RAMSOND

GW SERIES

410A **SEER19**

■ Comfort & Healthy

■ Intelligent

GW SERIES

Excellent Design
Aesthetic engineers integrate arc curves into panel design to create silky and fresh appearance.

Pearl White Body
Pearl-white body is integrated with home decoration. Thin and elegant appearance show the taste of life.

Elegant Display Panel
VLED display panel,air quality and temp. are easy to check,with soft light and elegant display panel, not dazzling.

■ 3D Airflow
By the vertical and horizontal louver drived by the stepping moters,it achieves a wider air supply angle and longer distance.

■ Self-Cleaning
Evaporator is frosted to freeze the dirt on the fin then starts defrosting to generate a large amount of water to brush away the dirt.After 55 ℃ quick-drying, the evaporator becomes cleaner & more sterile.

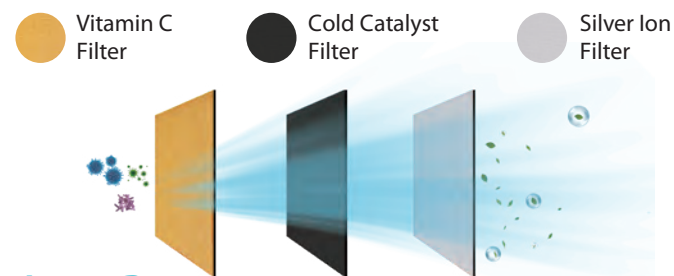Frosting   Defrosting   55℃ Drying   Clean Complete
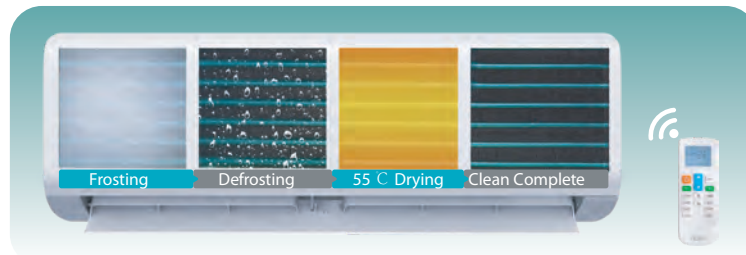
■ Ionizer & Plasma
Built in generator of ionizer & plasma helps to sterilization, smoke elimination, dust removal, eliminate odor, greatly improve the air quality.

■ Multi-Function Filter
Multifunctional 4-in-1 filter: purify the air, healthy and comfort.

Vitamin C Filter   Cold Catalyst Filter   Silver Ion Filter

■ Auto Restart
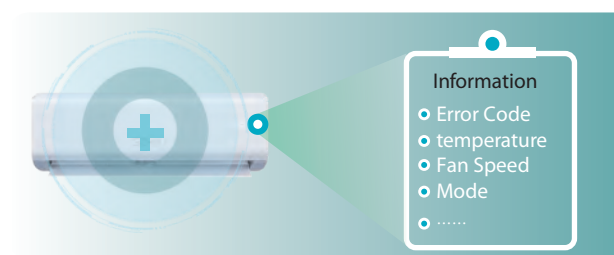When power is restored, the unit will automatically run according to the settings before the power failure.

■ Self-Diagnosis
When failure happens, the error code will be displayed, and the operation parameters can be queried on the panel through the remote controller.

Information
- Error Code
- temperature
- Fan Speed
- Mode
- ......

■ WiFi Control
Remotely control the air conditioner by the build-in wifi module, and can achieve weekly timing,you can control the AC through the phone easily while you are away home..

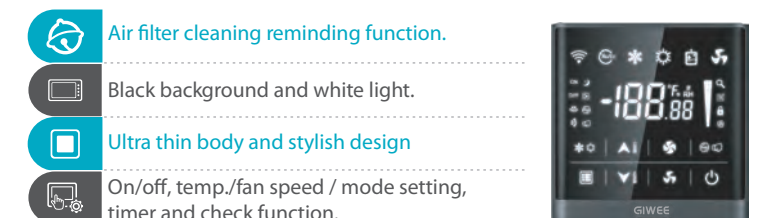Mono Split   Wifi Module   Wifi Control
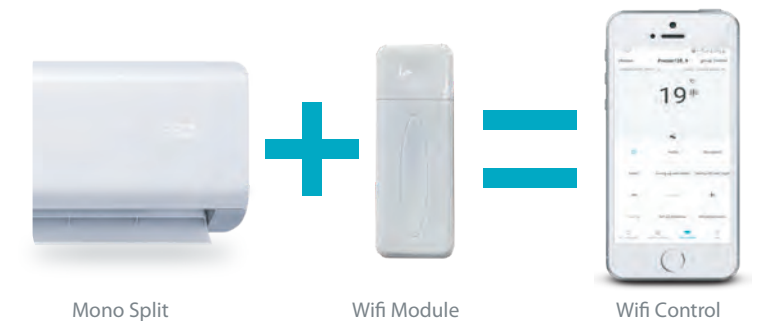
■ Remote ON/OFF
Room card function: it can meet one-key control requirement of air conditioner switch.

■ Wired Control
Wired control optional,air filter clean reminder available.

Air filter cleaning reminding function.

Black background and white light.

Ultra thin body and stylish design

On/off, temp./fan speed / mode setting, timer and check function.

■ Inverter

■ Power Saving

- Compressor starting frequency is small, low circuit loss, and more power saving
- Automatic frequency switching to reduce frequent start and stop of the system
- In the same time, the energy saving can be up to 36% compared with 14SEER unit

Energy Consumption
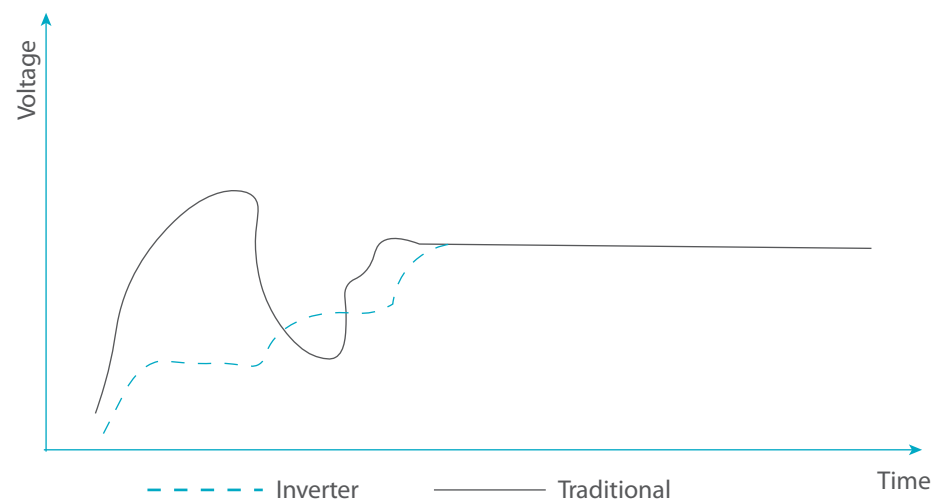
36%

14   19   SEER
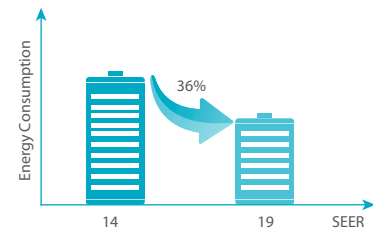
■ High Operational Reliability

Reasonable frequency conversion, which can make the 4-way valve action pressure difference in a reasonable range, not more than the maximum action pressure difference.

■ Low Starting Current

- Reducing the impact on the power grid, safer and more reliable.
- Reducing the impact of pulse interference on other household appliances in use in the room.

Voltage

- - - - Inverter   ——— Traditional   **Time**

■ Controller

I FEEL function

Build in soft backlight

Temperature setting

Operation mode setting

Fan speed setting

Timer function

■ Function Icon

Err or Alarm Output
When failure happens,the system will sent a message to designated terminal receiving equipment.
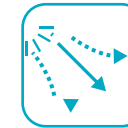
Louver position memory
The indoor unit will remember the louver position at the time it was turned off. I   t will set t he louver to the same p   osit ion again when it is reinitialised.

Dual drainage
Two drainage holes are reserved,you can install drainage pipe left or right according to different project requirements.

Low voltage operation
172V low voltage operation   .

Emergency button
If a temperat   ur e sensor error occu   rs the unit will alarm   and operate in   emergency function mode until replaced.

Remote ON /OFF
Specialised built in reserve   d room cards ports , which allow   s a remo te ON/OFF switch to be   easily connected.

AUTO — Auto mode
The air conditioner will auto run different modes according to the difference between the room temperature and the set temperature.

Fireproof E-box
The E-box is made of high fireproof level material,fulling meet the safty regulations for the safe operation.
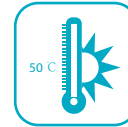
Cooling at 50 ℃
Using refrigerant pipeline cooling technology to cool down the electronic control to achieve stable cooling in a 50 ℃ high temperature environment.

Cooing at 0 ℃
With built-in low amb   ient kit and a specially designed PCB, the outdoor fan   speed is autom atically changed   accordi ng to the condensing tem   pe rature , cooling at 0 ℃ available.

24h — 24H timer
The system can be preset t o a utoma tically start a nd st op within 24Hour period.

Self diagnosis
If the failure happens, the error code will be displayed on the panel,you can also check the status by remote controller.

Sleep mode
Lowest wind, for cooling, temperature increases by 1 degree per hour for 2 hours (≤30 ℃). for heating, decreases by 1 degree per hour for 2 hours (≥17   ℃). the cold wind protection function is available and it will exit sleep mode after 7 hours.

ECO — ECO mode
By pressing this button   the system   will run into an power saving mode to save money.

Auto restart
If the system is stopped   because of power failure, it will auto restart in the pr   evious setti ngs and mode when   the po w er is back.

Smart air supply
In the cooling mode, the angle of the louver is fixed upward, and in the heating mode, the angle of the louver is fixed downward.

Vertical swing
The outer louver swings vertically to adjust the air supply angle in the vertical direction .

Anti-cold wind
This limits the fan from bl   owing colde r air when in heating   mode thus pre   venting cold draf ts.
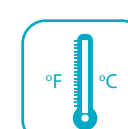
Button lock
Button lock function prevents children from accidentally pressing the remote controller.

Self-cleaning
When self clean function is activated, the indoor coil dries itself using a 3-sta   ge cycle tha t minimises the   accumulated dust and mould .

Heating at -15 ℃
Using inverter technology to achieve stable heating at -15 degrees low temperature.

℉ ℃ — Celsius & Fahrenheit switch
Convert Fahrenheit and Celsius temperature display to each other via wireless controller.

1W — 1W standby
Turn off the power of ODU after 2 minutes in the shutdown state, and disconnect the power of ODU at air supply mode for 2 minutes for power saving.

Do not disturb
One button to turns off the indoor unit beep and LED display, the wind speed is adjusted to low, and the LED light panel is only displayed for 10 seconds each time in the do not disturb mode.

Heating at 8 ℃
When the room temperature is lower than 8 ℃, the air conditioner automatically starts to maintain the room temperature above 8 ℃.

Turbo Mode
Large wind,Reach the set temperature quickly.fast cooling&heating.

Wired controller
Controller board of indoor unit reserves the wired controller port, the air conditioner can be controlled by wired controller.

EC — Refrigerant leakage detection
Only for cooling mode, and it can be judged by detecting the continuous decrease of T2 temperature within a certain period of time.

Horizontal swing
The inner louver swings horizontally to adjust the air supply angle in the horizontal direction

WIFI control
Remote WIFI control the air conditioner even when you are far away from it.
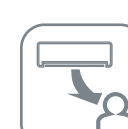
I FEEL function
The room temperature probe can be set on the remote controller through the I FEEL function, so it detects the room temperature of the remote controller locates.
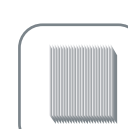
Golden Fin
Golden fin of indoor and outdoor units are customizable for better appearance and Anti-corrosion performance.

Ionizer
Build in ionizer generator produces ionizer, sterilize and remove dust, purify the air and benefit your health.

Plamsa
Build in plasma generator produces plamsa, sterilize and remove dust, purify the air and benefit your health.

Special filter
The Vitamin C/Bio/Activated carbom/cold catalyst 3-in-1 special filter improves the air quality .

Filter cleaning reminder
The optional wired equiped with filter cleaning reminder function, it will counts the total running time, and reminds to clean the filter when a certain time is reached.

Silence mode
The AC fan is adjusted to the lowest wind to reduce the indoor noise to 20dB(A) .Compressor frequency is fixed at low frequency.

Basepan heater
The chassis is heated to prevent the running fan blade damaged by the accumulated snow in winter.

R410A Heat Pump

Model			9K	12K	9K	12K	18K	24K
Indoor power supply		V/N/Hz	115/1/60	115/1/60	208-230/1/60	208-230/1/60	208-230/1/60	208-230/1/60
Cooling	Capacity	Tons	0.8	1.0	0.8	1.0	1.5	2.0
		Btu/h	9000	11800	9000	11800	18000	23000
	EER	W / W	11.00	10.60	11.20	10.60	11.50	10.00
	SEER	W / W	19.0	19.0	19.0	19.0	18.0	17.5
Heating	Capacity @ 47 ℉	Btu/h	9000	12000	9000	12000	18000	24000
	Capacity @ 17 ℉	Btu/h	7000	9000	7000	9000	11500	17800
	Capacity MIN - MAX	Btu/h	3000-11500	3800-13500	3000-11500	3800-13500	6200-19000	8500-24500
	COP @ 47 ℉	W/W	3.30	3.20	3.30	3.20	3.30	3.15
	HSPF		10.0	9.50	10.0	9.50	10.5	9.50
Outdoor air flow		CFM	1088	1176	1088	1176	1653	1853
Indoor air flow		CFM	300	380	300	380	530	680
Outdoor noise power level		dB(A)	51	53	51	53	55	57
Outdoor noise pressure level		dB(A)	40	42	40	42	44	45
Outdoor noise power level		dB(A)	39	42	39	42	45	48
Outdoor unit	Dimension(WxHxD)	mm	735x475x250	735x475x250	735x475x250	735x475x250	790x520x280	848*670×345
		inch	28.94x18.7x9.84	28.94x18.7x9.84	28.94x18.7x9.84	28.94x18.7x9.84	31.10×20.47×11.02	33.39×26.38×13.58
	Packing(WxHxD)	mm	850x550x350	850x550x350	850x550x350	850x550x350	920×600×380	975×770×435
		inch	33.46x21.65x13.78	33.46x21.65x13.78	33.46x21.65x13.78	33.46x21.65x13.78	36.22×23.62×14.96	38.39×30.31×17.13
	Net/Gross weight	kg	25/28	25/28	25/28	25/28	33/37	41/45
		lbs	55.1/61.7	55.1/61.7	55.1/61.7	55.1/61.7	72.8/81.6	90.4/99.2
Indoor unit	Dimension(WxHxD)	mm	715x295x198	864x300x200	715x295x198	864x300x200	972×320×215	1080×226×335
		inch	28.15x11.61x7.8	34.02x11.81x7.87	28.15x11.61x7.8	34.02x11.81x7.87	38.27×12.6×8.46	42.52×8.9×13.19
	Packing(WxHxD)	mm	800x380x290	950x380x290	800x380x290	950x380x290	1070×410×310	1155×415×315
		inch	31.5×14.96×11.42	37.4×14.96×11.42	31.5×14.96×11.42	37.4×14.96×11.42	42.13×16.14×12.2	45.47×16.34×12.4
	Net/Gross weight	kg	8.5/11.0	9.5/12.5	8.5/11.0	9.5/12.5	11.5/14.5	14.5/18.1
		lbs	18.7/24.3	20.9/27.6	18.7/24.3	20.9/27.6	25.4/32	32.0/40.0
Refrigerant Piping	Liquid/Gas side	mm	Φ6.35/ Φ9.52	Φ6.35/ Φ9.52	Φ6.35/ Φ9.52	Φ6.35/ Φ9.52	Φ6.35/Φ12.7	Φ9.52/Φ15.88
		inch	1/4-3/8	1/4-3/8	1/4-3/8	1/4-3/8	1/4-1/2	3/8-5/8
	Max.pipe length	ft(m)	82 (25)	82 (25)	82 (25)	82 (25)	98.5 (30)	98.5 (30)
	Max.high drop	ft(m)	33 (10)	33 (10)	33 (10)	33 (10)	66 (20)	66 (20)
Ambient temp.	Cooling	℉	32-122	32-122	32-122	32-122	32-122	32-122
	Heating	℉	5-86	5-86	5-86	5-86	5-86	5-86

GW SERIES

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