

True
to Your Comfort ♡

Now uses **R32 Refrigerant!**
Maximally saves energy, and the environment!



INVERTER SLIM TYPE PACKAGE

SLIM TYPE PACKAGE

MANILA OFFICE: TEL.:(02) 8362-4847 FAX: (02) 8362-1769 SERVICE: (02) 8362-3842
CEBU OFFICE: TEL.: (032) 232-6634 FAX: (032) 231-7533 SERVICE: (032) 232-8831
DAVAO OFFICE: TEL.: (082) 222-2200 FAX: (082) 222-3982



Specifications in this catalog are subject to change without prior notice as we keep abreast with continuous innovations for our customers' benefit.

RPSL-2301

More Is Better. Choose Full DC Inverter

Hitachi Air Conditioners with Full DC Inverter Technology have not just one or two, but THREE INVERTER COMPONENTS—Compressor, Fan Motor and Inverter Module. Working in perfect harmony, these innovations provide absolute cooling comfort more efficiently while consuming the least amount of power possible. So you get more savings on your electricity bill!

FULL DC INVERTER
TECHNOLOGY

3 INVERTERS IN 1
mean more savings

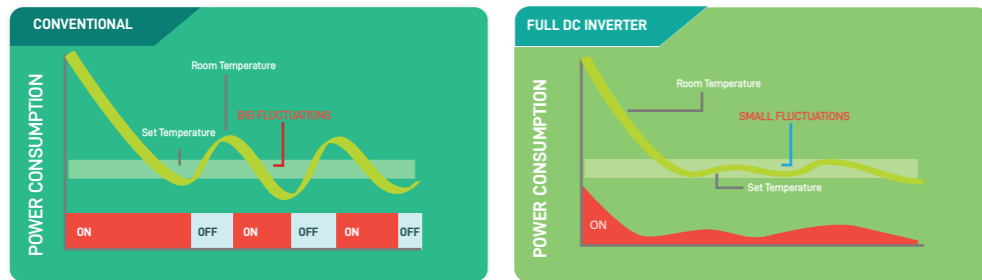
1 DC COMPRESSOR

2 DC FAN MOTOR

3 DC INVERTER MODULE

Efficiency in Flexibility

Other aircon brands usually function at a pre-set temperature, causing the compressor to turn on and off. The units' incapacity to adjust power use as needed leads to wastage. Hitachi air conditioners, however, are different. Built with an exceptional energy-saving capacity, they automatically adjust internal settings, which prevent power wastage while assuring total cooling comfort at all times.



COOLING FLEXIBILITY

LIGHT

To save energy while providing adequate cooling for one individual, the aircon operates at low power.

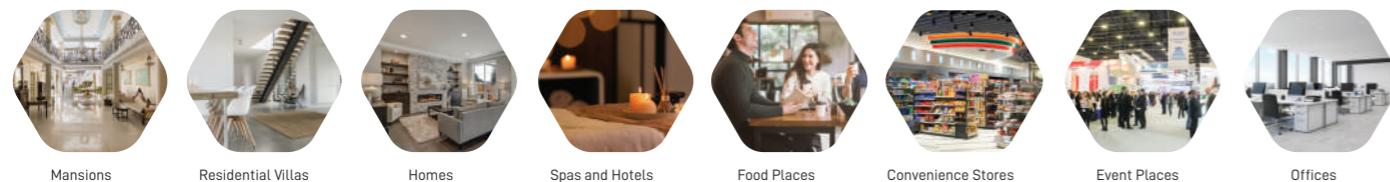
NORMAL

Normal conditions characterized by the presence of a small group of occupants, which are made up of 2-3 individuals, and other heat-generating appliances operating at the same time as the aircon, automatically prompts the unit to function at normal power.

HEAVY

The aircon operates at full power given the following factors: higher external temperatures, several heat-generating appliances functioning at once, and a large group of occupants (5 or more individuals).

IDEAL FOR

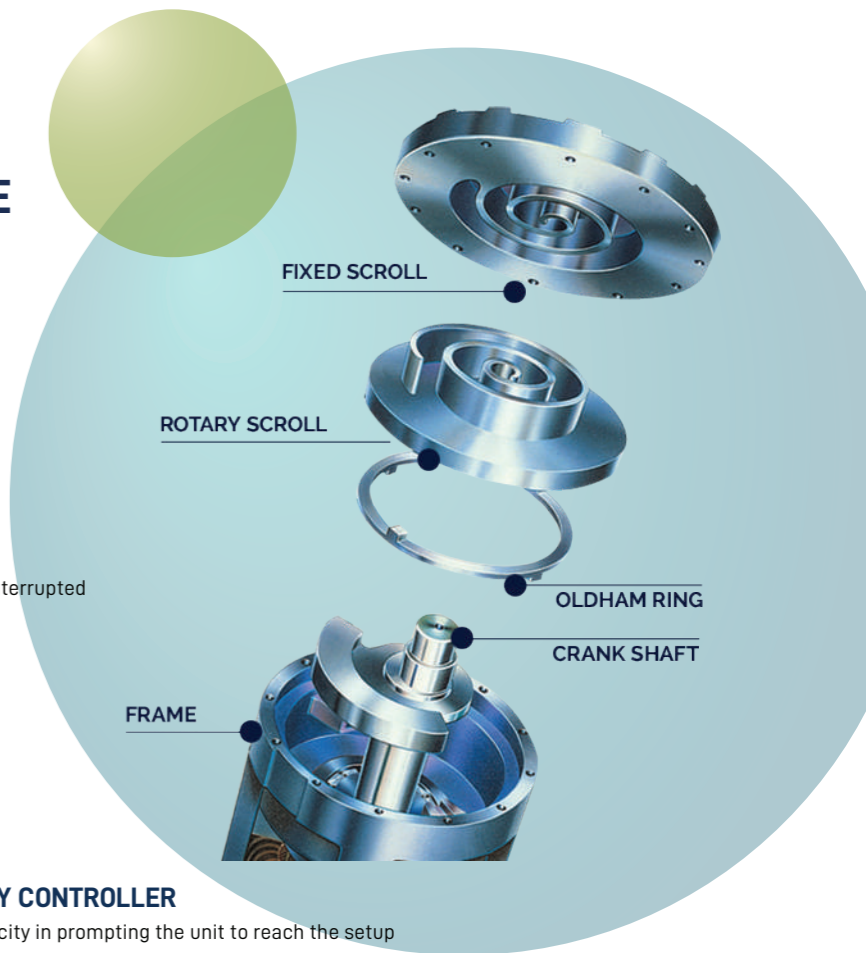


INVERTER SLIM TYPE PACKAGE

EXCEPTIONAL COOLING PERFORMANCE.
LESS POWER CONSUMPTION.

HIGH EFFICIENCY SCROLL COMPRESSOR

Hitachi's patented scroll compressor generates quick cooling, lessens vibrations and lowers energy consumption for virtually uninterrupted cooling operation.



PAM FREQUENCY CONTROLLER

Uses minimal electricity in prompting the unit to reach the setup temperature more quickly.

SELF-DEMAND CONTROL

Automatically adjusts power use according to the user's preferred operation mode.

NEW WAVE MODE

Turns the unit on or off automatically at intervals to further reduce power consumption.

OTHER FEATURES:

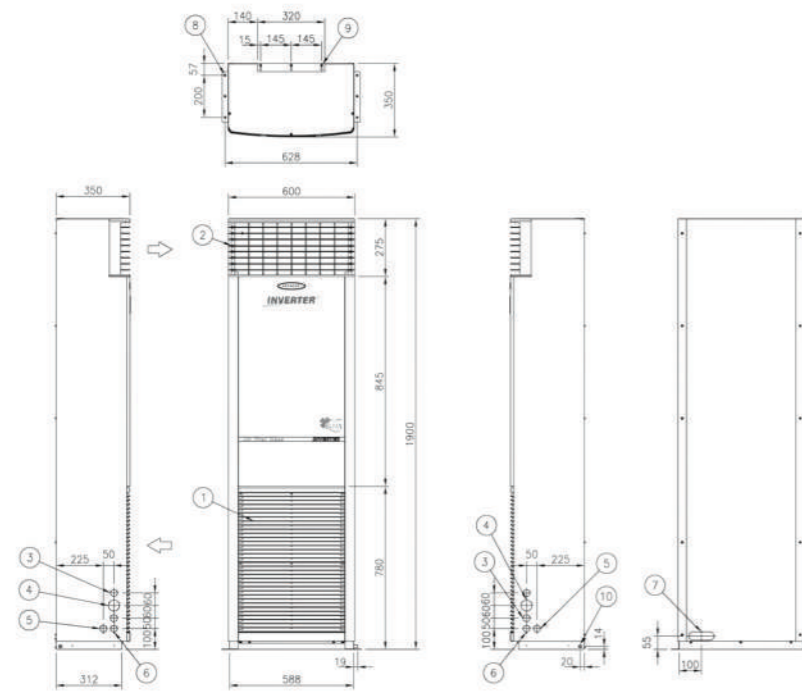
- LONG PIPING INSTALLATION (UP TO 75M)**
- AION FILTER FOR CLEANER AIR**



True
to Your Comfort ♡



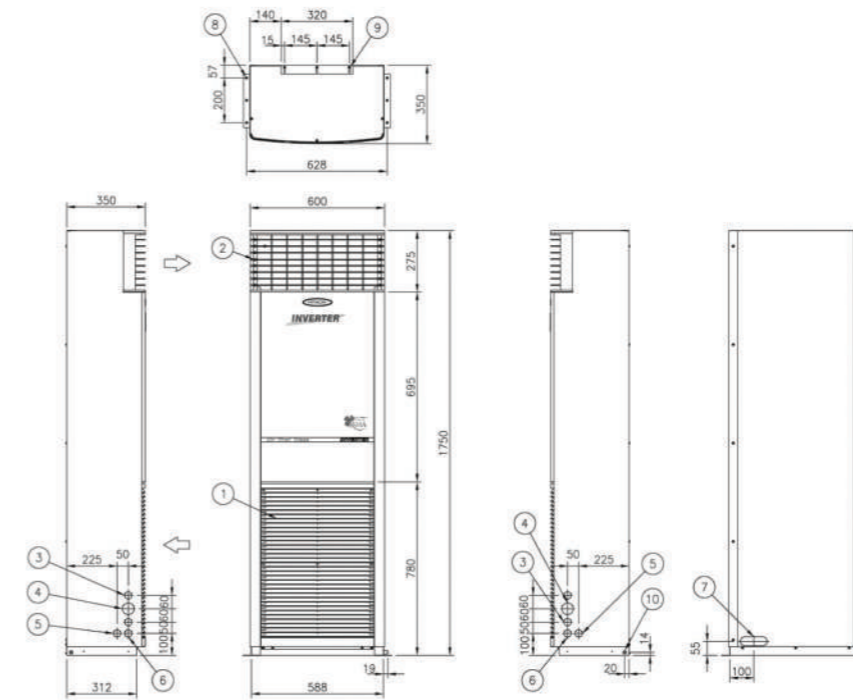
INDOOR UNIT DIMENSIONS



RPS-140AN

Mark	Name
1	Air Inlet Grille
2	Air Outlet Grille
3	Knockout Hole For Liquid Line (Ø 32.5 - Both Sides)
4	Knockout Hole For Gas Line (Ø 52 - Both Sides)
5	Knockout Hole for Condensate Drain Connection (Ø 32.5 - Both Sides)
6	Knockout Hole for Operation Circuit Wiring (Ø 32.5 - Both Sides)
7	Rounded End Hole for Refrigerant, Drainage Piping and Operation Circuit Wiring (Rear Side)
8	Floor Mounting Plate
9	Wall Mounting Plate
10	Drainage Outlet (For Cleaning)

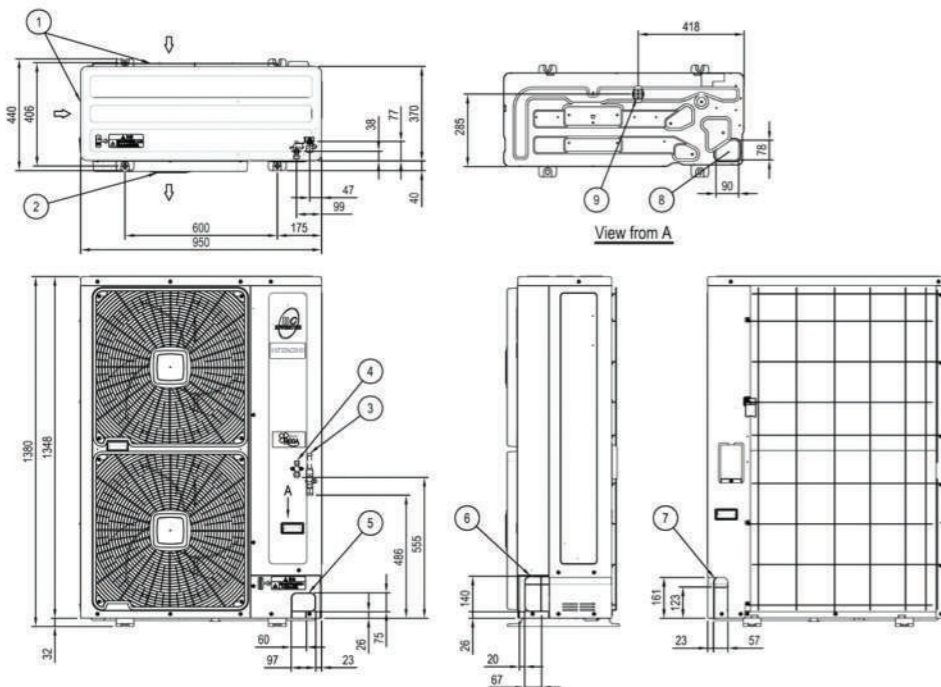
OUTDOOR UNIT DIMENSIONS



RPS-90AN

Mark	Name
1	Air Inlet Grille
2	Air Outlet Grille
3	Knockout Hole For Liquid Line (Ø 32.5 - Both Sides)
4	Knockout Hole For Gas Line (Ø 52 - Both Sides)
5	Knockout Hole for Condensate Drain Connection (Ø 32.5 - Both Sides)
6	Knockout Hole for Operation Circuit Wiring (Ø 32.5 - Both Sides)
7	Rounded End Hole for Refrigerant, Drainage Piping and Operation Circuit Wiring (Rear Side)
8	Floor Mounting Plate
9	Wall Mounting Plate
10	Drainage Outlet (For Cleaning)

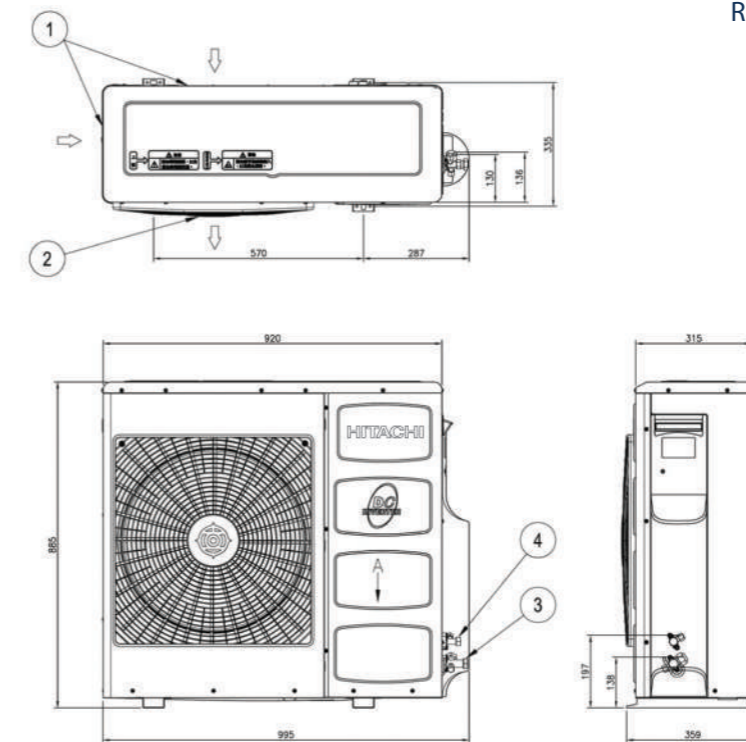
OUTDOOR UNIT DIMENSIONS



RAM-140FPS
RAM-140FPS(B)

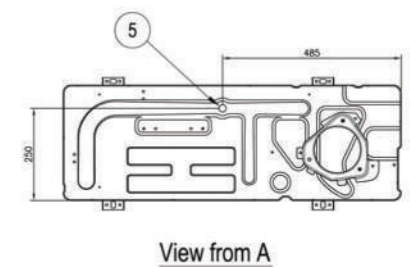
Mark	Name
1	Air Inlet Grille
2	Air Outlet Grille
3	Gas Refrigerant Piping Connection (Ø 15.88 Flare Nut Connection)
4	Liquid Refrigerant Piping Connection (Ø 9.53 Flare Nut Connection)
5	Connection Hole for Front Extension Piping (97x75 Knockout Hole)
6	Connection Hole for Right Extension Piping (67x140 Knockout Hole)
7	Connection Hole for Rear Extension Piping (57x161 Knockout Hole)
8	Connection Hole for Down Extension Piping (90x78 Knockout Hole)
9	Drain Connection (Ø 26)

OUTDOOR UNIT DIMENSIONS



RAC-90JP

Mark	Name
1	Air Inlet Grille
2	Air Outlet Grille
3	Gas Refrigerant Piping Connection (Ø 15.88 Flare Nut Connection)
4	Liquid Refrigerant Piping Connection (Ø 6.35 Flare Nut Connection)
5	Drain Connection (Ø 20)



GENERAL UNIT DATA

INVERTER SLIM TYPE PACKAGE

Model		Indoor Unit		RPS-90AN		RPS-140AN			
		Outdoor Unit		RAC-90JP		RAM-140FPS			
Power Source		Indoor Unit		230VAC/60Hz, Single Phase					
		Outdoor Unit		230VAC/60Hz, Single Phase		230VAC/60Hz, Single/Three Phase			
Nominal Cooling Capacity at 35°C Outdoor Temperature		kcal/h		8,950		12,040			
		kJ/h		37,470		50,420			
		Btu/h		35,800		47,800			
Nominal Dehumidifying Capacity		Liters/h		4.0		5.4			
		Height		1,750		1,900			
Indoor Unit		Depth		350		350			
		Width		600		600			
		Fan Motor		Output		0.22 x 1		0.15 x 1	
Nominal Air Flow		Hi		m3/min		27		32	
		Me		m3/min		23		28	
		Lo		m3/min		20		24	
Net Weight		kg		59		68			
Outdoor Unit		Height		885		1,380			
		Depth		315		370			
		Width		920		950			
Fan Motor		Output		0.1 x 1		0.074 x 2			
Nominal Air Flow		m3/min		55		100			
Net Weight		kg		62		96			
Refrigerant		R32							
Refrigerant Piping Connections		Type		Flare Nut					
		Gas Line Size (O.D.)		mm (in)		15.88 (5/8)		15.88 (5/8)	
		Liquid Line Size (O.D.)		mm (in)		6.35 (1/4)		9.53 (3/8)	
		Max. Piping Length		m (ft)		30 (90)		75 (225)	
Max. Vertical Lift		m (ft)		15 (45)		30 (90)			
Electrical Data		Power Input		kW		2.67		4.2	
		Starting Current		A		11.9		14.0	
		Running Current		A		11.8		21.5	
		Energy Efficiency Ratio		kJ/hW		14.0		12.0	
Cabinet (Color)		Synthetic Resin Painted on Galvanized Steel Plate (Beige)							
Compressor x Quantity		Hermetic Scroll x 1							
Control of Refrigerant Flow		Electrical Expansion Valve							
Heat Exchanger Type		Multi-Pass Cross-Finned Tube							
Operation Control		Type (Model)		Wired Remote Control Switch (RC-A01ET)		Wired Remote Control Switch (PC-AR)			
		Function		Fan, Cool, Dehumidify					
		Fan Speed		Hi, Me, Lo, QLo		Hi, Me, Lo			
		OFF Timer		0-24 Hours					
Safety Devices		Air Swing		On, Off					
		Compressor Over Current Relay		Included					
		Compressor Discharge Thermostat		Included					
		High Pressure Switch		----		Included			
		Reverse Phase Protection Relay		----		Included			
Fuse for Control Circuit		Included							
Fuse for Outdoor Fan Motor		Included							

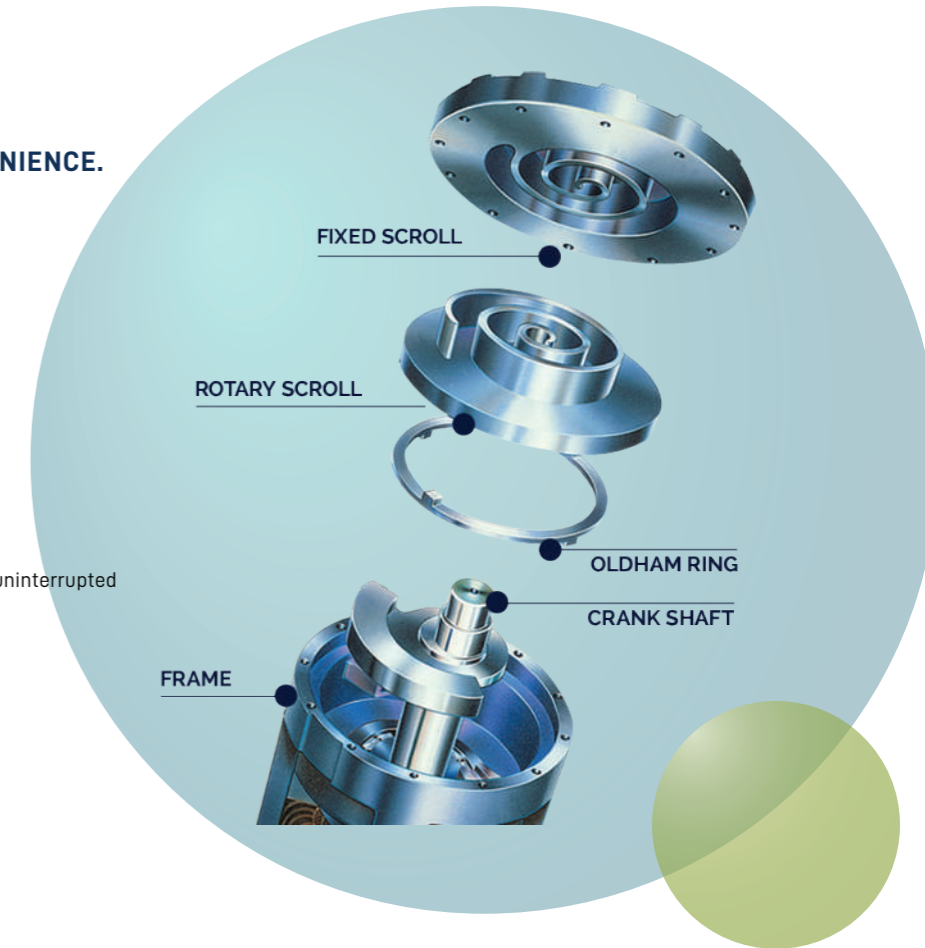
IMPORTANT NOTE: (Temperature Working Range) Indoor Temperature: 21-32 Celsius Outdoor Temperature: 21-43 Celsius

SLIM TYPE PACKAGE

EFFICIENT COOLING. UNINTERRUPTED CONVENIENCE.

HIGH EFFICIENCY SCROLL COMPRESSOR

Hitachi's patented scroll compressor generates quick cooling, lessens vibrations and lowers energy consumption for virtually uninterrupted cooling operation.



QUIET OPERATION MODE

Features a dynamically balanced fan whose optimum shape reduces noise dramatically.

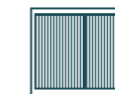


RUST-PROOF CASING

Made of high quality steel with electrodeposition coating, encloses the unit perfectly to protect it from rust and corrosion.



LONG PIPING INSTALLATION (UP TO 40M)

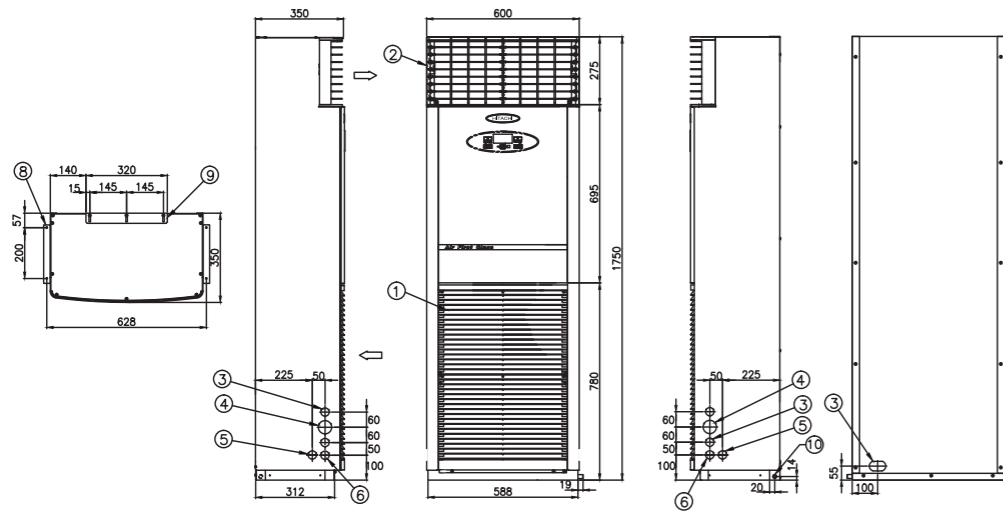


AIR FILTER TO BLOCK HARMFUL GERMS AND BACTERIA



AUTO-OFF SAFETY FEATURE TO PREVENT UNIT BREAKDOWN

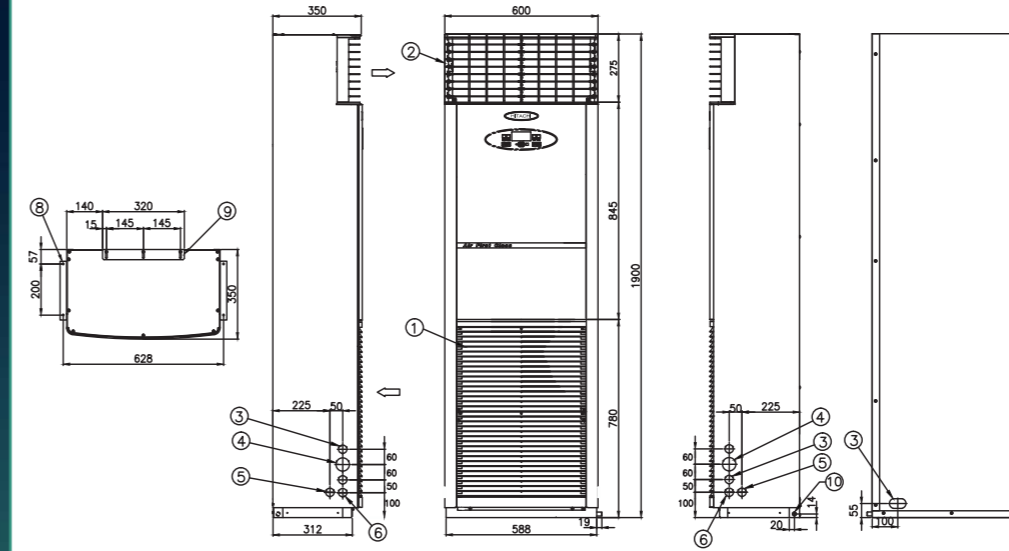
INDOOR UNIT DIMENSIONS



RPS-NP3A

Mark	Name
1	Air Inlet Grille
2	Air Outlet Grille
3	Knockout Hole For Liquid Line (Ø 32.5 - Both Sides)
4	Knockout Hole For Gas Line (Ø 52 - Both Sides)
5	Knockout Hole for Condensate Drain Connection (Ø 32.5 - Both Sides)
6	Knockout Hole for Operation Circuit Wiring (Ø 32.5 - Both Sides)
7	Rounded End Hole for Refrigerant, Drainage Piping and Operation Circuit Wiring (Rear Side)
8	Floor Mounting Plate
9	Wall Mounting Plate
10	Drainage Outlet (For Cleaning)

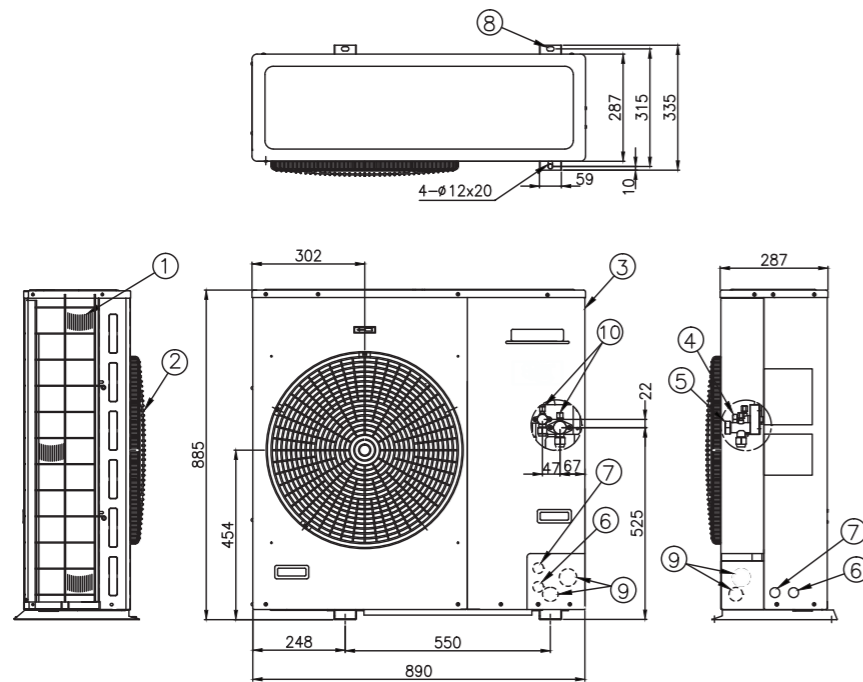
INDOOR UNIT DIMENSIONS



RPS-NP5A

Mark	Name
1	Air Inlet Grille
2	Air Outlet Grille
3	Knockout Hole For Liquid Line (Ø 32.5 - Both Sides)
4	Knockout Hole For Gas Line (Ø 52 - Both Sides)
5	Knockout Hole for Condensate Drain Connection (Ø 32.5 - Both Sides)
6	Knockout Hole for Operation Circuit Wiring (Ø 32.5 - Both Sides)
7	Rounded End Hole for Refrigerant, Drainage Piping and Operation Circuit Wiring (Rear Side)
8	Floor Mounting Plate
9	Wall Mounting Plate
10	Drainage Outlet (For Cleaning)

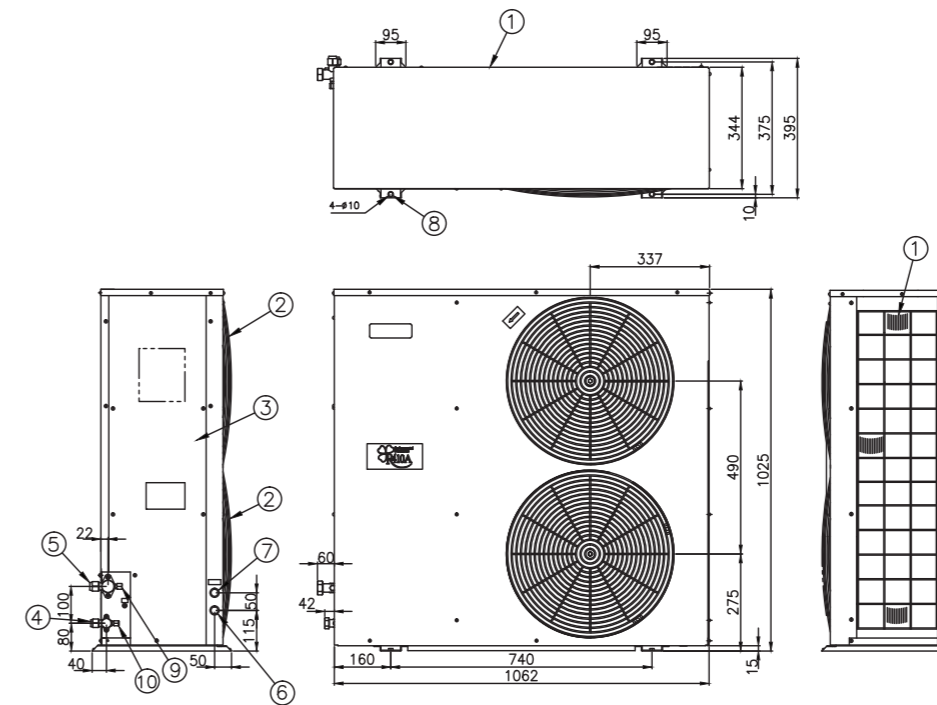
OUTDOOR UNIT DIMENSIONS



RAC-NP3AB B

Mark	Name
1	Condenser Air Intake
2	Condenser Air Discharge
3	Service Panel for Magnetic Switch Box and Compressor
4	3/8 Stop Valve (Liquid Line)
5	5/8 Stop Valve (Gas Line)
6	Power Supply Wiring Hole
7	Operation Circuit Wiring Hole
8	Mounting Hole (Foundation)
9	Mounting Hole (Piping)
10	Vacuuming and Charging of Refrigerant (Check Joint)

OUTDOOR UNIT DIMENSIONS



RAC-NP5AB B (NP5A)

Mark	Name
1	Condenser Air Intake
2	Condenser Air Discharge
3	Service Panel for Magnetic Switch Box and Compressor
4	1/2 Stop Valve (Liquid Line)
5	3/4 Stop Valve (Gas Line)
6	Power Supply Wiring Hole
7	Operation Circuit Wiring Hole
8	Mounting Hole (Foundation)
9	Mounting Hole (Piping)
10	Vacuuming and Charging of Refrigerant (Check Joint)

Adaptive. Powerful. Wall-to-Wall.
For consistent cooling comfort within an expansive space.

Floor-mounted package unit that efficiently cools your space, and maximally saves energy and the environment, too. Now equipped with the eco-friendly R410A refrigerant.



**THREE WORLD CLASS 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.

GENERAL UNIT DATA

NON-INVERTER SLIM TYPE PACKAGE (R410A)

Model	Indoor Unit		RPS-NP3A	RPS-NP5A	RPS-NP5A	
	Outdoor Unit		RAC-NP3AB	RAC-NP5AB B	RAC-NP5A	
Power Source	Indoor Unit		230VAC/60Hz, Single Phase			
	Outdoor Unit		230VAC/60Hz, Single Phase		230VAC/60Hz, Three Phase	
Nominal Cooling Capacity at 35°C Outdoor Temperature	kcal/h		9,180	15,120	15,120	
	kJ/h		38,450	63,300	63,300	
	Btu/h		36,430	60,000	60,000	
Nominal Dehumidifying Capacity		Liters/h	4.0	6.6	6.6	
Indoor Unit	Outer Dimension	Height	mm	1,750	1,900	1,900
		Depth	mm	350	350	350
		Width	mm	600	600	600
	Fan Motor	Output	kW x Q'ty	0.19 x 1	0.19 x (1)	0.19 x (1)
		Hi	m ³ /min	27	32	32
	Nominal Air Flow	Me	m ³ /min	23	28	28
Lo		m ³ /min	20	24	24	
Net Weight		kg	62	70	70	
Outdoor Unit	Outer Dimension	Height	mm	885	1,025	1,025
		Depth	mm	287	347	347
		Width	mm	892	1,060	1,060
	Fan Motor	Output	kW x Q'ty	0.105 x 1	0.04 x (2)	0.04 x (2)
	Nominal Air Flow		m ³ /min	35	100	100
Net Weight		kg	80	110	105	
Refrigerant Piping Connections	Type		Copper Brazing			
	Gas Line Size (O.D.)	mm (in)	15.88 (5/8)	19.05 (3/4)	19.05 (3/4)	
	Liquid Line Size (O.D.)	mm (in)	9.53 (3/8)	12.7 (1/2)	12.7 (1/2)	
	Max. Piping Length	m (ft)	40 (130)			
Max. Vertical Lift		m (ft)	15 (45)			
Electrical Data	Power Input	kW	3.95	5.17	5.62	
	Starting Current	A	89	144	93	
	Running Current	A	18.6	22.7	16.3	
	Energy Efficiency Ratio	kJ/hW	9.7	12.2	11.3	
Cabinet (Color)		Synthetic Resin Painted on Galvanized Steel Plate (Beige)				
Compressor x Quantity		Hermetic Rotary x 1	Hermetic Scroll x 1			
Control of Refrigerant Flow		Capillary Tube				
Heat Exchanger Type		Multi-Pass Cross-Finned Tube				
Operation Control	Type (Model)		Micom Control			
	Function	Mode	Fan, Cool, Dehumidify			
		Fan Speed	Hi, Me, Lo, QLo			
		OFF Timer	0-12 Hours			
		Air Swing	On, Off			
Safety Devices	Compressor Over Current Relay		(Internal)	Included		
	Compressor Discharge Thermostat		(Internal)	Included		
	High Pressure Switch		Included			
	Reverse Phase Protection Relay		-			Included
	Fuse for Control Circuit		Included			
	Fuse for Outdoor Fan Motor		-	Included		