

# HITACHI

## INVERTER SLIM TYPE PACKAGE AIR CONDITIONER



SPACE  
SAVING

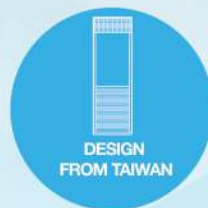


HIGH EFFICIENCY  
SCROLL  
COMPRESSOR



LONG PIPING INSTALLATION  
UP TO 75 m

### THE NEXT GENERATION AIR CONDITIONING



# HITACHI

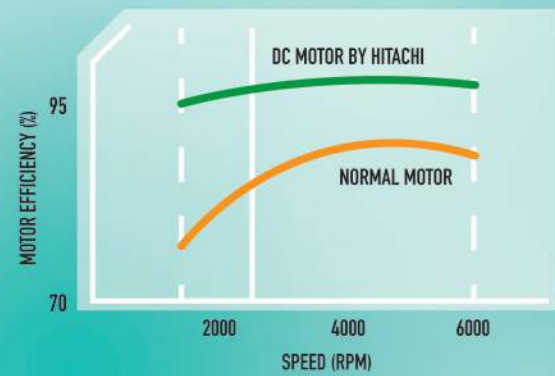
Slim profile and simplified piping uses minimal floor area so you can have more space for your business.



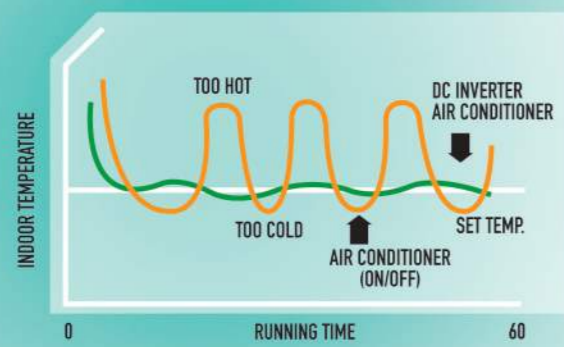
## WHY CHOOSE FULL DC?

While DC air conditioners are equipped with an inverter compressor, an air conditioner with Full DC Inverter Technology features three DC Inverter components (**Compressor, PCB, Fan Motor**) that work more efficiently so you get the cooling comfort you deserve, while consuming less power!

### FULL DC INVERTER



### CONSTANT TEMPERATURE

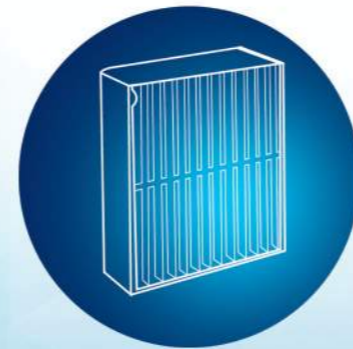


### THREE INNOVATIONS, ONE NAME IN AIR CONDITIONING

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



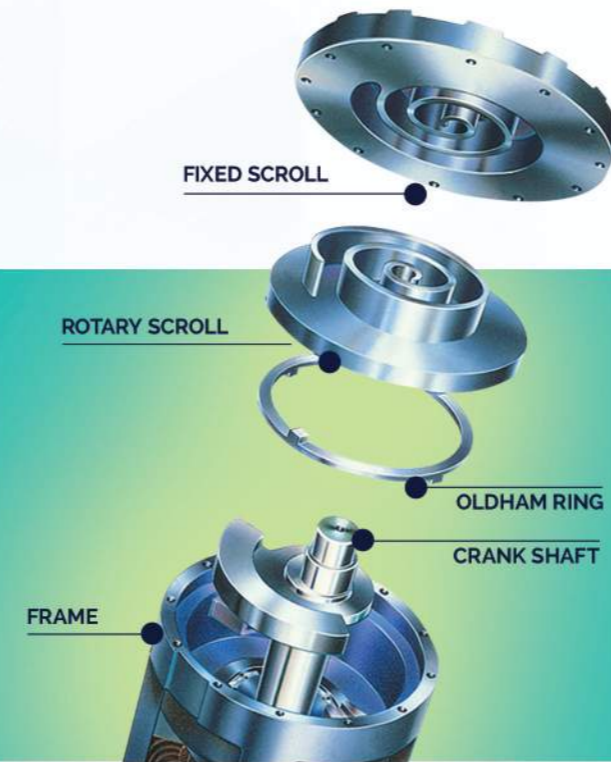
### OTHER FEATRES



AION Filter for cleaner air

## HIGH EFFICIENCY DC INVERTER SCROLL COMPRESSOR

By combining the DC Inverter motor with the driving mechanism, the unit achieves high performance while maintaining low power consumption. Plus, it effectively reduces the unit's weight up to 50%.



### PAM Frequency Controller

lets the unit reach setup temperature quicker while using minimal electricity.

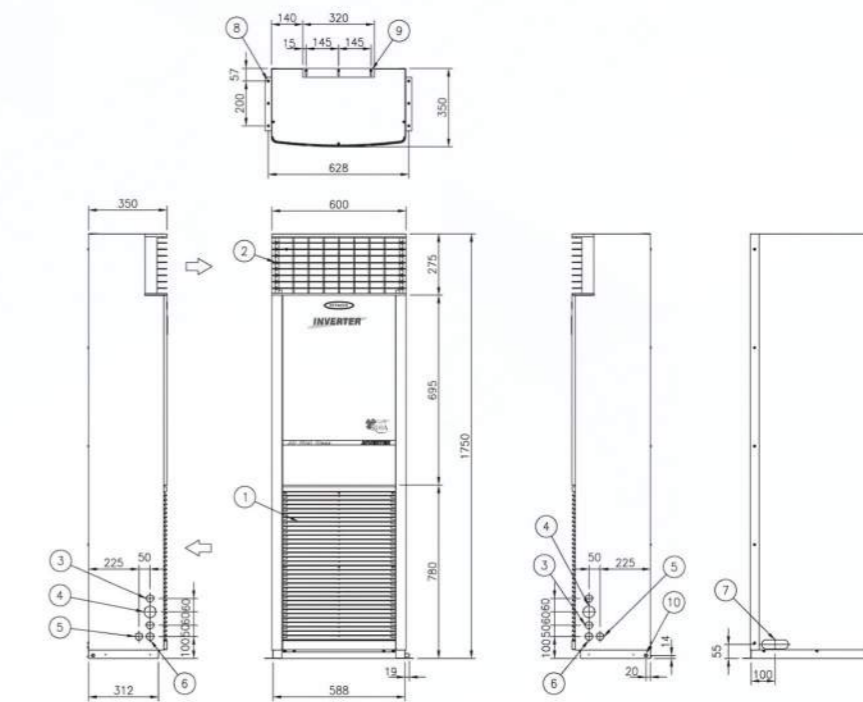
### Self-Demand Control

automatically adjusts its power consumption according to your selected operation mode.

### New Wave Mode

turns the unit on or off automatically between intervals to further lower power consumption.

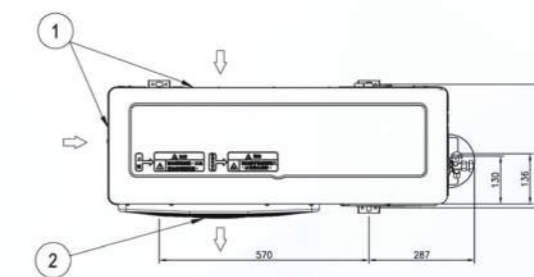
## INDOOR UNIT DIMENSIONS



### 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)

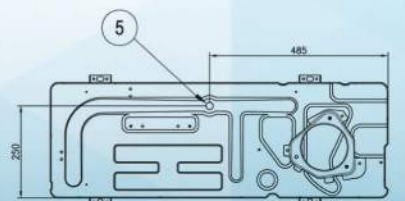
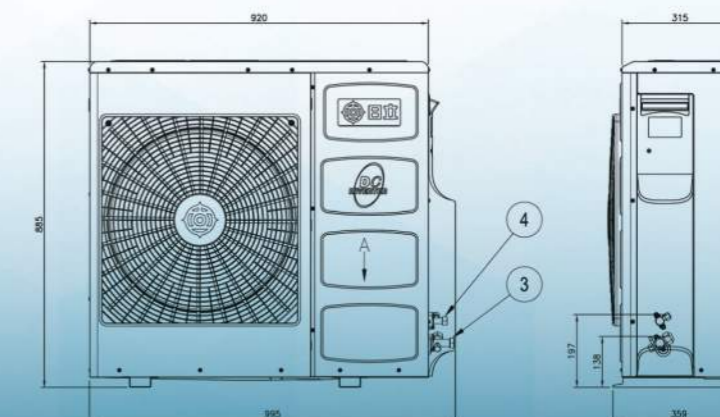
## OUTDOOR UNIT DIMENSIONS



### RAC-90JB

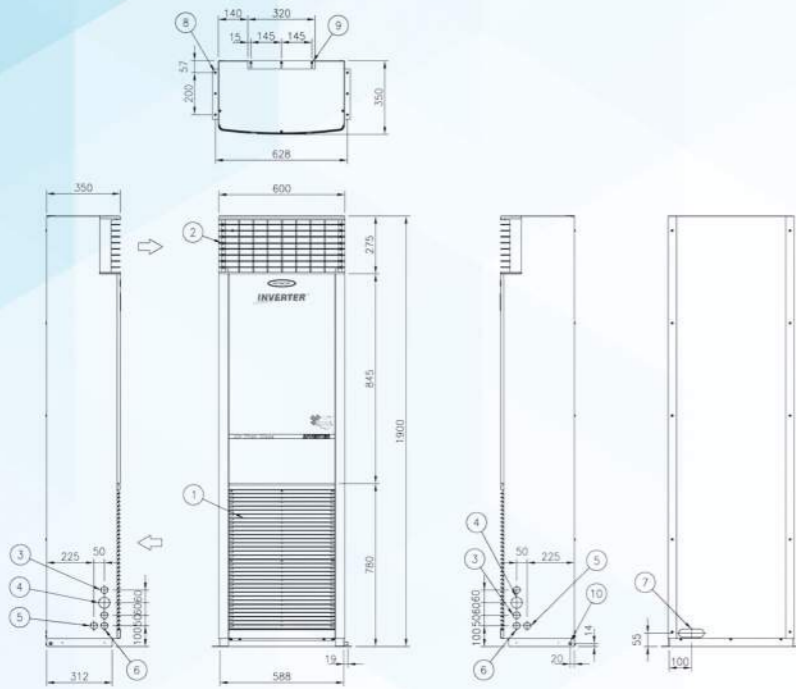


Mark	Name
1	Air Inlet Grille
2	Air Outlet Grille
3	Gas Refrigerant Piping Connection (Ø 15.88 Flare Nut Connection)
4	Liquid Refrigerant Piping Connection (Ø 6.35 Flare Nut Connection)
5	Drain Connection (Ø 20)



View from A

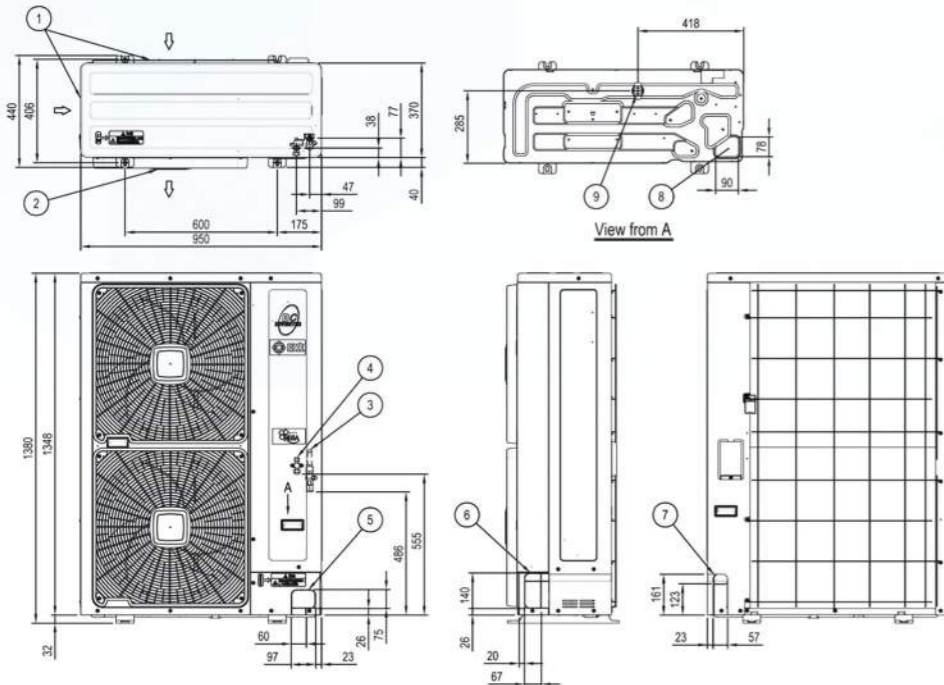
# INDOOR UNIT DIMENSIONS



## 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



## 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)

# Unit General Data

Model	Indoor Unit	RPS-90AN	RPS-140AN		
	Outdoor Unit	RAC-90JB	RAM-140FPS	RAM-140FPS(B)	
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	9,180	12,040		
	kJ/h	38,450	50,420		
	Btu/h	36,430	47,800		
Nominal Dehumidifying Capacity	Liters/h	4.0	5.4		
Indoor Unit	Outer Dimension	Height mm	1,750	1,900	
		Depth mm	350	350	
		Width mm	600	600	
	Fan Motor	Output kW x Q'ty	0.22 x 1	0.15 x 1	
	Nominal Air Flow	Hi m <sup>3</sup> /min	27	32	
		Me m <sup>3</sup> /min	23	28	
Lo m <sup>3</sup> /min		20	24		
Net Weight	kg	59	68		
Outdoor Unit	Outer Dimension	Height mm	885	1,380	
		Depth mm	315	370	
		Width mm	920	950	
	Fan Motor	Output kW x Q'ty	0.1 x 1	0.074 x 2	
	Nominal Air Flow	m <sup>3</sup> /min	55	100	
	Net Weight	kg	60	96	
Refrigerant	R410A				
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	3.41	4.2		
	Starting Current A	11.9	14.0	8.0	
	Running Current A	15.0	21.5	12.4	
	Energy Efficiency Ratio	11.2	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		
		Mode	Hi, Me, Lo, QLo		
		Fan Speed	Hi, Me, Lo		
Safety Devices	OFF Timer	0-24 Hours			
	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°C to 32°C, Outdoor temperature: 21°C to 43°C

# HITACHI

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