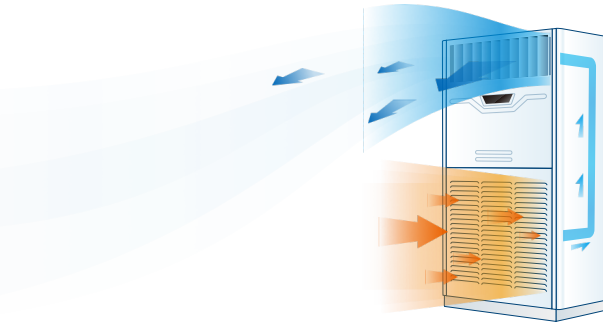


## Features

### Indoor Unit-Floor Standing

#### Large capacity, powerful air supply

The floor standing unit has large capacity, large air flow and long distance air supply. The wide air outlet design making the room air circulation quickly and reaching the set temperature in a short time, easily meets the needs of large space.



## Matchable Table

### One drive one system



Medium static pressure duct

High static pressure duct

Floor standing unit

## Matchable Table

### One drive two system



Four-way Cassette

## Specifications

### Indoor Units

Indoor unit model/ Quantity			GRVTA-96CWDN1-V	GRVTA-76CWDN1-V	GRVTA-96CWDN1-V	GRVTA-76CWDN1-V
Outdoor unit model / Quantity			GRVOUC-96CDN1-C/1	GRVOUC-76CDN1-C/1	GRVOUC-96CDN1-C/1	GRVOUC-76CDN1-C/1
Indoor unit power supply			220-240V, 1Ph~, 60Hz	220-240V, 1Ph~, 60Hz	220-240V, 1Ph~, 60Hz	220-240V, 1Ph~, 60Hz
Cooling	Capacity	kW	28.8	23.5	28.8	23.5
	Input	kW	13.9	11.2	14.4	11.5
	EER	W/W	2.07	2.1	2	2.04
	SEER	W/W	3.1	3.3	3.1	3.2
Max. power input	W	1000	1000	1200	1200	
Air flow	m <sup>3</sup> /h	4400	4400	4600	4600	
Standard external static pressure	Pa	100Pa (50-150pa)	100Pa (50-150pa)	150Pa (50-196pa)	150Pa (50-196pa)	
Noise level	dB(A)	55/53/51	55/53/51	55/53/51	55/53/51	
Fan	Type		Centrifugal	Centrifugal	Centrifugal	Centrifugal
	Drive type		Direct	Direct	Direct	Direct
Coil	Copper tube and aluminum fin					
Controller	Wired controller					
Refrigerant pipe	Liquid	mm	Φ9.53	Φ9.53	Φ9.53	Φ9.53
	Gas	mm	Φ22.2	Φ22.2	Φ22.2	Φ22.2
Dimension	Net (W×H×D)	mm	1366×450×722	1366×450×722	1366×450×722	1366×450×722
	Packing (W×H×D)	mm	1555×500×875	1555×500×875	1555×500×875	1555×500×875
Net/ Gross weight	kg		85/ 94	85/ 94	90/ 99	90/ 99

Indoor unit model/ Quantity			GRVFA-96CRDN1-V	GRVFA-76CRDN1-V	GRVQ4A-48CRDN1-V/2	GRVQ4A-38CRDN1-V/2
Outdoor unit model / Quantity			GRVOUC-96CDN1-C/1	GRVOUC-76CDN1-C/1	GRVOUC-96CDN1-C/1	GRVOUC-76CDN1-C/1
Panel / Quantity			/	/	T-MBQ-02C1/2	T-MBQ-02C1/2
Branch joint / Quantity			/	/	FQZH-N-02D/1	FQZH-N-02D/1
Indoor unit power supply			220-240V, 1Ph~, 60Hz	220-240V, 1Ph~, 60Hz	220-240V, 1Ph~, 60Hz	220-240V, 1Ph~, 60Hz
Cooling	Capacity	kW	29.5	23.5	28	23.5
	Input	kW	13.92	11	12.61	10.5
	EER	W/W	2.12	2.14	2.22	2.24
	SEER	W/W	3.3	3.4	3	3.4
Max. power input	W	600	600	190	190	
Air flow	m <sup>3</sup> /h	4500	4500	1800	1800	
Noise level	dB(A)	60/59/56	60/59/56	41/39/37(single unit)	41/39/37(single unit)	
Fan	Type		Centrifugal	Centrifugal	Centrifugal	Centrifugal
	Drive type		Direct	Direct	Direct	Direct
Coil	Copper tube and aluminum fin					
Controller	Remote controller					
Refrigerant pipe	Liquid	mm	Φ9.53	Φ9.53	Φ9.53	Φ9.53
	Gas	mm	Φ22.2	Φ22.2	Φ22.2	Φ22.2
Dimension	Net (W×H×D)	mm	1200×1860×420	1200×1860×420	840×300×840 950×950×46 (Panel)	840×300×840 950×950×46 (Panel)
	Packing (W×H×D)	mm	1362×2050×582	1362×2050×582	955×317×955 1035×1035×90 (Panel)	955×317×955 1035×1035×90 (Panel)
Net/ Gross weight	kg		137/ 164	137/ 164	5.3/7.9 (Panel)	5.3/7.9 (Panel)

Notes:

- T1 cooling capacity test condition: Outdoor ambient temperature: 35°C, indoor temperature 27°C DB / 19°C WB; refrigerant pipe length between indoor unit and outdoor unit is 7.5m.
- Heating capacity test condition: Outdoor ambient temperature: 7°C DB / 6°C WB, indoor temperature 20°C DB / 15°C WB; refrigerant pipe length between indoor unit and outdoor unit is 7.5m.
- Specifications are subject to change without prior notice for product improvement.

## Specifications

### Universal Outdoor Units

Outdoor unit model			GRVOUC-96CDN1-C	GRVOUC-76CDN1-C
Outdoor unit power supply			380-415V, 3Ph~, 60Hz	380-415V, 3Ph~, 60Hz
Max. power input	kW		14	14
Max. current	A		32	32
Air flow rate	m <sup>3</sup> /h		7500	7500
Noise level	dB(A)		62	60
Compressor	Type		Rotary	Rotary
	Quantity		1	1
Refrigerant	Type		R410A	R410A
	Quantity	kg	3.9	3.9
Fan type / Drive type			Axial fan/Direct	Axial fan/Direct
Coil	Copper tube and aluminum fin			
Refrigerant piping size	Liquid	mm	Φ9.53	Φ9.53
	Gas	mm	Φ22.2	Φ22.2
Ambient temperature	Cooling		10-55	10-55
Dimension	Bbody (W×H×D)	mm	900×1325×370	900×1325×370
	Packing (W×H×D)	mm	1030×1456×435	1030×1456×435
Net / Gross weight	kg		115/ 125	115/ 125

# GENERAL<sup>®</sup> Royal

A BETTER AIR CONDITIONER SUPPLIER



Cooling Only 60Hz

## DC Inverter Large Split Air Conditioner

Enhanced Comfort and Reliable



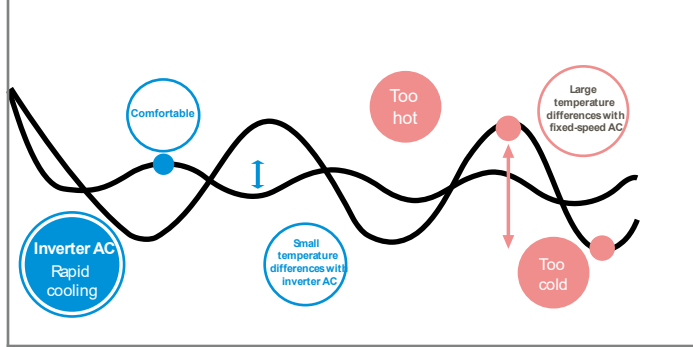
## Features

### Outdoor Unit

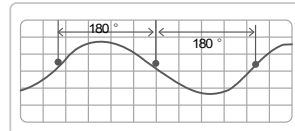


#### DC inverter technology, precise temperature control

The DC inverter compressor system reaches full load rapidly providing less temperature fluctuation and improved living environment.



Stepless inversion, precise temperature control, comfortable and healthy



#### DC Inverter technology

New generation 180° sine wave drive technology, higher energy efficiency



#### Seamless Inverter main board

Wider inverter range control



#### High precision EXVs

Each EXV part achieves 480 pulse rate to precisely adjust refrigerant flow



#### High precision temp. sensor

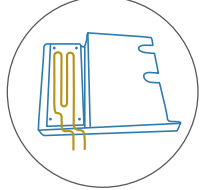
It can react to temperature fluctuations with a precision of 0.5°C.

#### Refrigerant cooling PCB

The outdoor unit uses refrigerant cooling technology to cool the electric control box guaranteeing the stable and safe running of the control system.

It improves the high temperature cooling capabilities, resulting in a system that can provide powerful cooling in 55°C environment, with increased high temperature cooling efficiency of 15~20%, rapidly cools in high temperature environments, with a temperature drop rate that is 5-10% faster than that of conventional ACs.

\* The above data was cited from a nationally accredited laboratory.



Liquid cooling is more efficient, allowing it to function in high temperature environments and making it more adaptable to high-temperature urban environments.



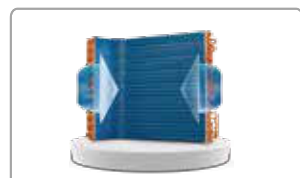
#### Brand name components, smart manufacturing, professionalism, and premium quality

Combines a variety of multi-core components such as brand name DC inverter compressors, high efficiency heat exchanger, and a high functionality motor. This ensures that the system is high quality, energy-saving, quiet, and durable.



#### Compressor of renowned brand

Utilizes brand name high-efficiency DC inverter compressor for powerful operation that is more energy efficient and stable.



#### Efficient Heat Exchanger

Features an overlapping multiple-outlet route design, distributing the flow of air more evenly, delivering higher heat transfer and increased efficiency.



#### High functionality motor

Utilizes new manufacturing technology and materials to effectively mitigate wear and tear and improve operating efficiency.



#### Quiet fan blades

The structure of this unit's fan blades has been optimized using CFD technology, reducing the electric motor's energy consumption and operating noise.

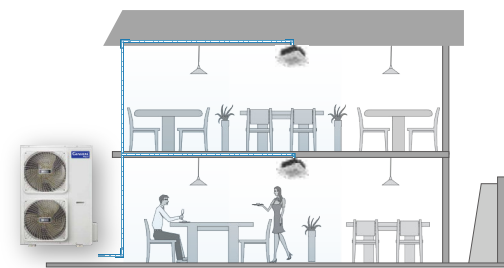
#### Silence technology ensures a quiet operating environment

To implement quieter running of IDU and ODU, we used advanced technologies such as CFD and FEM, researching the sources of component vibration in air conditioning systems and optimizing the fan's blades, resulting in an air conditioning unit that creates a more comfortable and harmonious work environment for customers.



#### A long-pipe high-drop design allows flexible installation and optimizes space

A long-pipe high-drop design allows users to flexibly select the installation location, optimizing the use of space.



Maximum pipe length  
70m

Maximum level difference between IDU and ODU  
30m



- Newly-designed air guide ring
- Newly-designed air outlet grille
- Motor mount features a vibration-reduction design



- New-generation DC inverter compressor with high performance and low noise
- Compressor soundproof enclosure processing
- Vibration-reduction design of 3D simulation pipe



- Large vibration-reduction axial fan
- Refrigerant flow muffling
- Vibration-reduction outer casing for outdoor unit

#### Creates a small footprint, saving installation space

The outdoor unit has a small footprint with only 0.448m<sup>2</sup> for a 10HP unit, which can significantly save installation space.



Takes up a small footprint

#### Diverse, smart, and user-friendly control options



#### ± Remote controller

- Equipped with multiple operating mode settings (auto, cooling, heating, dehumidification, multi-speed air supply);
- Equipped with clock, timer, and swing functions;
- Backlit display allows easy operation at night;
- Use the remote controller to automatically set the IDU address, making installation and commissioning quick and easy.



#### ± Wired controller

- The locking function can be used to prevent other people from using the controller.
- A larger LCD display and white backlight allow clear and easy operation;
- Touch buttons are equipped with a backlight, for hassle-free evening use;
- Equipped with green status indicator for on/off, A remote control signal receiver, sleep mode, and a filter screening alert function;

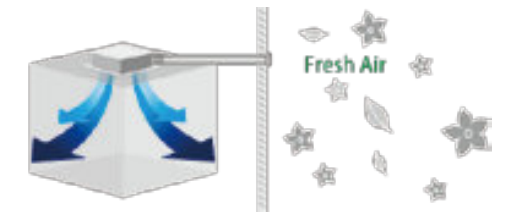
## Features

### Indoor Unit- Fourway Cassette



#### 360° Airflow Outlet

For Compact Four-way Cassette: 360° air outlet provides strong air flow circulation to cool or heat every corner of a room and evenly control temperatures.



#### Fresh Air Intake

Fresh air can enter through the cassette unit so you can enjoy even fresher air in a room.

#### Easy Troubleshooting

For Four-way Cassette: By adding digital tube on the display board, Error Codes can be displayed directly for troubleshooting.



#### High-lift Drain Pump

For Compact Four-way Cassette: Drain pump with a 500mm pump head is fitted as standard; maximum 600mm pump head is available.

For Four-way Cassette: Drain pump can pump condenser water up to 750mm high, which simplifies installation of the drain piping system.

## Features

### Indoor Unit- Ducted Type



#### Multiple static pressure control

Depending on the installation environment, the medium/high static pressure duct can supply multiple static pressure control, for providing comfortable environment suitable for any environment.

For duct with length less than 50m

198Pa



For duct with length less than 25m

100Pa



For duct with length less than 5m

30Pa

