
Model Name (Indoor)		RPC-4.0FSR	RPC-5.0FSR	RPC-6.0FSR
Power Supply		AC 1 Phase, 220V 60Hz		
Nominal Cooling Capacity	kW	11.2	14.0	16.0
CSPF		9.12	4.85	-
Star Rating		★★★★★	★★★★★	-
Cabinet Color		Neutral White		
Sound Pressure Level (Hi2/Hi/Me/Lo)	dB (A)	44/42/37/32	48/45/41/35	49/47/42/36
Outer Dimension H*W*D	mm	235*1,580*690	235*1,580*690	235*1,580*690
Net Weight	Kg	41	41	41
Refrigerant		R410A		
Air Flow Rate (Hi2/Hi/Me/Lo)	m3/min	30/26.5/22/17	35/31/25.5/20	37/32.5/27/21
Motor	W	160	160	160
Connections Refrigerant Piping		Flare-Nut Connection (with Flare Nuts)		
Liquid Line	mm	9.52	9.52	9.52
Gas Line	mm	15.88	15.88	15.88
Condensate Drain		VP20		
Approximate Packing Measurement	m3	0.38	0.38	0.38

Notes:

1.) The above cooling and heating capacities show the maximum capacities when the outdoor and indoor temperature are below condition.

Cooling Operation Conditions:
Indoor Air Inlet temperature: 27°C DB (80 °F DB) 19°C WB (66.2 °F WB)
Outdoor Air Inlet Temperature: 35°C DB (95°F DB)
Heating Operation Conditions:
Indoor Air Inlet temperature: 20°C DB (68°F DB)
Outdoor Air Inlet Temperature: 7°C DB (45°F DB)
Piping Length: 7.5 Meters Piping Lift: 0 Meters

2.) The sound pressure level is based on following conditions.
1 Meter Beneath the Unit and 1 Meter from Discharge Grille
The Above data was measure in an anechoic chamber so that reflected sound should be taken into consideration in field.

Indoor Type		Ceiling Concealed		
Model Name (Outdoor)		RAC-112SQB	RAC-140SQB	RAC-160SQB
Model Name (Indoor)		RPIH-4.0HNAUN1Q	RPIH-5.0HNAUN1Q	RPIH-6.0HNAUN1Q
Power Supply		AC 1 Phase, 220V 60Hz		
Nominal Cooling Capacity	kW	11.2	14.0	16.0
Sound Pressure Level (Hi2/Hi/Me/Lo)	dB (A)	43/39/34	44/41/37	48/42/37
Outer Dimension H*W*D	mm	300x1,175x800	300x1,475x800	300x1,475x800
Net Weight	Kg	45	53	54
Refrigerant		R410A		
Air Flow Rate (Hi2/Hi/Me/Lo)	m3/min	30/28/23	35.5/32/27	41/33/26
External Pressure*3	Pa	120 (90)	120 (90)	120 (90)
Connections Refrigerant Piping		Flare-nut Connection (with Flare Nuts)		
Liquid Line	mm	9.52	9.52	9.52
Gas Line	mm	15.88	15.88	15.88
Condensate Drain		VP 25		
Approximate Packing Measurement	m3	0.40	0.49	0.49

Notes:

1.) Cooling Operation Conditions:
Indoor Air Inlet temperature: 27°C DB (80 °F DB) 19°C WB (66.2 °F WB)
Outdoor Air Inlet Temperature: 35°C DB (95°F DB)
Piping Length: 7.5 Meters Piping Lift: 0 Meters
Heating Operation Conditions:
Indoor Air Inlet temperature: 20°C DB (68°F DB)
Outdoor Air Inlet Temperature: 7°C DB (45°F DB)
Piping Length: 7.5 Meters Piping Lift: 0 Meters

2.) The sound pressure level is based on following conditions.
1.4 meter beneath the unit with discharge duct (2.0m) and Return Duct (1.0m).
Voltage of the power source for the indoor fan motor is 220v
In case of the power source of 40V, The sound pressure level icnreases by about 1~2 dB
The above data was measured in an anechoic chamber so that reflected sound should be taken into considerantion in the field

3.) The data for external pressure *3 indicates "Standard Pressure Setting" values when a filter is not used

Indoor Type		Ceiling Cassette 4-WAY TYPE		
Model Name (Outoor)		RAC-112SQB	RAC-140SQB	RAC-160SQB
Model Name (Indoor)		RCI-4.0FSKDNQ	RCI-5.0FSKDNQ	RCI-6.0FSKDNQ
Power Supply		AC1 Phase 220V 60Hz		
Nomical Cooling Capacity	kW	11.2	14.0	16.0
CSPF		6.14	5.83	-
Star Rating		★★★★★	★★★★★	-
Indoor Fan Air Flow Rate (Hi/Me/Lo)	m^3/min	37/31/24/20	37/33/26/21	37/35/28/22
Sound Power Level	dB (A)	64	64	65
Outer Dimension (HxWxD)	mm	288x840x840		
Net Weight	kg	26		
Refrigerant		R410A		
Refrigerant pipe connection		Flare Nuts		
Liquid Line	mm (in)	9.52		
Gas Line	mm (in)	15.88		
Condensate Drain	mm	VP25		
Panel Model		P-N23NA2		
Panel Dimension HxWxD	mm	40x950x950		
Remote Control		PC-ARF1		
Approximate Packing Volume	m^3	0.25		

The data obtained is based on the operating conditions described in “Considerations”.

Notes:

1. The nominal cooling capacity is the combined capacity of the HITACHI standard split system, and is based on the JIS standard B8616.
   a. Cooling Operation Conditions:
      • Indoor Air Inlet Temperature 27°C DB (80°F DB) 1) 19.5°C WB (67°F WB) 2) 19.0°C WB (66.2°F WB) 35°C DB (95°F DB)
      • Outdoor Air Inlet Temperature 35°C DB (95°F DB)
   b. Heating Operation Conditions:
      • Indoor Air Inlet Temperature 20°C DB (68°F DB)
      • Outdoor Air Inlet Temperature 7°C DB (80°F DB) 6°C WB (43°F
      Piping Length: 7.5 Meters WB) Piping Lift: 0 Meter

2. The sound pressure level is based on the following conditions:

   1.5 Meters beneath the unit.
   The above data was measured in an anechoic chamber so that reflected sound should be taken into consideration in the field.

Indoor Type			Slim Type
Model Name (Outdoor)			RAC-140SQB
ModelName (Indoor)			RPS-140AN
Power Supply			AC 1 phase, 220V/60Hz
Nominal Cooling Capacity		kW	14.0
CSPF			4.35
Star Rating			★★★★★
Air Flow	Speed (HiH/HI/Me/Lo)	m^3/min	32/28/24
Fan Motor Type (output)		kWxQ'ty	0.15x1
Outer Dimension (indoor) (WxDxH)		mm	600*350*1,900
Outer Dimension (outdoor) (WxDxH)		mm	1,060*370*940
Main Refrigerant	Gas Line	mm	15.88
	Liquid Line		9.53
Net Weight (indoor)		kg	68
Net Weight (outdoor)		kg	76

GENERAL UNIT DATA

Model			RAC-112SQB	RAC-140SQB	RAC-160SQB
Indoor Unit			1		
Power Supply			AC 1phase 230V 60Hz		
Outer Dimensions (WxDxH)		mm	1,060x370x940		
Nominal Cooling Capacity		kW	11.2	14.0	16.0
Cooling Power Consumption		kW	2.80	4.24	5.33
Running Current	230V	A	13.5	20.5	25.8
Starting Current	230V	A	13.0		
Compressor Motor Output		kW	3.0		
Condenser Fan	Air Flow	m3/min	60	72	74
	Motor Output	kW(pole)	0.183 (8)		
Main Refrigerant Piping	Gas Line	mm	15.88 (with nut)		
	Liquid Line	mm	9.53 (with nut)		
Net Weight		kg	76		
Sound Pressure Level		dB(A)	52	57	58
Refrigerant		--	R410A		

Notes:
Data in Specification List is measured according to the following conditions:
- Cooling: Indoor Temperature is 27°C(DB) / 19.0°C(WB) Outdoor Temperature is 35°C(DB)
- Piping Length 7.5m • Piping Lift 0m
- Noise value is measured at 1.5m of distance away from the center portion of unit body.
- Noise value is measured in the anechoic chamber so that reflected sound should be taken into consideration in the field.