

# HITACHI

## PACKAGE AIR CONDITIONER



### THE NEXT GENERATION AIR CONDITIONING

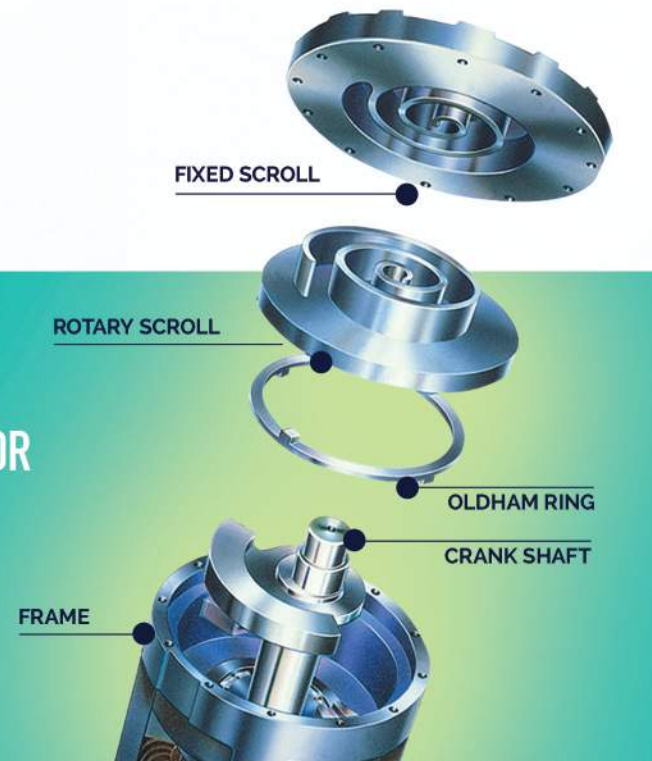




# HITACHI

## HIGH EFFICIENCY SCROLL COMPRESSOR

Hitachi's patented scroll compressor generates quick cooling, less vibrations and lower energy for virtually uninterrupted cooling operation.



## RUST PROOF

### DURABLE AND RUST PROOF

The unit's steel casing is glazed with a positive ion electrodeposition coating that effectively protects it from rust and corrosion caused by adverse weather conditions.

### THREE INNOVATIONS, ONE NAME IN AIR CONDITIONING

Japanese Technology, Taiwanese Design and Filipino Craftsmanship – Three great world-class innovations brought together to create one exceptional air conditioner.



### UNIQUE COMBINATION FOR BETTER ENERGY EFFICIENCY

The unique combination of the scroll compressor, evaporator and condenser greatly improves energy efficiency, prolonging cooling comfort while lowering operational costs at the same time.

### LONG PIPING

Piping length up to 50m gives you the flexibility to place the outdoor unit virtually anywhere.

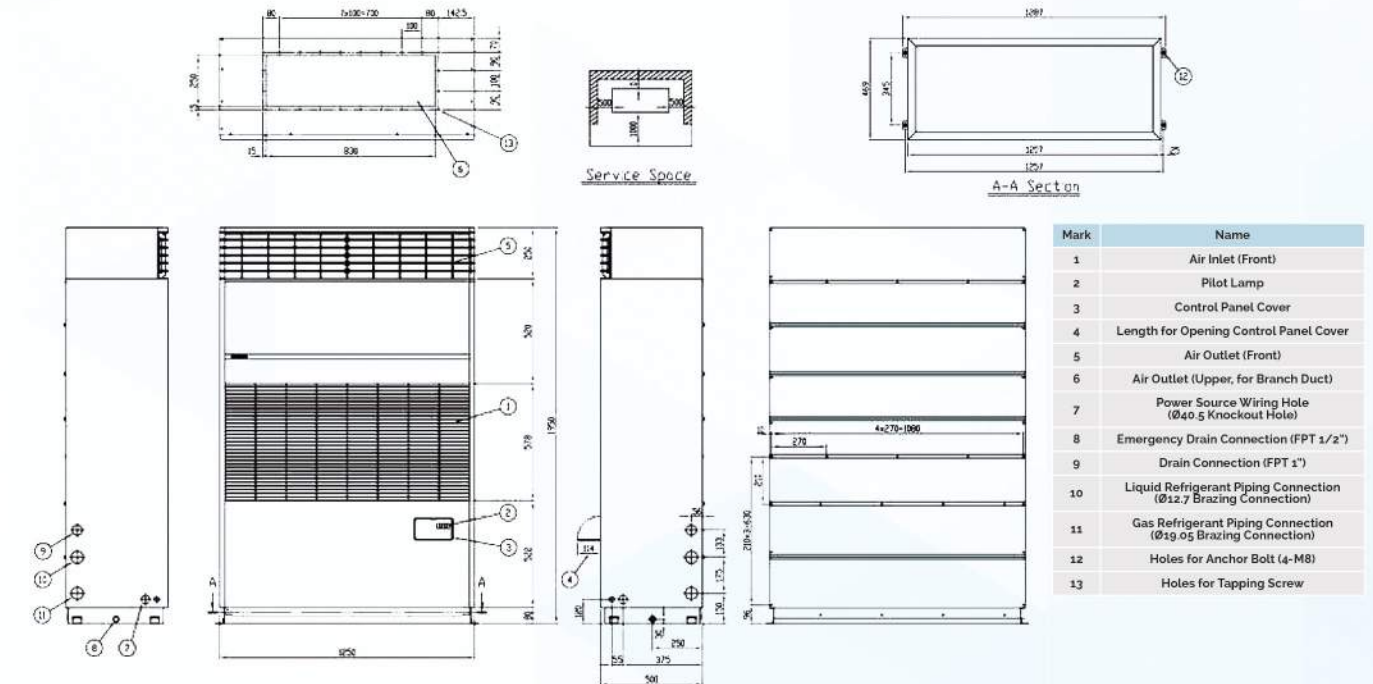
### OTHER FEATURES

- AUTO-OFF SAFETY DEVICE • QUIET OPERATION
- ACCESSORIES FOR FUNCTIONAL EXPANSION AVAILABLE

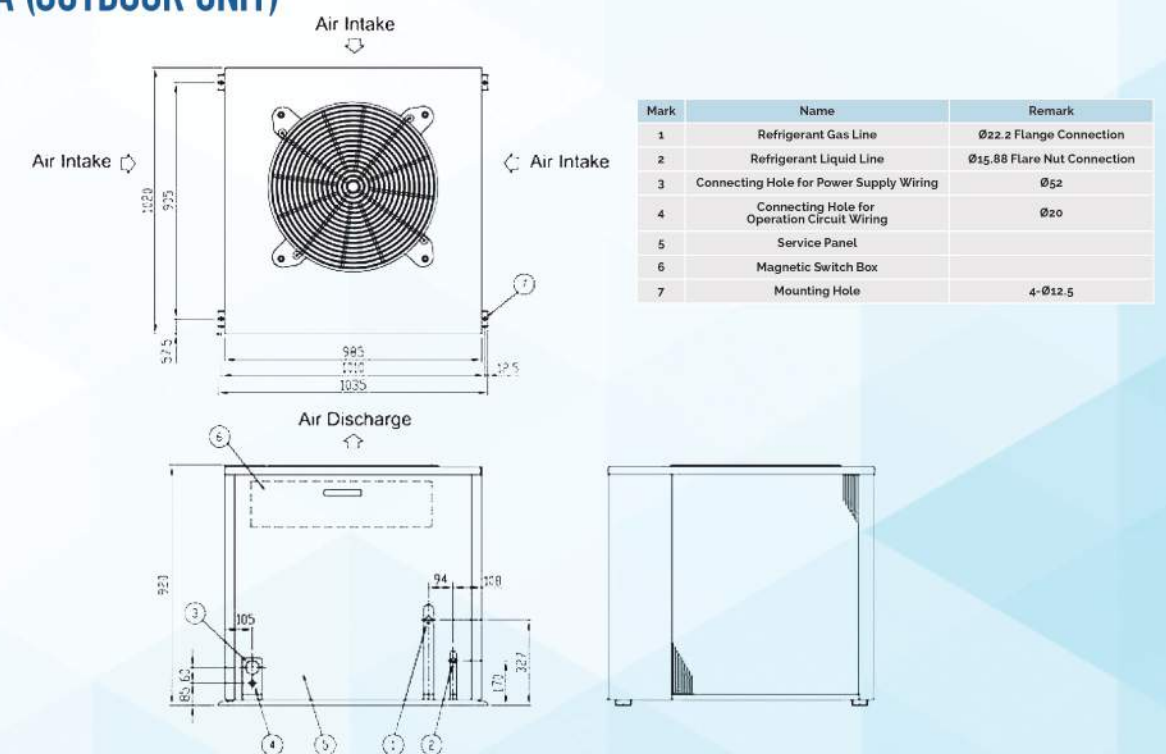
## UNIT DIMENSIONS

### AIR-COOLED FREE-BLOW TYPE

### RPS-84SA (L) (INDOOR UNIT)



### RAC-83SA (OUTDOOR UNIT)

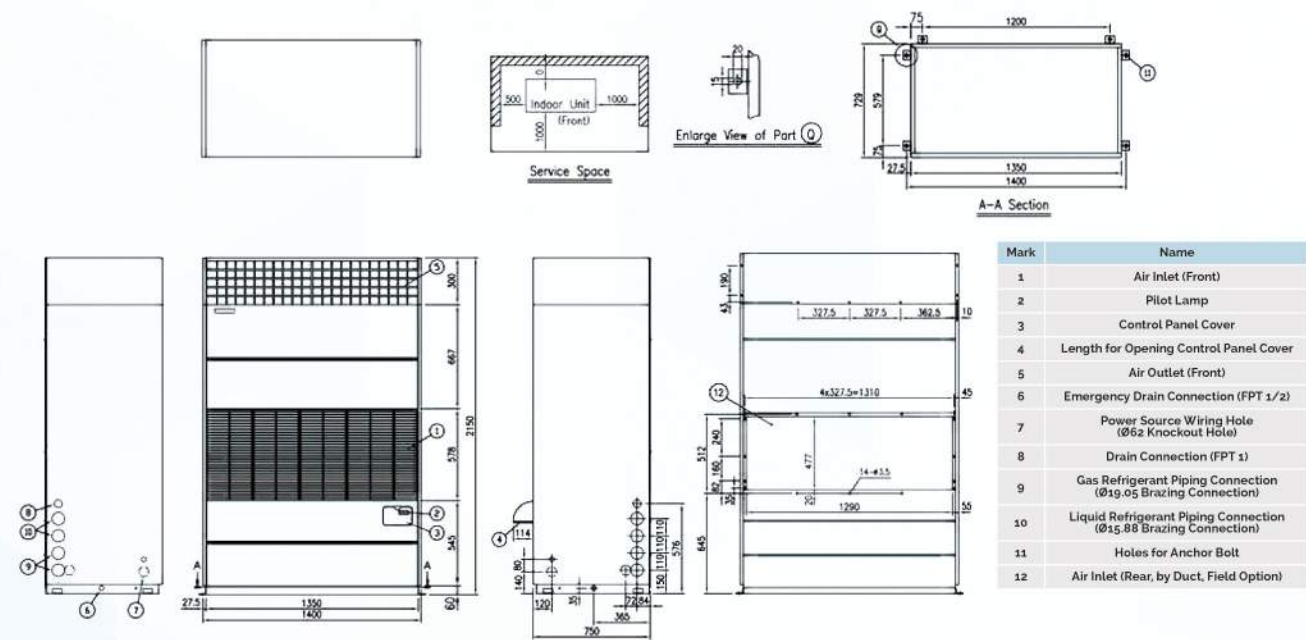




UNIT DIMENSIONS

AIR-COOLED FREE-BLOW TYPE

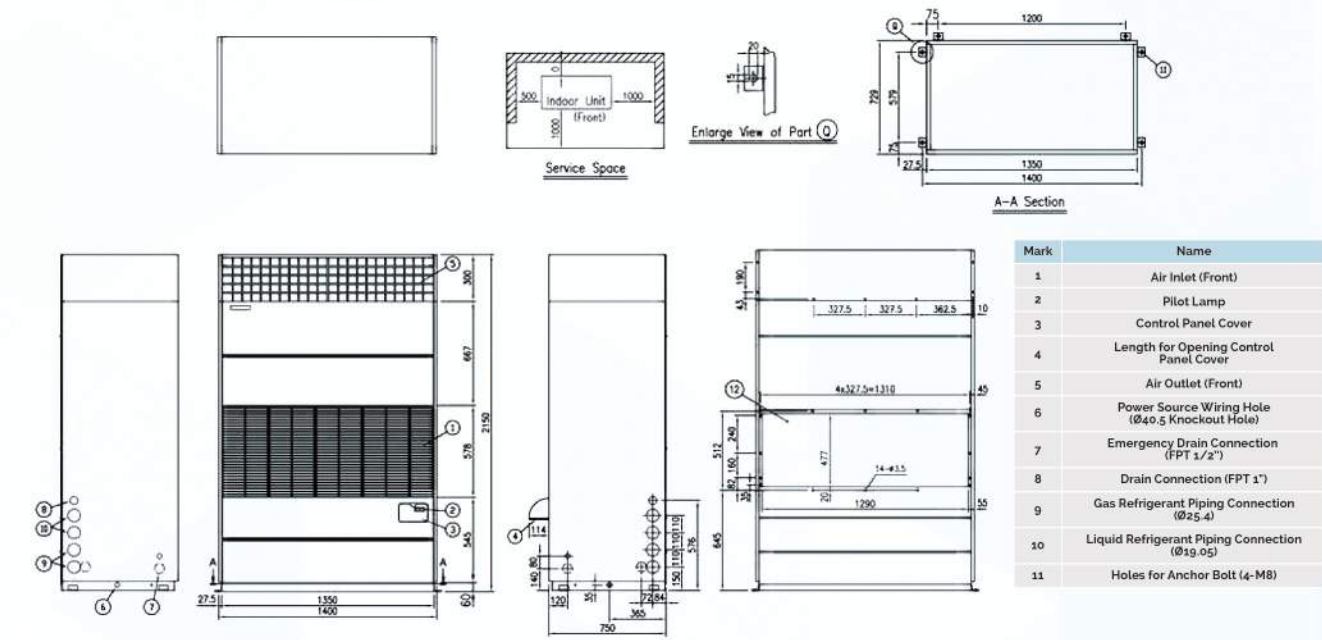
RP-155A (L) (INDOOR UNIT)



UNIT DIMENSIONS

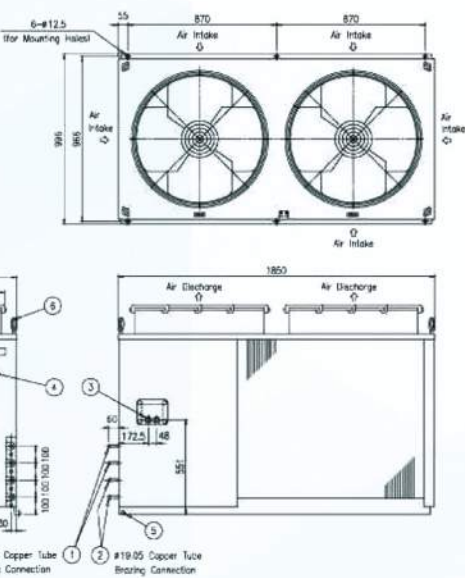
AIR-COOLED DUCT-CONNECTION TYPE

RP-155AL (INDOOR UNIT)



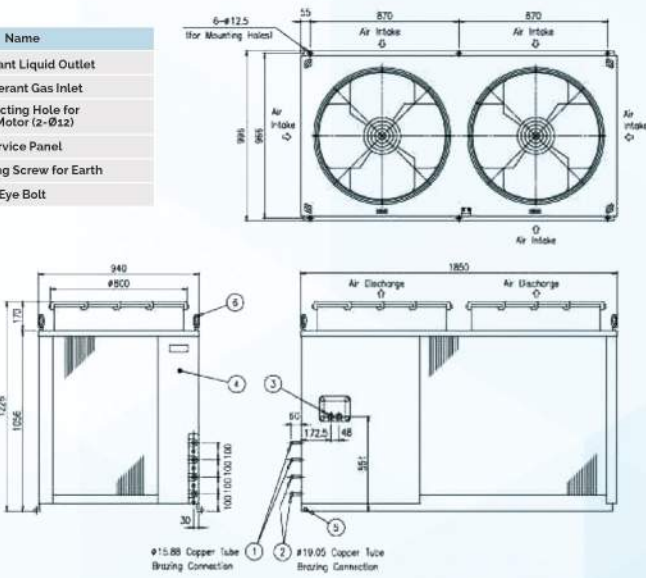
RCR-154SA (OUTDOOR UNIT)

Mark	Name	Remark
1	Refrigerant Liquid Outlet	Ø15.88 Copper Tube Brazing Connection
2	Refrigerant Gas Inlet	Ø19.05 Copper Tube Brazing Connection
3	Connecting Hole for Fan Motor	Ø12
4	Service Panel	
5	Connecting Screw for Earth	
6	Eye Bolt	



RCR-154SA (OUTDOOR UNIT)

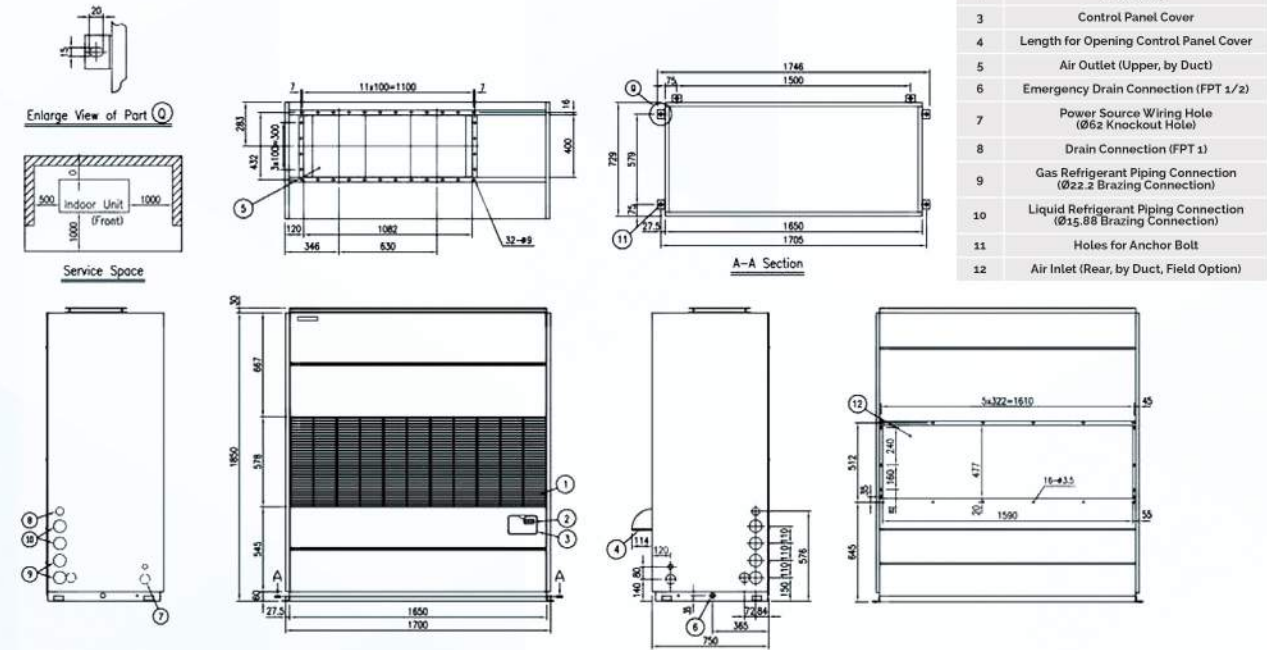
Mark	Name
1	Refrigerant Liquid Outlet
2	Refrigerant Gas Inlet
3	Connecting Hole for Fan Motor (2-Ø12)
4	Service Panel
5	Connecting Screw for Earth
6	Eye Bolt



# UNIT DIMENSIONS

## AIR-COOLED DUCT-CONNECTION TYPE

### RP-205AL (INDOOR UNIT)



### Air-Cooled Free-Blow / Duct Type

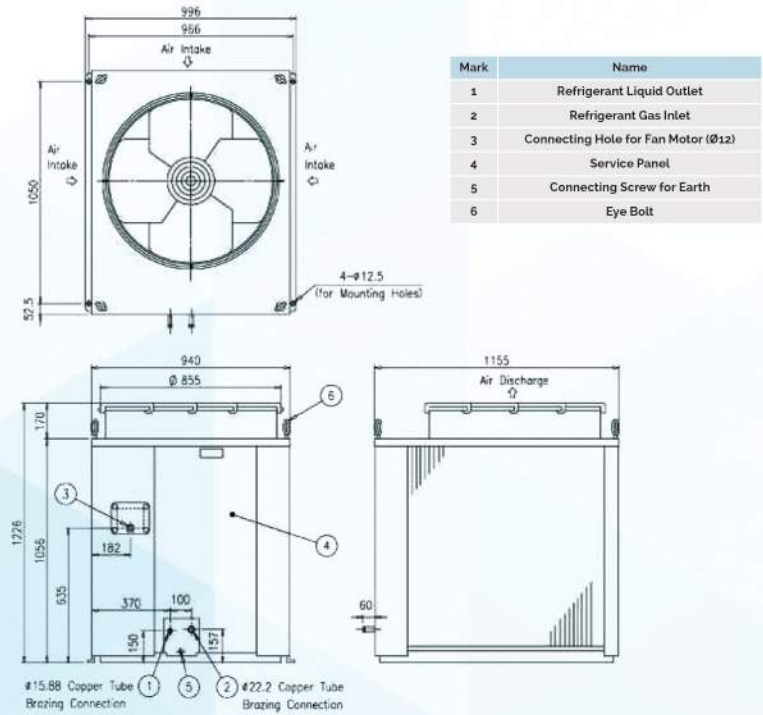
Model			RPS-84SA (L) + RAC 83SA		RPS-104SA (L) + RAC-103SA		RP-155A (L) + RCR-154SA		RP-205A (L) + RCR-104SA'2		
			Indoor	Outdoor	Indoor	Outdoor	Indoor	Outdoor	Indoor	Outdoor	
Nominal Cooling Capacity			hp	8	8	10	10	7.5'2	15	20	10'2
			W	22,400		29,000		46,100		65,100	
			kcal/h	20,000		25,000		40,000		56,000	
			Btu/h	80,000		100,000		160,000		224,000	
Capacity Control			%	100,0		100,0		100,0		100,50,0	
Electrical Specifications	Power Supply		AC 220/380 Volts 3 Phase 60 Hz								
	Input	kW	7.89		10.21		16.2		22.5		
Compressor	Type		Hermetic Scroll								
	Quantity		-	1	-	1	2	0	2	0	
Refrigerant	Type		R-22								
	Flow Control		CPT (Capillary Tube)								
	No. of Circuits		1		1		2		2		
Fan Data	Air Flow	cmm	66	160	88	160	130	330	180	220'2	
		cfm	2,330	5,650	3,108	5,650	4,590	11,650	6,360	7770'2	
	Motor	hp	0.5	0.80	1	0.80	2.00 (3)	0.40'2	5.00	0.53'2	
		kW	0.35	0.60	0.75	0.60	2.2	0.30'2	3.70	0.4	
		Qty	1	1	1	1	1	2	1	2	
	Outer S.P.	Pa	0 (80)	0	0 (80)	0	0 (80)	0	80	0	
		mmAq	0 (8)	0	0 (8)	0	0 (8)	0	8	0	
Condenser Type			Multi-Pass Cross-Finned Tube								
Evaporator Type			Multi-Pass Cross-Finned Tube								
Refrigerant Pipe	Liquid	in	5/8		3/4		5/8'2		5/8'2		
		mm	15.88		19.05		15.88'2		15.88'2		
	Gas	in	7/8		1		3/4'2		7/8'2		
		mm	22.2		25.4		19.05'2		22.2'2		
Drain Pipe Size	Condensate	in	1	1	1	1	1	1	1	1	
	Emergency	in	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	
Outer Dimensions	Height	mm	1950	920	1950	920	1850*30	1,226	1850*30	1,226	
	Width	mm	1,250	985	1,400	985	1,400	1,850	1,700	1,155	
	Depth	mm	500	1,020	500	1,020	750	940	750	940	
Weight	Net	kg	135	220	140	220	440	180	530	115	
	Packing	kg	180	260	200	260	480	220	580	140	

Notes:  
1. The nominal cooling capacity is based on the standard of JIS B8616-1999  
Evaporator Air Inlet Temperature 27°C DB (80.6°F DB)  
19°C WB (66.2°F WB)  
Condenser Air Inlet Temperature 30°C DB (86°F DB)

Working Range:  
Evaporator Air Inlet Temperature at Standard Airflow:  
Maximum: 32°C DB / 23°C WB (89.6°F DB / 73.4°F DB)  
Minimum: 21°C DB / 15°C WB (69.8°F DB / 59.0°F DB)

Condenser Water Inlet Temperature:  
Maximum: 43°C (109.4°F)  
Minimum: 21°C (69.8°F)

### RCR-104SA (OUTDOOR UNIT)





**Your World  
In Better Comfort**

**HITACHI**

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Specifications in this catalog are subject to change without any notice in order that HITACHI may bring the latest innovations to our customers.

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