



New Life Style

# New Life Style

Everyone deserves a comfortable home. There is nothing more important than spending quality time in a healthy living space with your loved ones.

Going beyond the limits of air conditioning, Daikin Home Central Air Conditioning is a revolution that redefines comfort, bringing you a New Life Style!



# 1 New Life Style



Bathroom  
Comfort



Kitchen Comfort



Excellent  
Air Distribution



Comfort Cooling



Sweet Dream



Auto Moisture  
Control

- A Redefining Home Air Conditioning
- B Technology meets Design
- C Discovering Comfort

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Central Air Conditioning

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# 1 | New Life Style

## A Redefining Home Air Conditioning

A complete solution that provides Cooling, Comfort, Control and Convenience in ONE single system.

### **COZY**

Sophisticated comfort technology giving you the optimum moisture level, temperature and air flow distribution control.

### **CONCEALED**

Hidden elegance to complement your beautifully designed home interiors.



## CONTEMPORARY

Creative and modern design to fit your personal haven.

## CARING

Creates a pleasant environment for you and your loved ones.

# 1 | New Life Style

## B Technology meets Design

### HIDE AND SLEEK

The units are compact and slim enough to fit into any plaster ceiling, giving you more space and flexibility to create the perfect home you desire. Now, function and aesthetics can live in beautiful harmony.



## A TALE OF FLEXIBILITY

Designed to suit your home design, you can choose from several types of air discharge and suction method. This flexibility allows you to achieve the ideal look for your house.



## IMAGINE THIS

Every time you walk into your home, you'll experience an easily distinguishable look, full of your individual style.

# 1 | New Life Style

## C Discover Comfort

Have you ever experienced dry skin after being in an air-conditioned room for a long time?



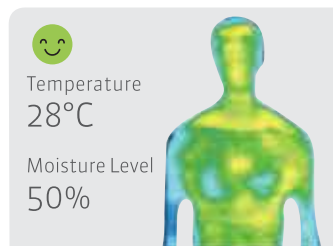
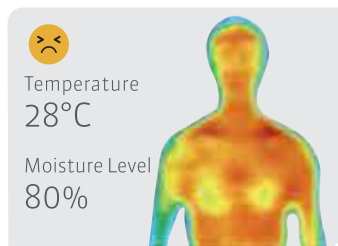
Feel too cold when the temperature is set low, but increasing the temperature leaves you feeling uncomfortable?

Do you have difficulty in finding the right setting for your air conditioner?



Do you hesitate to enter a cold room after exercising, afraid you would catch a cold?

$$\text{Body Temperature} = \text{Air Temperature} + \text{Air Moisture Level} + \text{Air Flow}$$



Our body comfort is affected by the air temperature and air moisture level. When the air moisture level drops by 10%, the air temperature also drops by 1-2°C. So to enjoy cooling comfort, you simply need to adjust the air moisture level.

### THE ULTIMATE COMFORT

By the understanding comfort, we can let you experience the epitome of comfort. We care about your well-being, and we believe you feel the same about your loved ones too. That's why Daikin continuously studies how to improve your life and with our new discoveries, we can provide you and your loved ones the ultimate comfort through our Home Central Air Conditioning technology.



# Daikin Home Central Air Conditioning



## SWEET DREAM

**“Sleep is the golden connection between you and a healthy body.”**

People respond to temperature and moisture differently, and our responses are especially sensitive during sleep. The Sweet Dream function presets and adjusts the room temperature and moisture level optimally so you and your family can have a peaceful sleep all night long.



## COMFORT COOLING

**“Home is where comfort is.”**

Comfort Cooling controls the humidity on a regular temperature adjustments basis. On rainy days, it lowers the humidity without lowering the temperature, while avoiding over-cooling during hot weather through temperature humidity balance. It prevents discomfort caused by sharp temperature changes, keeping you fresh all day long.



## AUTO MOISTURE CONTROL

**“Out with the mould, in with feeling brand new!”**

High moisture level causes people to sweat and mould to grow. Auto Moisture Control takes total care of your room level and maintains the ideal moisture level for a cozy environment while keeping mildew away throughout the year.



# 1 | New Life Style

## INTELLIGENT EYE

“When it sees, it moves!”

Daikin Intelligent Eye Technology senses your movement no matter where you go in the house. It will then direct the airflow away you to keep you cozy, in every corner of your home.



Distributes air flow evenly throughout the room



Improves designation of air flow distance



Diverts the air flow draft away from you

## 3D AIRFLOW

“All around your home!”

Believe it or not, you can now enjoy constant comfort in every corner of your home! Daikin's 3D Airflow technology promotes even air distribution, giving you constant cozy temperature throughout your house.



Cool air flows around the living room but does not reach dining room

Conventional Split Units



Direct airflow to the bed, with no air distribution to the aisle



Gentle circulation of airflow throughout large spaces of the living & dining room for that ultimate comfort

Home Central  
Air Conditioner

3D  
Airflow



A combination of vertical and horizontal 3D airflow ensures uniform distribution of air throughout every corner of the room, providing a comfortable and cozy environment

# 2

## Daikin Home Central Air Conditioning Applications

Personalised air solution for every area of your home.



### KITCHEN

Happiness is homemade, and the kitchen is the heart of that happiness as it brings the family together.

#### High Durability Moisture Control Kitchen Ceiling Mounted Cassette

Clean, cool and comfortable

- Greaseproof paint on panel for easy cleaning.
- Filter greasy fumes for long-term usage.



### BATHROOM

Wash away your troubles with some bubbles, enjoy your bath in a well ventilated bathroom.

#### Ventilating Moisture Control Bathroom Ceiling Mounted Cassette

Dry and pleasant

- Ventilation by removing excessive moisture keeps the bathroom space dry and comfortable.
- Moisture control function leads to mould-free environment, providing healthy living for you and your family.

### CLOSET

Scent is the strongest tie to memory.

#### Moisture Control Closet Ceiling Mounted Cassette

Freshening and deodorizing

- Built-in moisture control to keep your favorite apparels and accessories in tip top condition, leaving your closet smelling fresh and invigorating.



## LIVING ROOM

It's where love resides and where memories are created. Here, friends are always welcomed and family grow together.

### Intelligent 3D Air Flow Ceiling Mounted Duct

Comfort through intelligence

- Intelligent 3D airflow lets you feel cool air at every corner with the help of an intelligent eye that detects human activity.
- Saves energy by adjusting power consumption according to varying human activity levels.



## BEDROOM

A good night sleep leads to a good life.

### Moisture control Intelligent 3D Air Flow Ceiling Mounted Duct

Sweet silence

- The Sweet Dream feature presets the temperature with different levels of humidity to suit the whole family's needs.



## STUDY ROOM

Work hard in silence, let your success be your noise.

### Compact Ceiling Mounted Duct

Quiet and conducive

- The Quiet function creates an excellent environment for you to concentrate and learn with minimal sound disturbance.

# 3 | Home Layout Proposal

## *VRV Home Series*

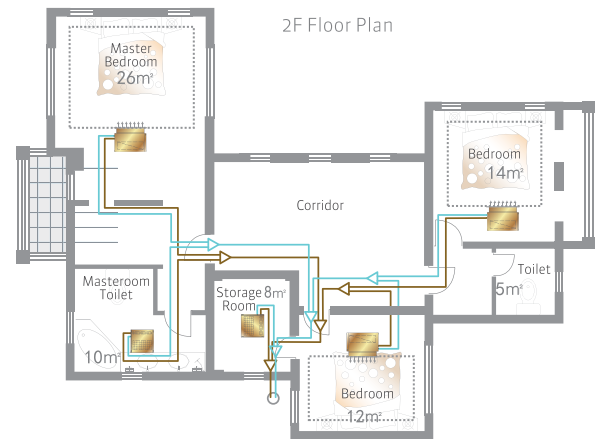
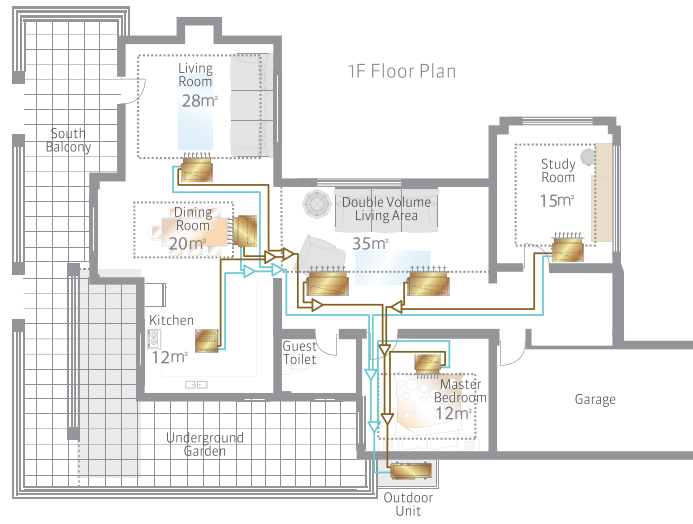
Choose the best for you and your loved ones.  
Embrace your New Life Style.



Daikin Home Central Air Conditioning focuses on comfortable living through intelligent 3D air flow features in its unit design. In the past, it is unthinkable to have air conditioning in the bathroom and kitchen. Now, with Daikin's moisture control technology, comfort can be attained in every corner of your home.



## Villa Proposal



— Gas Pipe, Liquid Pipe    — Third Piping

VRV is DAIKIN INDUSTRIES, LTD. Trademark

# 3 | Home Layout Proposal

**VRV Home Series**

Choose the best for you and your loved ones.  
Embrace your New Life Style.



3 Rooms 2 Living Room Proposal



VRV is DAIKIN INDUSTRIES, LTD. Trademark

Bedroom with 3Di+ offers optimum temperature and moisture control for a peaceful sleep. By installing 3Di in the living room, you can enjoy the cooling comfort at all corners of the house. In the kitchen, install high durable Kitchen unit to provide clean, cool and comfortable cooking environment. The kitchen is easy to clean and maintain due to its greaseproof painted panel and high-durability filter.



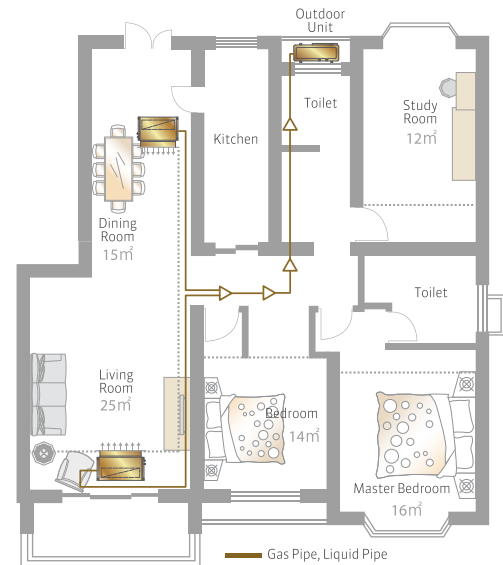
## VRV Home Series

Choose the best for you and your loved ones.  
Embrace your New Life Style.



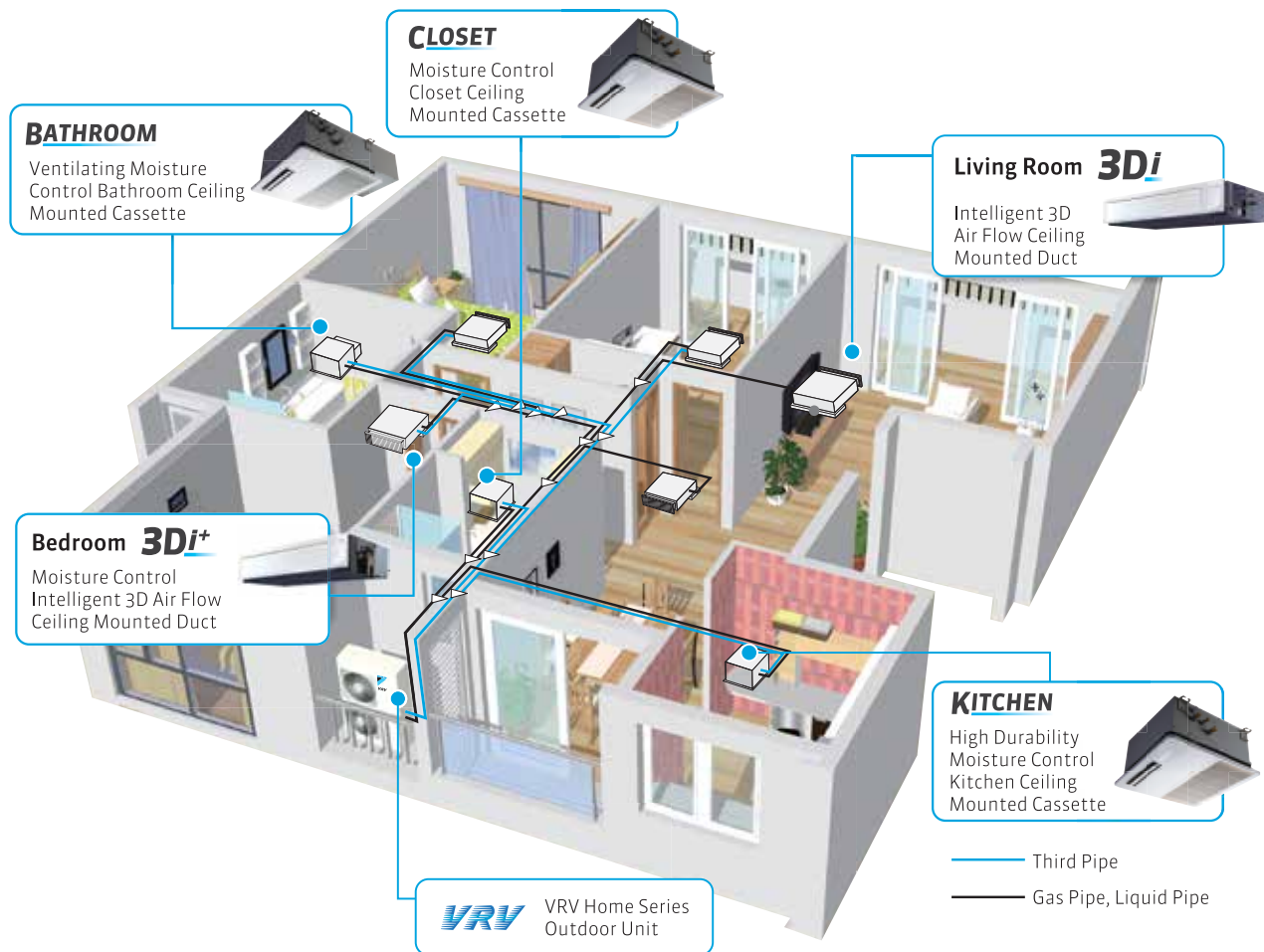
Install Compact in your living room as it is slim and compact enough to fit into any plaster ceiling, harmonising with your home interior design.

### 3 Rooms 2 Living Room Proposal



# 4 | Outline of Daikin Home Central Air Conditioning

The Daikin Home Central Air Conditioning redefines comfort with its new revolutionary breakthrough in air conditioning norms. It is a unified system which incorporates temperature, moisture and air flow control.



Wide variety of products for every area of your home

Hidden and sleek to give more space and flexibility for you to design your desired home

Conventional air conditioners devalues interior design



Traditional split unit crowds and consumes more space



# 5

# When, Where & How

## The right time for the best results

Home Central Air Conditioning focuses on a hidden concept of installation to the overall aesthetic value of your home. It is created to be part of your home interior design. Therefore, it is recommended to incorporate it into your design plan before the renovation in order to maximise its benefits.



Empty Lot - Before



Initial Renovation Plan - Understanding Home Central Air Conditioning



Renovation and Design Proposal - Home Central Air Conditioning Design Proposal



Renovation Works - Home Central Air Conditioning Commissioning



Completion

## Your New Lifestyle begins with a visit to Daikin PROSHOP

Discover the benefits of Daikin Home Central Air Conditioning at Daikin PROSHOP. It is the one-stop centre that provides everything you need from consultation and design proposals, installation works, commissioning and testing, to continuous after-sales service - all advised and managed by Daikin's trained professionals.



- Daikin Authorized Distributors
- Daikin Dealers
- Daikin Showrooms

**1 INSTALLATION PREPARATION**

Avoid drilling through beams to minimise the risk of structure weakening. Ensure the hole drilling is angled downwards towards the external area to avoid the flow back of rainwater.

**2 INDOOR UNIT INSTALLATION**

The indoor unit must be mounted horizontally to ensure smooth drainage.

After the installation, the indoor unit must be wrapped and protected with plastic to avoid dust from accumulating inside the unit.

**3 PIPING WORKS**

Nitrogen gas is to be used by flowing through refrigerant pipings continuously at low pressure during the brazing process of copper pipes. This is to prevent formation of oxidation bubbles inside the copper pipe during brazing and allows the piping to cool down naturally.

Brazing work should be carried out in a downward or sideway direction but not upwards.

**4 REFRIGERANT PIPE AND DRAIN PIPE LAYOUT PLANNING**

It is important to cover the refrigerant pipe as it will prevent water, dirt and dust from getting inside the pipes. The end of each pipe must be covered using a 'pinching' or 'taping' method. The drain pipe must be fitted at a gradient of at least 1/100 and should be as short as possible and free from air block. Suspension bolts should be used to support long stretches of drain pipes to ensure that the 1/100 gradient is maintained.

**5 OUTDOOR UNIT INSTALLATION**

Select a location for installation that meets the following conditions and get customer's approval.

- Good ventilation
- Does not disturb neighbours
- Does not shelter small animals
- Solid enough to support the weight and vibration of the unit which can be placed horizontally
- Avoid the rain as much as possible
- Adequate space around the unit for installation
- Outdoor piping and wiring within an allowable length range
- No risk of flammable gas leaks

**6 LEAK TEST AND VACCU M DRYING**

Carry out a leak test to ensure there is no leakage of refrigerants in the system. Leakage can be detected using soap solution, electric detector or spray method of detection. It is not advisable to use the halide-torch detector to test nitrogen gas leakage.

Using a vacuum pump, remove the air and moisture inside the pipe and leave the pipes completely dry inside to ensure the system runs smoothly.

**7 ADDITIONAL REFRIGERANT CHARGE**

Calculate the correct amount of refrigerant to be added according to actual piping length. Charge in the required amount using weighing scale. Refrigerant charging shall be done in liquid state to liquid service port only.

**8 TESTING AND COMMISSIONING**

The purpose of these tests is to ensure that all components and systems perform in a satisfactory and safe condition, and to verify that the system is running properly and efficiently.

A complete user guideline manual must be provided to the end user.

**9 OPERATING GUIDELINE**

All inspections, tests and commissioning shall be recorded and reported accordingly. The report must then be submitted and notified to the end user or authorized service contractor for future reference.

# 6 | Specifications

## VRV Home Series - Indoor

### 3Di+ Moisture Control Intelligent 3D Air Flow Ceiling Mounted Duct



Model Name			FPRSQ20APV1	FPRSQ25APV1	FPRSQ32APV1	FPRSQ40APV1	FPRSQ50APV1	FPRSQ63APV1	
Power Supply		V/Ph/Hz	220-240V/1Phase/50Hz						
Cooling Capacity		kW	2.2	2.8	3.6	4.5	5.6	7.1	
Power Consumption		W	33		36	50	55	72	
Fan Mode / Cooling Mode		Air Flow Rate (Hi/Med Hi/Med/Mid Lo/Lo)	7.2/6.8/6.3/5.8/5.4		8.3/7.4/6.8/6.3/5.8	10.0/9.2/8.5/8.0/7.2	13.5/12.0/11.5/11.0/10.0	17.5/16.0/15.0/14.0/13.0	
		Sound Level (Hi/Med Hi/Med/Mid Lo/Lo)	29/27/26/25/23		32/31/29/27/25	36/34/32/30/28	36/35/33/31/30	37/35/33/32/31	
Moisture Control Mode		Air Flow Rate (Hi/Med Hi/Med/Mid Lo/Lo)	7.2/6.0/5.1/4.3/3.1		8.3/6.9/5.8/4.6/3.4	10.0/7.8/5.8/4.6/3.4	13.5/10.0/7.1/5.9/5.0	17.5/14.0/11.5/10.6/9.5	
		Sound Level (Hi/Med Hi/Med/Mid Lo/Lo)	29/24/20/18/17		32/27/23/20/18	36/29/23/19/17	36/29/24/22/21	37/31/27/25/23	
ESP (Hi/Std)		Pa	10/0						
Unit Dimension (HxWxD)		mm	200 x 700 x 620				200 x 900 x 620	200 x 1100 x 620	
Discharge Dimension (HxW)		mm	131 x 525				131 x 725	131 x 925	
Unit Weight		kg	24				28	32	
Piping Connections		Liquid Pipe/Gas Pipe	mm						
		High and Low Pressure Pipe	mm						
		Condensate Drain Pipe	mm						
Wired Remote Controller			BRC1E642						

### 3Di Intelligent 3D Air Flow Ceiling Mounted Duct



Model Name			FPDSQ20APV1	FPDSQ25APV1	FPDSQ32APV1	FPDSQ40APV1	FPDSQ50APV1	FPDSQ63APV1	
Power Supply		V/Ph/Hz	220-240V/1Phase/50Hz						
Cooling Capacity		kW	2.2	2.8	3.6	4.5	5.6	7.1	
Power Consumption		W	28	29	32	49	54	72	
Fan Mode / Cooling Mode		Air Flow Rate (Hi/Med Hi/Med/Mid Lo/Lo)	8.7/8.1/7.6/7.0/6.5		9.0/8.5/8.0/7.5/7.0	10.0/9.3/8.6/7.9/7.2	12.0/11.2/10.5/9.7/9.0	15.0/14.0/13.0/11.5/10.5	19.0/17.0/15.0/13.0/11.5
		Sound Level (Hi/Med Hi/Med/Mid Lo/Lo)	31/29/27/26/24		31/29/27/26/24	34/32/30/29/27	39/37/35/33/31		39/37/35/33/30
ESP (Hi/Std)		Pa	10/0						
Unit Dimension (HxWxD)		mm	200 x 700 x 450				200 x 900 x 450	200 x 1100 x 450	
Discharge Dimension (HxW)		mm	131 x 525				131 x 725	131 x 925	
Unit Weight		kg	17				20	23	
Piping Connections		Liquid Pipe/Gas Pipe	mm						
		Condensate Drain Pipe	mm						
Wired Remote Controller			BRC1E632						



## COMPACT Compact Ceiling Mounted Duct

Model Name			FPDQ20APV1	FPDQ25APV1	FPDQ32APV1	FPDQ40APV1	FPDQ50APV1	FPDQ63APV1	
Power Supply		V/Ph/Hz	220-240V/1Phase/50Hz						
Cooling Capacity		kW	2.2	2.8	3.6	4.5	5.6	7.1	
Power Consumption		W	72	75	78	93	180	196	
With Water Drain Pump									
Air Flow Rate (Hi/Med Hi/Med/Mid Lo/Lo)		m <sup>3</sup> /min	8.7/8.1/7.6/7.0/6.5	9.0/8.5/8.0/7.5/7.0	9.2/8.7/8.2/7.7/7.2	11.5/11.0/10.0/9.5/9.0	15.0/14.0/13.0/11.5/10.5	19.0/17.0/15.0/13.0/11.5	
Sound Level (Hi/Med Hi/Med/Mid Lo/Lo)		dB(A)	27/26/25/24/23	28/27/26/25/24	29/28/27/26/25	33/32/31/30/29	33/32/31/30/29	34/33/32/31/30	
ESP (Hi/Std)		Pa	30/10						
Unit Dimension (HxWxD)		mm	200 x 700 x 450				200 x 900 x 450		200 x 1100 x 450
Discharge Dimension (HxW)		mm	153 x 660				153 x 860		153 x 1060
Unit Weight		kg	17						
Piping Connections		Liquid Pipe/Gas Pipe	mm						mm
		Condensate Drain Pipe	mm						mm
Wired Remote Controller			PVC26(O.DΦ26/I.D.Φ20)						Φ9.5/Φ15.9
			BRC1E632						

## BATHROOM Ventilating Moisture Control Bathroom Ceiling Mounted Cassette

Model Name			FPEBQ20AV1
Power Supply		V/Ph/Hz	220-240V/1Phase/50Hz
Cooling Capacity		kW	1.95
Standard Mode	Power Consumption (With Water Drain Pump)	W	54
	Air Flow Rate (Hi/Lo)	m <sup>3</sup> /min	7/3
	Sound Level (Hi/Lo)	dB(A)	43/26
Dry Mode	Power Consumption (With Water Drain Pump)	W	85
	Air Flow Rate (Hi/Lo)	m <sup>3</sup> /min	7
	Sound Level (Hi/Lo)	dB(A)	43
Fan Only Mode	Power Consumption (With Water Drain Pump)	W	35
	Air Flow Rate (Hi/Lo)	m <sup>3</sup> /min	7/3
	Sound Level (Hi/Lo)	dB(A)	45/28
Ventilation Mode	Air Flow Rate (Hi/Lo)	m <sup>3</sup> /min	5/2.1
	Sound Level (Hi/Lo)	dB(A)	40/24
Dimension	Unit Dimension (HxWxD)	mm	230 x 555 x 540
	Panel Dimension (HxWxD)	mm	60 x 625 x 640
	Discharge Dimension (WxD)	mm	320 x 60
Unit Weight (Body/Panel)		kg	22/2.5
Piping Connections	Liquid Pipe/Gas Pipe	mm	Φ6.4/Φ12.7
	High and Low Pressure Pipe	mm	Φ9.5
	Condensate Drain Pipe	mm	PVC26(O.DΦ26/I.D.Φ20)
Decorative Panel			BYEBP20W1E
Wired Remote Controller			BRC62A612



# 6 | Specifications

## VRV Home Series - Indoor

### KITCHEN Durability Moisture Control Kitchen Ceiling Mounted Cassette

Model Name			FPEKQ20AV1	FPEKQ28AV1
Power Supply		V/Ph/Hz	220-240V/1Phase/50Hz	
Cooling Capacity		kW	2.2	3.2
Power Consumption	With Water Drain Pump	W	54	
Air Flow Rate (Hi/Med/Lo)		m <sup>3</sup> /min	7/3	8/6/3.5
Dimension	Unit Dimension (HxWxD)	mm	230 x 555 x 540	
	Panel Dimension (HxWxD)	mm	60 x 625 x 640	
	Discharge Dimension (WxD)	mm	320 x 60	
Unit Weight (Body/Panel)		kg	17/2.5	19/2.5
Sound Level (Hi/Med/Lo)		dB(A)	42/25	43/35/25
Piping Connections	Liquid Pipe/Gas Pipe	mm	Φ6.4/Φ12.7	
	High and Low Pressure Pipe	mm	Φ9.5	
	Condensate Drain Pipe	mm	PVC26(O.D.Φ26/I.D.Φ20)	
Decorative Panel			BYEKP20AY1E	BYEKP28AY1E
Wired Remote Controller			BRC63A622	



### CLOSET Moisture Control Closet Ceiling Mounted Cassette

Model Name			FPECQ20AV1
Power Supply		V/Ph/Hz	220-240V/1Phase/50Hz
Cooling Capacity		kW	2.2
Power Consumption	With Water Drain Pump	W	54
Air Flow Rate (Hi/Med Hi/Med/Mid Lo/Lo)		m <sup>3</sup> /min	7/6/5/4/3
Dimension	Unit Dimension (HxWxD)	mm	230 x 555 x 540
	Panel Dimension (HxWxD)	mm	60 x 625 x 640
	Discharge Dimension (WxD)	mm	320 x 60
Unit Weight (Body/Panel)		kg	18/2.5
Sound Level (Hi/Med Hi/Med/Mid Lo/Lo)		dB(A)	42/38/34/29/25
Piping Connections	Liquid Pipe/Gas Pipe	mm	Φ6.4/Φ12.7
	High and Low Pressure Pipe	mm	Φ9.5
	Condensate Drain Pipe	mm	PVC26(O.D.Φ26/I.D.Φ20)
Decorative Panel			BYEBP20W1E
Wired Remote Controller			BRC1E642





## LONG DUCT Medium Static Ceiling Mounted Duct



Model Name		FPSQ50CV1	FPSQ63CV1	FPSQ80CV1	FPSQ100CV1	FPSQ125CV1	FPSQ140CV1
Power Supply	V/Ph/Hz	220-240V/1Phase/50Hz					
Cooling Capacity	kW	5.6	7.1	9	11.2	14	16
Power Consumption	With Water Drain Pump W	118	151	194	228	274	325
Air Flow Rate (Hi/Med/Lo)	m <sup>3</sup> /min	17.6/14.9/12.3		23.8/19.6/15.5	28.0/23.1/18.2	33.0/27.8/22.5	39.0/32.2/25.4
Sound Level (Hi/Med/Lo)	dB(A)	35/32/29		37/34/31		40/37/34	42/39/36
ESP (High/Lo)	Pa	80/50		100/50		80/50	
Unit Dimension (HxWxD)	mm	250 x 1000 x 700		250 x 1400 x 700			
Discharge Dimension (HxW)	mm	200 x 962		200 x 1362			
Return Dimension (HxW)	mm	214 x 964		214 x 1364			
Unit Weight	kg	32		40	42		
Piping Connections	Liquid Pipe/Gas Pipe	mm	Φ6.4/Φ12.7		Φ9.5/Φ15.9		
	Condensate Drain Pipe	mm	PVC32(O.D)Φ32/I.D.Φ25				
Wired Remote Controller		BRC1E632					

## VRV Home Series - Outdoor



Model Name		RPZQ4AV1	RPZQ5AV1	RPZQ6AV1	RPZQ8AY1	RPZQ9AY1	RPZQ10BY1	RPZQ12BY1	
Power Supply	V/Ph/Hz	220-240V/1Phase/50Hz				380-415V/3Phase/50Hz			
Cooling Capacity	kW	11.2	14	15.5	22.4	24.1	28	33.5	
Power Consumption	kW	2.87	3.62	4.19	6	6.89	7.2	9.1	
Air Flow Rate	m <sup>3</sup> /min	76		106	140		182		
Unit Dimension (HxWxD)	mm	990x940x320		1345x900x320	1430x940x320		1615x940x460		
Unit Weight	kg	80		104	140		174	180	
Sound Level	dB(A)	53		51	56	57	55		
Operating Range		-5 ~ 50°C DB							
Piping Connections	Liquid Pipe/Gas Pipe	mm	Φ9.5/Φ15.9		Φ9.5/Φ19.1		Φ9.5/Φ22.2	Φ12.7/Φ25.4	
	High and Low Pressure Pipe	mm	Φ12.7						Φ15.9

Just feel.

New Life Style





**AUTHORIZED DEALER**

**DAIKIN MALAYSIA SALES & SERVICE SDN. BHD.**

*(Formerly known as Group Associated (C & L) Sdn. Bhd.)*

*(109719-M)*

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Selangor, Malaysia*

*[www.daikin.com.my](http://www.daikin.com.my)*

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