



2025

RRAC&ULTRA HEAT MULTI ZONE



A Power Inc

Contact Add: #76 Shore Road, Port Washington, NY 11050 / Website: www.1010apower.com / Phone number: 1-800-576-9523

CONTENTS

01 RAC

P1 Icon Interpretation

P13 Airy

P17 Clivia

P23 Pular

P27 Cosmo

02 Ultra Heat Multi Zone

P35 Ultra Heat Free Match

P57 Ultra Heat Universal



Icon Interpretation RAC

◆ Comfortable and User-friendly



3D Airflow

The air guide louver can not only automatically swing up and down, but also left and right. It enables 3D airflow for wider air supply to enhance the comfort.



8°C Heating Mode

Under heating mode, the unit operates at 8°C to ensure constant room temperature for maintaining comfort and saving energy.



Fast Cool

Under Fast Cool mode, the temperature in the room will be decreased quickly; 20min later, the temperature and fan speed will resume their settings in the previous cooling state.



Adjustable Temperature under Auto Mode

Once auto mode is set, the unit can automatically adjust the temperature basing on the detected temperature. No need to switch cooling or heating mode when there is big temperature difference.



Quiet Design

Indoor unit operates at ultra low fan speed under this mode for the lowest noise, offering you a quiet environment for study and working.



Comfortable Sleeping Mode

The unit slowly increases (cooling) or decreases (heating) the set temperature to satisfy the sleeping demand of users.



Vertical Auto Swing

The unit can automatically swing up and down to enhance the comfort



Horizontal Auto Swing

The unit can automatically swing left and right to enhance the comfort.



24-hour Timer

Timer: You can set the start and stop time by the remote controller, such as stop after 1.5h or start after 1.5h. (The setting can only take effect once)



Two-stage Compressor

Under low temperature, the capacity of two-stage compress can be improved by 20%



7 Fan Speeds

Fan speed can be adjusted by a remote controller. Turbo fan speed can instantly change the room temperature, enabling you to feel the coolness immediately, while quiet fan speed enables you to enjoy the comfortable temperature quietly.



Long Air Supply Distance

Ultra-long-distance airflow delivery, bringing comfort to every corner.



I-Feel

Do you always feel hot or cold when the unit has operated for a period of time? Is it very troublesome to adjust the temperature frequently? Now I-Feel function can solve this problem for well. One button for you to enjoy the comfortable life.



Three Sleep Modes

The unit slowly increases (cooling) or decreases (heating) the set temperature to satisfy the sleeping demand of users.



8°C~30°C Adjustable Heating Mode

The temperature can be adjusted from 8°C to 30°C in heating mode, the ultra-wide adjustable temperature range can bring more comfortable experience to our customer.



Multiple Fan Speeds

The unit has 4 or 3 fan speeds--quiet, low, medium, high, which can satisfy various requirements.



Clock Timer

Clock: You can set a certain time to start and stop by the remote controller, such as turn on the unit at 13:38 or turn it off at 16:38. (The setting can take effect before the next setting)



Dry Mode

The air conditioner has dehumidification function and it can dehumidify during operation, which is convenient and fast.



Independent Smart Dehumidification

Airry can operate according to the humidity set by the user. It is specially designed with the continuous dehumidification function, which can meet the daily need for drying clothes.



Avoid Direct Airflow to People

Airflow to people is prevented - the cool air blows upward along the wall and then sinks, providing natural cooling for you.



Turbo

In cooling or heating mode, press "Turbo" button on the remote controller for big air flow, which enables indoor temperature to reach the set one in a short time.



Auto Restart

If the power supply is suddenly disconnected during the operation of air conditioner, the unit will save the operating state. After power recovery, it will automatically start and maintain the operating state before the power failure.



Heating for 10h without Shutdown

Shortens the defrosting time of outdoor unit, reduces indoor temperature fluctuation and enables continuous heating for 10 hours without a stop.

Icon Interpretation RAC

◆ Convenient



LED Display

LED display can display clearly in front of a light source.



Key-card Control

Gree air conditioner is equipped with key-card control function. Swiping the key-card can turn on the air conditioner; when the card is removed, the unit keeps working for 6mins and then stops operation.



Two Modes of Buzzer Adjustable

The volume and the indication sound of the buzzer can be adjusted, no worry for disturbing daily life.



Auto Light Sensor

The air conditioner can automatically sense the change of light in the environment and then intelligently adjust the display brightness.



Wired Control

Gree smart centralized controller can control on/off, mode, temperature and timer of 36 unit at the most in a centralized way.



Concealed Handles

Concealed handles for easy movement



Anti-cold

First heating and then blowing for cold air prevention, more comfortable



Universal Castors

Universal castors for easy movement



Easy Installation and Maintenance

The air conditioner can be disassembled directly for cleaning and maintenance, and it's easy for installation.

◆ Intelligent Control



Off-line Voice Control

It can turn on or turn off the unit, and adjust the temperature, operation mode and swing mode by voice control.



Efficient Bluetooth Distribution Network

Using Bluetooth flash configuration, devices can automatically find nearby network connection, improve the success rate and reduce the steps of distribution network.



Wifi Control

Achieve long-distance control of unit on and off, temperature and fan speed, etc. by APP in the mobile phone and wifi.



Smart Voice Control

Smart voice control is available; Google Assistant or Amazon Alexa are compatible.

◆ High-efficiency and Energy-saving



3DC Inverter

3DC inverter includes DC inverter compressor, high chamber and high-efficient DC motor, with superior performance.



G-AI Energy-saving Technology

Air conditioners with G-AI energy-saving technology can learn environmental changes and customer needs dynamically, always implement the optimal control strategy to achieve energy saving and comfort.



Power Gear Control

There are three gears for the power reduction function. Air conditioners can operate stably and reliably under different power output statuses at the areas with requirements for power limitation and energy conservation.



Intelligent Defrosting

The unit can intelligently detect the frosting status and conduct defrosting rapidly to improve the heat dissipation efficiency.



High Efficiency

The air conditioner is designed to high energy efficiency and to realize power saving.



Anti-corrosion Evaporator

After high-temperature curing, the eco-friendly water-based coating will form a dense and low-porosity organic film on the surface of the substrate, which can effectively isolate common corrosives in the air.

Icon Interpretation RAC



G-Boost Inverter Compressor

Stable cooling of compressor even at a high temperature of 68 °C



MiniERV

Full Heat Exchange Two-way Ventilation. MiniERV (Mini Energy Recovery Ventilation) adopted innovative total heat two-way ventilation system. There is only heat exchange, ensuring air quality and satisfactory temperature.



ODU Self-cleaning

Cooling only units achieve self-cleaning through reverse running of the fan; heat pump units achieve self-cleaning through reverse running of the fan, condensation, frosting and defrosting. The cleaner the outdoor unit, the better the cooling effect and energy saving.

◆ Healthy and Clean



Multi-functional Filters

Photocatalyst filter, HEPA filter, catechin filter, activated carbon filter, silver ion filter, etc.



Colasma Air Purification Technology

The cold plasma device generates positive and negative ions to kill the bacteria and then decompose them into water.



X-fan

The cross fan continuous to blow to dry the inner side of indoor unit when the unit is turned off for keeping it clean and healthy.



IDU Self-cleaning

Condensate water mixes with the dust, and then the dust will be removed through defrosting; after that, the temperature is increased to dry the evaporator for preventing the mildew and keeping the air clean.



Real-time Monitoring of Air Quality

With a built-in dust sensor and 4-color light display, the unit can show the air quality of your room.



Filter Cleaning Reminder

When the filters need to be cleaned, the dehumidifier or window air conditioner will automatically remind the user.



UV

LED ultraviolet lamp can emit strong ultraviolet light to inhibit the growth of bacteria and viruses. It has the advantages of small size, long life and no ozone generation.



Ventilation

Indoor and outdoor air exchange for fresh indoor air

◆ Safe and Reliable



5-level Washing Water-electricity Separation

All ventilated components can be disassembled and washed, including filter, swing mechanism, air outlet, fan blade, water channel and evaporator. All above are components without electricity, which are safe and reliable.



Wide Voltage Range

The unit can operate stably under a wide voltage range, which is suitable for the regions with unstable power supply.



Self-diagnosis

Once wrong operation or failure happens, the unit will shut off automatically to protect the system. Meanwhile, protections or error codes will be displayed for maintenance.



Refrigerant Shortage Protection

When the refrigerant is insufficient or the valve is blocked, indoor unit will display error code "F0" and stop operation to protect the unit.



Anti-corrosion Fin

The anti-corrosion fins adopt special anti-corrosion materials; corrosion resistance and acid resistance of air conditioner will be reinforced under the humid environment.



Low Voltage Startup

The AC or dehumidifier can be normally started up even the voltage is 10% lower than the normal one, safe and stable.



Fire-proof Electric Box

Electric box adopts new BMV fireproof material, safe and reliable.



Anti-corrosion Protection of Outdoor Unit

Chassis, panel, side plate and top cover are sprayed with electrostatic powder to against the neutral salt spray.

Icon Interpretation RAC



**3-layer Coating
Protection for the
Main Board**

It can bear 1000h neutral salt spray test, much safer and more reliable.



**Anti-corrosion
Protection of Tubes**

Epoxy zinc phosphate coating served as a protective film on the surface of the tubes.



Soft Start

The rotation speed of inverter compressor increases step by step at the time of startup to prevent the power grid from excessive fluctuation for increasing the startup safety.



Child Lock

When Child Lock function is activated, misoperation from children will be avoided. Potential risks can also be avoided.



**Intelligent
Auto-restart**

The Intelligent Auto-Restart function can start up each air conditioner with the starting time of second difference, so as to avoid the impact on the power grid



**Continuous
Drainage**

Compared with the traditional drainage by chassis, the high drop continuous drainage is more convenient for the installation of drainage pipes and the discharge of condensate water.



Auto Fan

The dehumidifier has the function of auto fan, enables you to enjoy the dry and cool life at the same time.



**Intelligent
Defrosting**

If the evaporator is frosted, the dehumidifier can defrost automatically and continue to run.



24h Preset

The dehumidifier can preset dehumidification 24h in advance.



**Filter Cleaning
Reminder**

When the filters need to be cleaned, the dehumidifier or window air conditioner will automatically remind the user.



**Turbo Boost
Clothes Drying
System**

After the dehumidifier conducts fast drying and completes the drying, the indoor humidity will be kept in a certain degree to prevent clothes from mildewing.



**Humidity
Display**

Display the humidity on time to get the environment more quickly.



**Touch
Control**

Button-touch button instantly starts the sensory world, which brings excellent experience to consumers.



**Removable
Water Tank**

You can drain easily by removable water tank.



**Water Full
Indicator**

When the water tank is full, the dehumidifier will give an alarm and remind users to drain water.



Air Flow

The dehumidifier has the function of air flow, you can enjoy the dry and cool life at the same time.

◆ Dehumidifier



**Continuous
Dehumidification**

Dehumidifier can always be in continuous dehumidification state, without fear of environmental humidity changes.



**Low Temperature
Dehumidification**

Low temperature dehumidification and stable operating under 2°C.



Beep

Touch sound can be turned off by pressing the button to ensure comfortable sleep.



**External Drain
Connector**

External drain connector, not to worry about leakage after pulling out the hose.

Products Overview

Wall-mounted Type		Capacity (Btu/h) Information	9000	12000	18000	24000	30000	36000	Page
Airy		DC Inverter, R32	●	●	●	●			13
Clivia		DC Inverter, R32	●	●	●	●			17
Pular		DC Inverter, R32	●	●	●	●			21
Cosmo		DC Inverter, R32	●	●	●	●	●	●	25

WALL-MOUNTED TYPE

- Airy
- Clivia
- Pular
- Cosmo



Surfing Louver, All-round Cool

Fully-closed motional large air louver



Air supply distance up to 15.5m



Air supply volume up by 10%



Large air swing angle



Anti direct blow

2-mode Air Delivery

Direct air supply in near field and far field is prevented for more comfort.



Mode 1 “” for near field



Mode 2 “” for far field

WALL-MOUNTED TYPE

Airy

Hyper Heat

Features: ☐ Standard ☐ Optional



G-AI Energy-saving Technology



8°C~30°C Adjustable Heating Mode



Efficient Bluetooth Distribution Network



Long Air Supply Distance



Auto Light Sensor



Two Modes of Buzzer Adjustable



Avoid Direct Airflow to People



Heating for 10h without Shutdown



Independent Smart Dehumidification



24-hour Timer



Dry Mode



Turbo



Wifi



3D Airflow



LED Display



Multiple Fan Speeds



7 Fan Speeds



Quiet Design



Three Sleep Modes



Auto



I-Feel



Intelligent Auto-restart



X-Fan



IDU Self-cleaning



Auto Restart



Wide Voltage Range



Low Voltage Startup



Self-diagnosis



Fire-proof Electric Box



Refrigerant Shortage Protection



3DC Inverter



Soft Start



Anti-cold



Anti-Corrosion Protection of Outdoor Unit



MiniERV



Comfortable Sleeping Mode



Anti-corrosion Fin



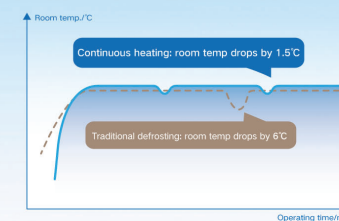
Fast Cool

ChillSwipe, No Chance for Chill

Continuous Heating Technology

Defrost logic based on frost growth and system parameter, so as to constantly keep heating during defrosting without shut down.

Room temperature fluctuation is smaller during defrosting (0.7~1.7°C Vs. 6~8°C)



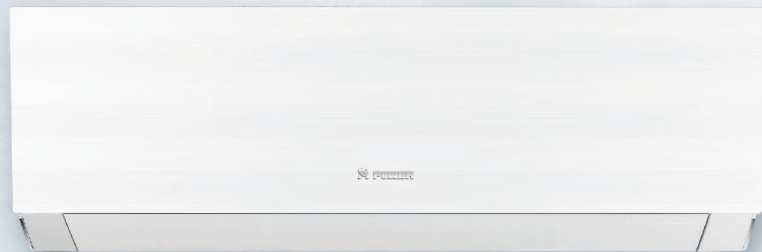
10-hour continuous heating without a stop



Defrosting time about 2~3min (2~3min Vs. 8~12min)



Airy	Indoor unit	APA09HP230VASI	APA12HP230VASI	APA18HP230VASI	APA24HP230VASI
	Outdoor unit	APA09HP230VAO	APA12HP230VAO	APA18HP230VAO	APA24HP230VAO
Cooling Capacity	Btu/h	9100	12000	18000	22000
Heating Capacity	Btu/h	10600	12200	18595	24000
EER	(Btu/h)/W	16.80	15.19	14.30	13.98
COP	(Btu/h)/W	15.00	15.52	14.00	13.31
SEER	-	30.0	27	27.5(SEER2)	27.5
HSPF	-	11.2	10	9.7(HSPF2)	10.0
Rated Voltage	V~	208/230	208/230	208/230	208/230
Min/Max. Voltage	V	187/253	187/253	187/253	187/253
Rated Cooling Current	A	5.9	5.91	12.5	14
Rated Heating Current	A	7.6	7.8	16	21.5
Min. Current (MCA)	A	11	11	21	25.5
Indoor Unit Sound Pressure Level (SL) Cooling mode	dB (A)	23	27	35	36
Indoor Unit Sound Pressure Level (SS) Cooling mode	dB (A)	42	43	49	53
Indoor Unit Sound Pressure Level (SS) Heating mode	dB (A)	42	45	47	65
Indoor Unit Sound Pressure Level (SL) Heating mode	dB (A)	27	32	36	48
Outdoor Unit Sound Pressure Level (H)	dB (A)	55	55	59	62
Indoor Unit Dimension (W*H*D)	inch	38 3/16 × 13 21/32 × 10 1/8	38 3/16 × 13 21/32 × 10 1/8	43 45/64 × 13 21/32 × 10 1/8	43 45/64 × 13 21/32 × 10 1/8
Indoor Unit Dimension of Package(L*W*H)	inch	40 7/16 × 16 1/2 × 13 11/32	40 7/16 × 16 1/2 × 13 11/32	45 55/64 × 16 1/2 × 13 21/32	45 55/64 × 16 1/2 × 13 21/32
Indoor Unit Net Weight	lb	33.1	33.1	38.6	39.7
Indoor Unit Gross Weight	lb	38.6	38.6	45.2	46.3
Cooling Operation Ambient Temperature Range	°F	-20~122	-20~122	-20~122	-20~122
Heating Operation Ambient Temperature Range	°F	-22~86	-22~86	-22~86	-22~86
Outdoor Unit Dimension (W*H*D)	inch	34 3/8 × 21 27/32 × 14 51/64	34 3/8 × 21 27/32 × 14 51/64	37 23/32 × 25 63/64 × 15 53/64	39 3/8 × 29 3/8 × 16 13/16
Outdoor Unit Dimension of Package(L*W*H)	inch	37 7/16 × 16 31/32 × 24 13/32	37 7/16 × 16 31/32 × 24 13/32	40 5/8 × 17 61/64 × 29 1/64	42 33/64 × 19 1/64 × 31 57/64
Outdoor Unit Net Weight	lb	78.3	78.3	94.8	115.8
Outdoor Unit Gross Weight	lb	84.9	84.9	104.7	126.8
Dehumidifying Volume	Pint/h	1.69	2.96	3.8	7.4
Compressor Type	-	Rotary	Rotary	Rotary	Twin Rotary
Air Flow Volume	CFM	1766	1766	1883	2648
Refrigerant	-	R32	R32	R32	R32
Refrigerant Charge	oz	35.3	35.3	47.6	56.4
Connection Pipe Length	ft	82	82	82	82
Outer Diameter of Liquid Pipe(Client Allocation)(British System)	inch	1/4"	1/4"	1/4"	1/4"
Outer Diameter of Gas Pipe(Client Allocation)(British System)	inch	1/2"	1/2"	5/8"	5/8"
Max. Over Current Protection	A	15	15	25	30
Suggested breaker size	A	15	15	25	30
Main Power Wire Size	AWG	Per Local Code	Per Local Code	Per Local Code	Per Local Code
Interconnecting Wire Size	AWG	14/4	14/4	14/4	14/4



WALL-MOUNTED TYPE

Clivia

Hyper Heat

Features: ☐ Standard ☐ Optional



Ventilation Mode

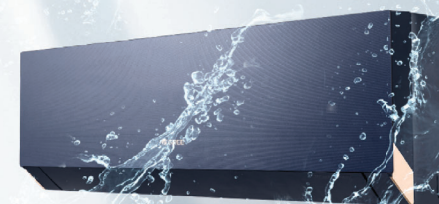
*Clivia adopts the innovative two-way air ventilation system. In addition to intake outdoor fresh air, it can also discharge indoor foul air to guarantee clean indoor air.



Note: this function is optional.

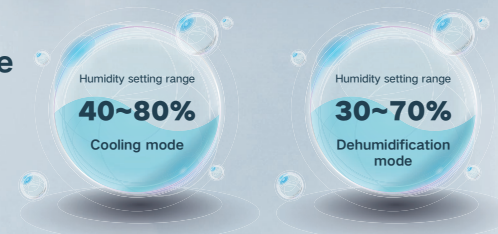
Smart humidity control

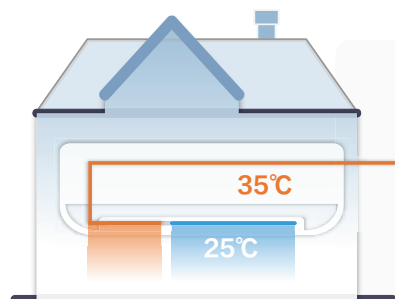
It is the first time that Gree combines temperature, humidity and energy efficiency variables to form the optimal temperature and humidity curve of human body with energy saving, and select the most comfortable humidity range, so that comfort and energy saving can be available by the users at the same time.



Humidity is controllable

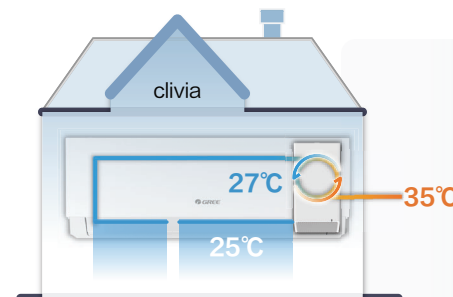
Clivia can also operate according to the humidity set by the user, considerate for every special demand of the user.





Summer

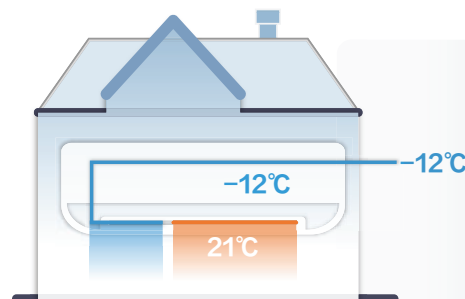
If there isn't a total heat exchanger, the high-temperature outdoor air in summer will be directly taken indoors, resulting in temperature rise indoors; therefore, it will consume the cooling power of air conditioner and waste energy.



Summer

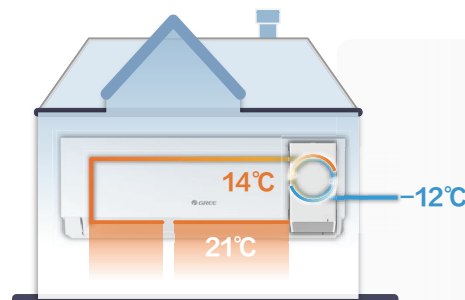
If there is a total heat exchanger, when the high-temperature outdoor air in summer is taken indoors, heat exchange will be conducted with the discharged low-temperature indoor air to cool the fresh air, thus saving energy.

Note: In cooling or heating mode, temperature after fresh air ventilation is related to real-time air volume, indoor and outdoor humidity and other factors, this figure is for reference only.



Winter

If there isn't a total heat exchanger, the low-temperature outdoor air in winter will be directly taken indoors, resulting in temperature decrease indoors; therefore, it will consume the heating power and waste energy.



Winter

If there is a total heat exchanger, when the low-temperature outdoor air in winter is taken indoors, heat exchange will be conducted with the discharged high-temperature indoor air to warm the fresh air, thus saving energy.

Thanks to the total heat exchanger, there is only heat exchange, ensuring air quality and satisfactory temperature.

Note: In cooling or heating mode, temperature after fresh air ventilation is related to real-time air volume, indoor and outdoor humidity and other factors, this figure is for reference only.

Clivia	Indoor unit	APC09HP115VAI	APC12HP115VAI	APC09HP230VASI	APC12HP230VASI	APC18HP230VASI	APC24HP230VASI
	Outdoor unit	APC09HP115VAO	APC12HP115VAO	APC09HP230VAO	APC12HP230VAO	APC18HP230VAO	APC24HP230VAO
Cooling Capacity	Btu/h	9100	12000	9100	12000	18000	22000
Heating Capacity	Btu/h	10000	12000	10500	12000	18000	24000
EER	(Btu/h)/W	15	13	15	13	13.65	13.66
COP	(Btu/h)/W	13.6	13	13.3	13	13.35	13.66
SEER	—	27.0(SEER2)	24.5	26(SEER2)	24.5	24.5(SEER2)	26
HSPF	—	10.5(HSPF2)	9.5	10.4(HSPF2)	9.5	9.0(HSPF2)	10
Rated Voltage	V ~	115	115	208/230	208/230	208/230	208/230
Min/Max. Voltage	V	103.5/126.5	103/126	187/253	187/253	187/253	187/253
Rated Cooling Current	A	12.28	15.38	4.73	6.64	11.5	13
Rated Heating Current	A	16.59	15.41	6	6.41	11.5	15.5
Min. Current (MCA)	A	19	19	10	10	16	22
Indoor Unit Sound Pressure Level (SL) Cooling mode	dB (A)	41	43	41	43	48	52
Indoor Unit Sound Pressure Level (SS) Cooling mode	dB (A)	24	25	24	25	29	34
Indoor Unit Sound Pressure Level (SS) Heating mode	dB (A)	40	44	40	44	51	52
Indoor Unit Sound Pressure Level (SL) Heating mode	dB (A)	23	28	24	28	27	34
Outdoor Unit Sound Pressure Level (H)	dB (A)	52	52	52	52	59	58
Indoor Unit Dimension (W*H*D)	inch	32 31/64 × 11 17/32 × 7 23/32	32 31/64 × 11 34/64 × 7 46/64	32 31/64 × 11 17/32 × 7 23/32	32 31/64 × 11 34/64 × 7 46/64	38 42/64 × 12 16/64 × 8 45/64	42 21/64 × 13 7/64 × 9 44/64
Indoor Unit Dimension of Package(L*W*H)	inch	34 29/64 × 14 3/8 × 10 35/64	34 29/64 × 14 24/64 × 10 35/64	34 29/64 × 14 3/8 × 10 35/64	34 29/64 × 14 24/64 × 10 35/64	41 7/64 × 15 10/64 × 11 44/64	44 39/64 × 16 19/64 × 13 7/64
Indoor Unit Net Weight	lb	20.9	20.9	20.9	20.9	28.7	35.3
Indoor Unit Gross Weight	lb	25.4	25.4	25.4	25.4	34.2	41.9
Cooling Operation Ambient Temperature Range	°F	-20 ~ -122	-20 ~ -122	-20 ~ -122	-20 ~ -122	-20 ~ -122	-20 ~ -122
Heating Operation Ambient Temperature Range	°F	-22 ~ -86	-22 ~ -86	-22 ~ -86	-22 ~ -86	-22 ~ -86	-22 ~ -86
Outdoor Unit Dimension (W*H*D)	inch	31 37/64 × 21 27/32 × 13 25/32	31 37/64 × 21 54/64 × 13 50/64	31 37/64 × 21 27/32 × 13 25/32	31 37/64 × 21 54/64 × 13 25/32	37 46/64 × 25 63/64 × 15 53/64	37 46/64 × 25 63/64 × 15 53/64
Outdoor Unit Dimension of Package(L*W*H)	inch	34 21/64 × 15 43/64 × 24 13/32	34 21/64 × 15 43/64 × 24 26/64	34 21/64 × 15 43/64 × 24 13/32	34 21/64 × 15 43/64 × 24 13/32	40 40/64 × 17 61/64 × 29 1/64	40 40/64 × 17 61/64 × 29 1/64
Outdoor Unit Net Weight	lb	71.7	69.5	70.6	67.3	94.8	92.6
Outdoor Unit Gross Weight	lb	77.2	75	76.1	72.8	104.7	102.5
Dehumidifying Volume	Pint/h	1.69	2.96	1.69	2.96	3.8	4.23
Compressor Type	—	Rotary	Rotary	Rotary	Rotary	Rotary	Rotary
Air Flow Volume	CFM	1295	1295	1295	1295	2119	1883
Refrigerant	—	R32	R32	R32	R32	R32	R32
Refrigerant Charge	oz	30	28.2	30	28.2	40.6	42.3
Connection Pipe Length	ft	82	82	82	82	82	82
Outer Diameter of Liquid Pipe(Client Allocation)(British System)	inch	1/4"	1/4"	1/4"	1/4"	1/4"	1/4"
Outer Diameter of Gas Pipe(Client Allocation)(British System)	inch	3/8"	1/2"	3/8"	1/2"	1/2"	5/8"
Max. Over Current Protection	A	20	20	15	15	20	30
Suggested breaker size	A	20	20	15	15	20	30
Main Power Wire Size	AWG	Per Local Code	Per Local Code	Per Local Code	Per Local Code	Per Local Code	Per Local Code
Interconnecting Wire Size	AWG	14/4	14/4	14/4	14/4	14/4	14/4



WALL-MOUNTED TYPE

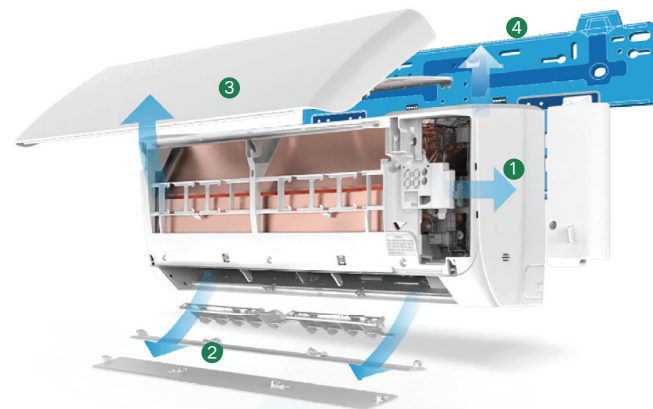
Pular

Hyper Heat

Features: ☐ Standard ☐ Optional



Simple Installation and Maintenance Offer You Worry-Free Use



- 1 Quick mainboard disassembly design enables easy disassembly and maintenance by opening the panel only;
- 2 Air outlet is easy to remove for washing;
- 3 Integrated overhead filter can be disassembled directly for cleaning, no need to disassemble the unit;
- 4 English installation scale available*; clasp is enlarged to increase the pipe connection space for the convenience of installation

All Match

Pular's outdoor unit can match with other indoor units. All Match makes your life more convenient.

	Pular Indoor unit	Duct	Cassette	Floor ceiling
Pular Outdoor unit	✓	✓	✓	✓

Note: This function is optional

Pular	Indoor unit	AP09HP115VBI	AP12HP115VBI	AP09HP230VBI	AP12HP230VBI	AP18HP230VBI	AP24HP230VBI
	Outdoor unit	AP09HP115VBO	AP12HP115VBO	AP09HP230VBO	AP12HP230VBO	AP18HP230VBO	AP24HP230VBO
Cooling Capacity	Btu/h	9100	12000	9100	12000	18000	22000
Heating Capacity	Btu/h	10000	12000	10500	12000	18000	24000
EER	(Btu/h)/W	15	13	15	13	13.65	13.65
COP	(Btu/h)/W	13.6	13	13.3	13	13.35	13.65
SEER	—	27.0(SEER2)	24.5	26(SEER2)	24.5	24.5(SEER2)	26
HSPF	—	10.5(HSPF2)	9.5	10.4(HSPF2)	9.5	9.0(HSPF2)	10
Rated Voltage	V~	115	115	208/230	208/230	208/230	208/230
Min/Max. Voltage	V	103.5/126.5	103/126	187/253	187/253	187/253	187/253
Rated Cooling Current	A	12.28	15.38	4.73	6.64	11.5	13
Rated Heating Current	A	16.59	15.41	6	6.41	11.5	15.5
Min. Current (MCA)	A	19	19	10	10	16	22
Indoor Unit Sound Pressure Level (SL) Cooling mode	dB (A)	41	43	41	43	48	52
Indoor Unit Sound Pressure Level (SS) Cooling mode	dB (A)	24	25	24	25	29	34
Indoor Unit Sound Pressure Level (SS) Heating mode	dB (A)	40	44	40	44	51	52
Indoor Unit Sound Pressure Level (SL) Heating mode	dB (A)	23	26	24	28	27	34
Outdoor Unit Sound Pressure Level (H)	dB (A)	52	52	52	52	59	58
Indoor Unit Dimension (W*H*D)	Inch	32 31/64 × 11 17/32 × 7 23/32	32 31/64 × 11 34/64 × 7 46/64	32 31/64 × 11 17/32 × 7 23/32	32 31/64 × 11 34/64 × 7 46/64	38 42/64 × 12 16/64 × 8 45/64	42 21/64 × 13 7/64 × 9 44/64
Indoor Unit Dimension of Package(L*W*H)	Inch	34 29/64 × 14 3/8 × 10 35/64	34 29/64 × 14 24/64 × 10 35/64	34 29/64 × 14 3/8 × 10 35/64	34 29/64 × 14 24/64 × 10 35/64	41 7/64 × 15 10/64 × 11 44/64	44 39/64 × 16 19/64 × 13 7/64
Indoor Unit Net Weight	lb	20.9	20.9	20.9	20.9	28.7	35.3
Indoor Unit Gross Weight	lb	25.4	25.4	25.4	25.4	34.2	41.9
Cooling Operation Ambient Temperature Range	°F	-20 ~ 122	-20 ~ 122	-20 ~ 122	-20 ~ 122	-20 ~ 122	-20 ~ 122
Heating Operation Ambient Temperature Range	°F	-22 ~ 86	-22 ~ 86	-22 ~ 86	-22 ~ 86	-22 ~ 86	-22 ~ 86
Outdoor Unit Dimension (W*H*D)	Inch	31 37/64 × 21 27/32 × 13 25/32	31 37/64 × 21 54/64 × 13 50/64	31 37/64 × 21 27/32 × 13 25/32	31 37/64 × 21 54/64 × 13 25/32	37 46/64 × 25 63/64 × 15 53/64	37 46/64 × 25 63/64 × 15 53/64
Outdoor Unit Dimension of Package(L*W*H)	Inch	34 21/64 × 15 43/64 × 24 13/32	34 21/64 × 15 43/64 × 24 26/64	34 21/64 × 15 43/64 × 24 13/32	34 21/64 × 15 43/64 × 24 13/32	40 40/64 × 17 61/64 × 29 1/64	40 40/64 × 17 61/64 × 29 1/64
Outdoor Unit Net Weight	lb	71.7	69.5	70.6	67.3	94.8	92.6
Outdoor Unit Gross Weight	lb	77.2	75	76.1	72.8	104.7	102.5
Dehumidifying Volume	Pint/h	1.69	2.96	1.69	2.96	3.8	4.23
Compressor Type	-	Rotary	Rotary	Rotary	Rotary	Rotary	Rotary
Air Flow Volume	CFM	1295	1295	1295	1295	2119	1883
Refrigerant	—	R32	R32	R32	R32	R32	R32
Refrigerant Charge	oz	30	28.2	30	28.2	40.6	42.3
Connection Pipe Length	ft	82	82	82	82	82	82
Outer Diameter of Liquid Pipe(Client Allocation)(British System)	Inch	1/4"	1/4"	1/4"	1/4"	1/4"	1/4"
Outer Diameter of Gas Pipe(Client Allocation)(British System)	Inch	3/8"	1/2"	3/8"	1/2"	1/2"	5/8"
Max. Over Current Protection	A	20	20	15	15	20	30
Suggested breaker size	A	20	20	15	15	20	30
Main Power Wire Size	AWG	Per Local Code	Per Local Code	Per Local Code	Per Local Code	Per Local Code	Per Local Code
Interconnecting Wire Size	AWG	14/4	14/4	14/4	14/4	14/4	14/4



WALL-MOUNTED TYPE

Cosmo

Features: ☐ Standard ☐ Optional

 LED Display	 Multiple Fan Speeds	 7 Fan Speeds	 Quiet Design	 24-hour Timer	 Clock Timer	 Child Lock	 Dry Mode	 Turbo
 Wifi	 Three Sleep Modes	 Auto	 I-Feel	 Intelligent Auto-Restart	 X-Fan	 IDU Self-cleaning	 Auto Restart	 Wide Voltage Range
 Low Voltage Startup	 Self-diagnosis	 Anti-Corrosion Protection of Outdoor Unit	 Soft Start	 Anti-cold	 Multi-Functional Filters	 Anti-corrosion Fin	 Fast Cool	

Cosmo	Indoor unit	AP09HP115VAI	AP12HP115VAI	AP09HP230VASI	AP12HP230VASI	AP18HP230VASI	AP24HP230VASI	AP30HP230VASI	AP36HP230VASI
	Outdoor unit	AP09HP115VAO	AP12HP115VAO	AP09HP230VAO	AP12HP230VAO	AP18HP230VAO	AP24HP230VAO	AP30HP230VAO	AP36HP230VAO
Cooling Capacity	Btu/h	9100	12000	9100	12000	18000	24000	30000	33600
Heating Capacity	Btu/h	10000	12000	10000	12000	19100	24000	30000	34000
EER	(Btu/h)/W	11.9	9.75	12.5	9.75	12.35	11.9	10.91	10.6
COP	(Btu/h)/W	12.4	11.95	13	11.95	13.31	12.3	10.91	10.4
SEER	--	20.5(SEER2)	19	20.5(SEER2)	19	20	19<SEER>	22(SEER2)	21
HSPF	--	8.8(HSPF2)	8.5	8.8(HSPF2)	8.5	8.5	8.5<HSPF>	9(HSPF2)	8.5
Cooling Operation Ambient Temperature Range	°F	0~118	0~118	0~118	0~118	0~118	0~118	-4~122	-4~122
Heating Operation Ambient Temperature Range	°F	-13~75	-13~75	-13~75	-13~75	-13~75	-13~75	-13~75	-13~75
Rated Voltage	V~	115	115	208/230	208/230	208/230	208/230	208/230	208/230
Outdoor Unit Sound Pressure Level (H)	dB (A)	51	52	51	52	57	58	62	62
Outdoor Unit Dimension (W*H*D)	inch	28.8125 × 21.54/64 × 12.63/64	28.13/16 × 21.27/32 × 12.63/64	28.13/16 × 21.27/32 × 12.63/64	28.13/16 × 21.27/32 × 12.63/64	31.37/64 × 21.27/32 × 13.25/32	37.23/32 × 25.63/64 × 15.53/64	39.24/64 × 29.24/64 × 16.13/16	39.24/64 × 29.24/64 × 16.52/64
Outdoor Unit Dimension of Package(L*W*H)	inch	31.17/64 × 14.51/64 × 24.14/64	31.17/64 × 14.51/64 × 24.7/32	31.17/64 × 14.51/64 × 24.7/32	31.17/64 × 14.51/64 × 24.7/32	34.21/64 × 15.43/64 × 24.13/32	40.5/8 × 17.61/64 × 29.1/64	42.33/64 × 19.1/64 × 31.57/64	42.33/64 × 19.1/64 × 31.57/64
Outdoor Unit Net Weight	lb	55.1	58.4	52.9	56.2	70.6	93.7	116.8	122.4
Outdoor Unit Gross Weight	lb	60.6	63.9	58.4	61.7	76.1	103.6	127.9	133.4
Connection Pipe Length	ft	82	82	82	82	82	82	82	82
Min. Current (MCA)	A	19	19	10	12	13	15	27	23
Rated Cooling Current	A	12.5	14.34	6.5	7.02	9.5	11	20	20
Rated Heating Current	A	15.4	14.64	7	7.47	9.5	12	20	20
Indoor Unit Sound Pressure Level (SS) Cooling mode	dB (A)	43	47	41	47	53	51	52	52
Indoor Unit Sound Pressure Level (SS) Heating mode	dB (A)	40	44	41	44	49	51	53	53
Indoor Unit Sound Pressure Level (SL) Heating mode	dB (A)	25	30	26	30	30	36	35	36
Indoor Unit Dimension (W*H*D)	inch	32.56/64 × 10.53/64 × 7.56/64	32.7/8 × 10.53/64 × 7.7/8	32.7/8 × 10.53/64 × 7.7/8	32.7/8 × 10.53/64 × 7.7/8	37.1/8 × 13.7/64 × 9.11/16	42.7/16 × 13.7/64 × 9.11/16	42.7/16 × 13.7/64 × 9.11/16	43.60/64 × 13.7/64 × 9.49/64
Indoor Unit Dimension of Package(L*W*H)	inch	35.15/64 × 13.37/64 × 10.43/64	35.15/64 × 13.37/64 × 10.43/64	35.15/64 × 13.37/64 × 10.43/64	35.15/64 × 13.37/64 × 10.43/64	39.13/32 × 15.15/16 × 12.43/64	44.39/64 × 16.19/64 × 13.7/64	44.39/64 × 16.19/64 × 13.7/64	46.29/64 × 16.11/32 × 13.5/16
Rated Dehumidification Capacity	L/h	0.8	1.4	0.8	1.4	1.8	2.5	3.5	3.5
Air Flow Volume	CFM	1148	1148	1148	1148	1483	1863	2648	2648
Compressor Type	-	Rotary	Rotary	Rotary	Rotary	Rotary	Rotary	Twin Rotary	Rotary
Refrigerant	--	R32	R32	R32	R32	R32	R32	R32	R32
Refrigerant Charge	oz	18.7	17.6	18.7	17.6	32.5	42.3	56.4	56.4
Indoor Unit Net Weight	lb	19.8	19.8	19.8	19.8	28.7	33.1	34.2	35.3
Indoor Unit Gross Weight	lb	24.3	24.3	24.3	24.3	34.2	39.7	40.8	41.9
Max. Over Current Protection	A	20	20	15	15	15	20	30	35
Suggested breaker size	A	20	20	15	15	15	20	30	35
Main Power Wire Size	AWG	Per Local Code	Per Local Code	Per Local Code	Per Local Code	Per Local Code	Per Local Code	Per Local Code	Per Local Code
Interconnecting Wire Size	AWG	14/4	14/4	14/4	14/4	14/4	14/4	14/4	14/4

Icon Interpretation

Some Parts



Anti-corrosion fin

The anti-corrosion performance of golden fins is 3 times better than ordinary fins.



Quality motor

Quality motor enables stable operation and low noise.



Inner groove copper

Special thickened inner groove copper tube enhances heat exchanging performance.



Auxiliary electric heater

Auxiliary heater greatly improves heating capacity and saves energy.



Built-in drain pump

The drain pump can pump the condensation to a high level. It facilitates condensation draining from the indoor unit and makes the installation of indoor unit easier.



Slave and master wired controller

One indoor unit can be connected with two wired controllers to realize controlling of the same indoor unit from different control points.



Washable filter

Filters are easy to dismantle and install. You can use dirt collector or water to clear away the dust.



Long connection pipe design

The total length of connection pipe reaches 1000m, which greatly improves the project flexibility of the unit.

Comfortable & Healthy



Horizontal auto swing

The air guide louver can move horizontally for efficient air and temperature distribution in the room.



Vertical auto swing

The air guide louver can move vertically for efficient air and temperature distribution in the room.



Anti-cold

The indoor unit will not blow in winter if the air is not warm enough.



Turbo

The unit cools and heats the room rapidly to make you feel more comfortable (cool or warm).



ventilation

The unit can supply some fresh air to satisfy your requirements.



Comfortable sleeping mode

After setting the "sleeping mode", set temperature and indoor noise can be adjusted for more comfortable.



Quiet function

The unit operates with the lowest noise under the ultra-low fan speed.

High Efficiency & Energy Saving



High efficiency

The air conditioner is designed to high energy efficiency and to realize power saving.



Energy saving function

When this function is activated, the temperature setting is only in limited range, so as to save energy.



Intelligent defrosting

Defrosting is performed intelligently when necessary to improve the heating efficiency and save energy.



All DC inverter technology

All motors adopts the DC inverter technology to greatly improve the energy efficiency.

Convenience



Auto Restart

The unit is able to remember the operation status before power failure and it can automatically return to that operation status once the power is recovered.



Compact design

The unit is designed with smaller dimension, which is easy to install and transport for saving cost.



Easier maintainability

The unit is designed to be easier for maintenance and component replacement.



Auto addressing technology

The new generation of indoor unit applies auto addressing technology, which greatly reduces project debugging time and error rate.