



PENYAMAN UDARA - AIR CONDITIONERS - 冷气机



R32

INVERTER  
R32

## PRODUCT CATALOGUE

[WWW.GREEMALAYSIA.COM.MY](http://WWW.GREEMALAYSIA.COM.MY)

# Wall-mounted type

AIR CONDITIONERS



- ▶ R32 Eco-Friendly Refrigerant  
No damage to ozone layer;  
Higher heating exchange efficiency

# QUEEN Series

R 32 Wall Mounted Split Unit

WALL MOUNTED

2  
YEARS

WARRANTY FOR  
SPARE PARTS

6  
YEARS

WARRANTY FOR  
COMPRESSOR



NON-INVERTER

VS INVERTER



# Features



Auto Clean



Automatic Operation



LED Display



Intelligent Defrosting



Compact Design



24:00



Comfortable Sleep Curves



Cold Air Prevention



Timer



'Turbo' Button



Auto Restart



Lock



Healthy Filters



Cold Plasma



I Feel



Self-diagnosis



NON-INVERTER



## Elegant Appearance

The curved design with the addition of rich side layers makes the unit light and thin.

The contours of this unit are embodied, creating a graceful appearance for the unit with the clear and smooth lines.



INVERTER

# Health

## Auto Clean (X-FAN)

Cross flow fan continues blowing to dry inside of indoor unit after switching off the unit so as to keep clean and healthy.

Adopts a new generation of hydrophilic aluminium foil, under cooling or dehumidifying mode, dust in evaporator will be removed by the fast-moving condensate water.

The blade keeps operating for air drying after power off, thus achieves automatic clean and dry.



① Water still exists in air conditioner after power off

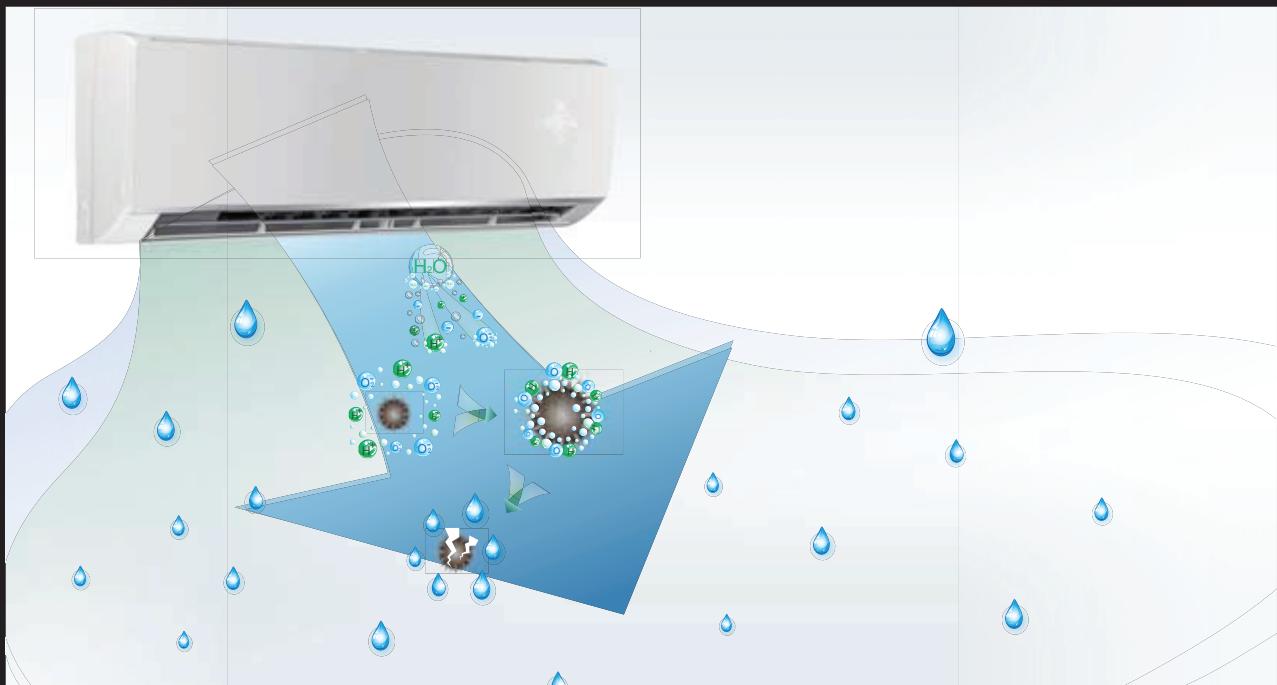
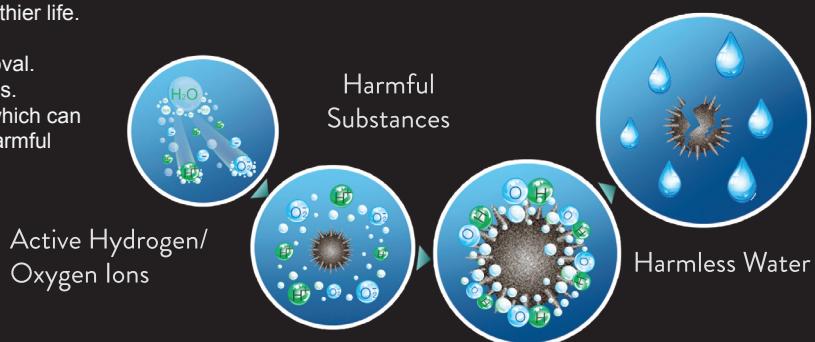
② Cross flow fan keeps operating

③ Keep clean and dry inside the unit

## Cold Plasma

Improve indoor air quality and give you a healthier life.

Effective sterilization and bacteria / odor removal.  
Provide the air with more negative oxygen ions.  
Active hydrogen oxygen ions are generated which can eliminate bacteria, viruses, dusts and other harmful agents in the air.



## Intelligent Auto Restart

Upon power is resumed after power failure, the unit in the whole building will not be restarted at the same time to avoid impact of electricity net.

( Suitable for engineering project )



## 3D Airflow, Constant Temperature and Comfort

Wide-angle air supply with large louver, and air direction can be set left or right and up or down.

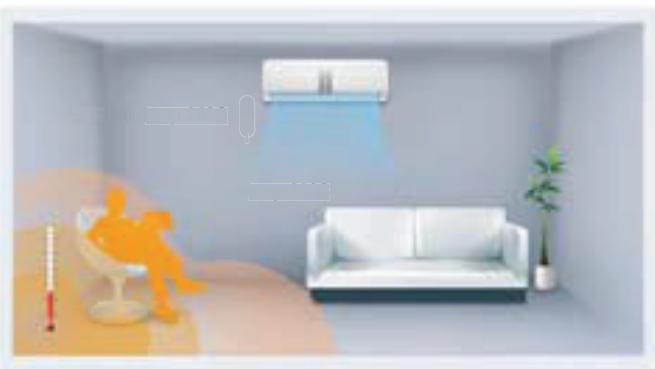


## I Feel

The mini sensor in the remote controller can sense its surrounding temperature and transmit the signal back to the indoor unit so the unit can adjust the airflow volume and temperature accordingly to provide maximum comfort.



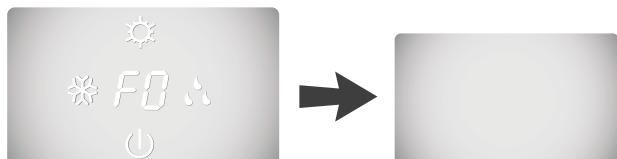
Remote with I Feel



Remote without I Feel

## Concealed Display

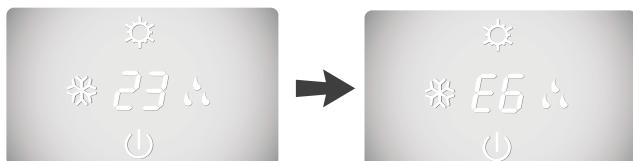
Hidden temperature display on a classy high gloss surface.



Press the LIGHT button on the remote controller to hide the display light on the indoor unit.

## Self-Diagnosis

Instantly displays error code to quickly locate the cause of malfunctions.



## Refrigerant Leakage Protection

When refrigerant is insufficient and the valve is blocked, indoor unit of air conditioner will display **F0** malfunction and stop operation. This function effectively protects the whole unit and safeguard the compressor against any damages occurred due to high temperature result in fluorine leakage.



## Turbo Cooling

Press "Turbo" button on remote controller to enjoy a larger airflow, which enables the indoor temperature to reach the set temperature in a shorter time.



# WIFI Control



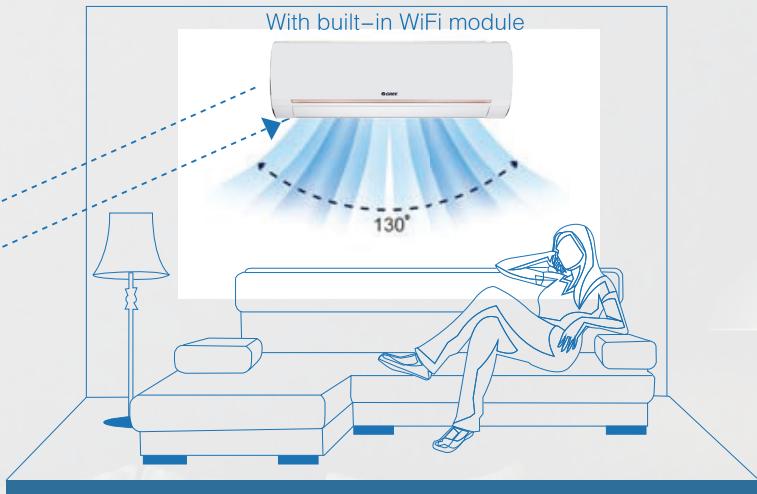
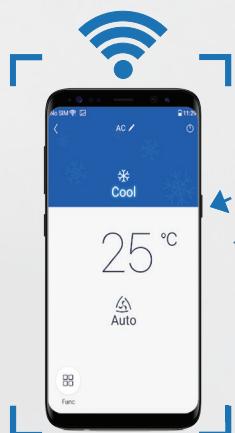
Scan and download Gree+ APP  
This function applicable for Inverter ac only



## GREE+ App

Gree + brings you a brand new experience for intelligent control.

\*Available for Inverter Series Only



## Gree+ APP comfort in your hands

Do you want to immediately feel cool in hot days when you come home from work and warm in cold days?

Forget to turn off the air conditioner while in a rush to leave for work in the morning?

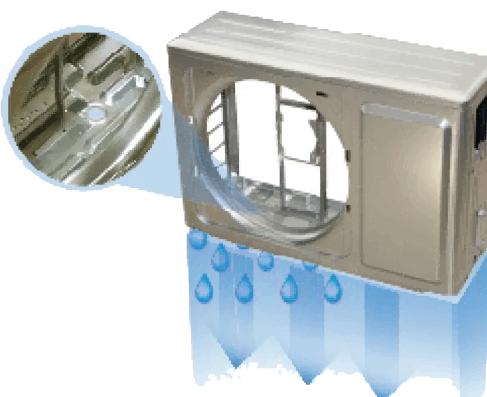
All is just a piece of cake.

Open **Gree+ APP**, and control your air conditioner with your smart phone.

## Reliability ( Outdoor Unit )

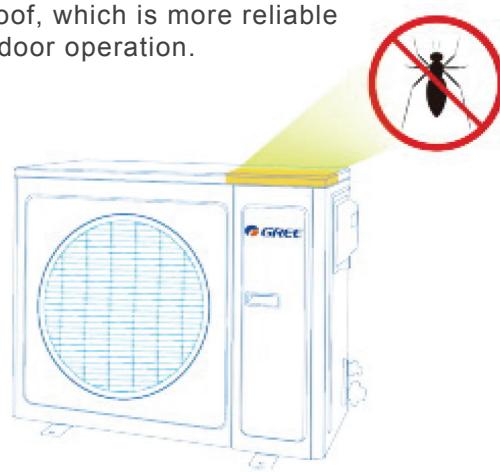
### High-efficiency Drainage Design of Outdoor Unit Chassis

The high efficiency drainage design of outdoor unit chassis can drain water effectively under extreme conditions to prevent serious icing.



### Mothproof and Dustproof Electric Box of Outdoor Unit

Electric box of outdoor unit is mothproof and dustproof, which is more reliable for outdoor operation.



# Reliability ( Outdoor Unit )



## Anticorrosive Appearance

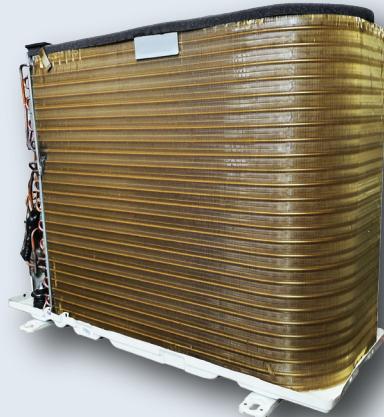
Gree anticorrosive air conditioner possesses anticorrosive property in both performance and appearance, which is a special air conditioner that applies a series of manufacturing technics with strong pertinence. Such air conditioner can be widely used in insularity, littoral regions and some industrial areas with strong corrosiveness.

## Golden Fin - High Anti-Corrosive ( Outdoor Unit )

The salt spray proofing and anti-corrosion ability of gold fin is greatly enhanced and is almost twice stronger than other anti-corrosion products, reaching the world leading level.

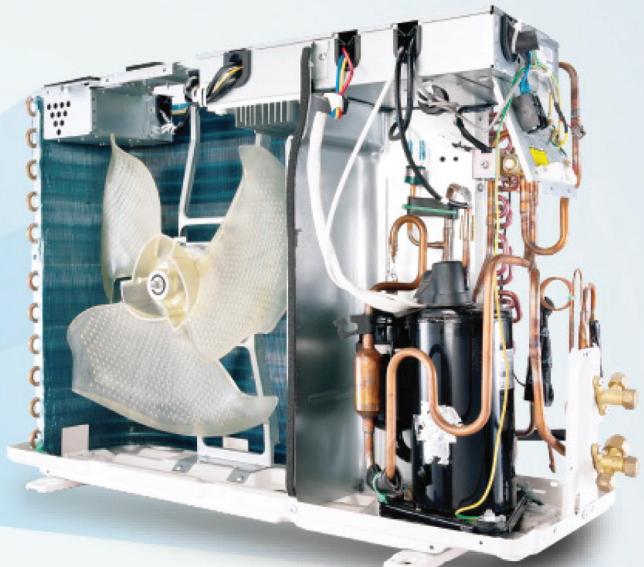


Its anti-corrosion effect is better than normal fin, which enables long service for the unit.



## High-Strength Body

With high-strength body, thickened Al-Zn alloy coated steel sheet and reinforced stamping, it has improved the load of structure greatly to prolong the durability.



## Improved Base Pan Design

Condensing water will flow easily and not be frozen on the base pan. It also improves heating efficiency during low temp operation.



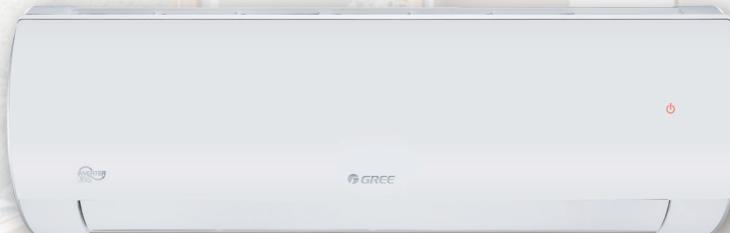
# Specifications



## Control System



Cutting-edge chip for precise Inverter control



## High Temp Resistance PCB

In the Inverter outdoor unit, the PCB could work well even when temp is up to 85C, and also metal casing is fire-proof.



Model	Indoor		<b>GWC09ACC-K6DNA5D</b>	<b>GWC12ACC-K6DNA5A</b>	<b>GWC18ACD-K6DNA5D</b>	<b>GWC24ACE-K6DNA5E</b>
	Outdoor		<b>GWC09ACC-K6DNA5D</b>	<b>GWC12QC-K6DNA1A</b>	<b>GWC18ACD-K6DNA5D</b>	<b>GWC24ACE-K6DNA1E</b>
Refrigerant Type	R32					
Function	Cooling					
Capacity	Cooling	Btu/h	9,212 ( 1,706 - 11,942 )	12,000 ( 1,365 - 13,648 )	18,000 ( 4,299 - 18,425 )	24,000 ( 6,824 - 25,931 )
		kW	2.700	3.500	5.275	7.034
Efficiency	EER	(Btu/h)/w	11.96	11.76	10.44	11.27
		W / W	3.51	3.43	3.06	3.30
	CSPF	Wh / Wh	5.25	5.30	4.85	5.18
Air Circulation	Indoor / Hi	m3 / h	600/570/470/390	730/590/490/420	850/720/610/520	1300/1100/900/750
		cfm	353/335/277/230	430/347/288/247	500/424/359/306	765/647/530/441
Noise Level	Indoor (SH/H/M/L)	dB (A)	39/36/32/26	43/39/35/29	47/44/40/35	49/45/41/37
	Outdoor	dB (A)	49	48	54	54
Electrical Data (Indoor)	Phase / Voltage	Φ / V / Hz	1Ph / 220-240V / 50			
	Cooling Current	A- (Rated)	3.80 ( 5.40 )	4.78 ( 6.50 )	7.8 ( 10.00 )	9.88 ( 12.70 )
	Power Input	W - (Rated)	770 (1200)	1020 (1400)	1720 (2100)	2130 (2750)
Moisture Removal	Indoor	L/h	0.8	1.4	1.8	2.0
Outline Dimension	W x H x D (mm)	Indoor	889 x 294 x 212	889 x 294 x 212	1013 x 307 x 221	1122 x 329 x 247
		Outdoor	782 x 540 x 320	782 x 540 x 320	848 x 596 x 320	912 x 646 x 373
Package Dimension	W x H x L (mm)	Indoor	940 x 365 x 284	940 x 365 x 284	1060 x 374 x 297	1193 x 410 x 350
		Outdoor	823 x 595 x 358	823 x 595 x 358	881 x 645 x 363	963 x 700 x 411
Net Weight	Kg	In / Out	11.0 / 26.5	11.0 / 30.0	13.5 / 32.0	17.5 / 42.0
Refrigerant Charge	Kg / oz	Outdoor	0.55 / 19.40	0.78 / 27.50	0.77 / 33.50	1.20 / 42.30
Refrigerant Pipe Diameter	Liquid	mm	φ6	φ6	φ6	φ6
		inch	1/4"	1/4"	1/4"	1/4"
	Gas	mm	φ9.52	φ9.52	φ9.52	φ16
		inch	3/8"	3/8"	3/8"	5/8"
	Piping (m)	Max (H)	10	10	10	10
		Max (L)	15	20	25	25
Warranty	2 Years for Spare Parts & 6 Years for Compressor					

# Specifications

R32

**Wall-mounted type**  
**NON-INVERTER SERIES**



Model	Indoor		GWC09ACC - K6NNA1A	GWC12ACC - K6NNA1B	GWC18ACE - K6NNA1A	GWC24ACE - K6NNA1B
	Outdoor		GWC09QC - K6NNC2A/O	GWC12QC - K6NNC2B/O	GWC18QE - K6NNC2A/O	GWC24QE - K6NNC2B/O
Refrigerant Type	R32					
Function	Cooling					
Capacity	Cooling	Btu/h	9,000	12,283	18,425	24,500
		kW	2.64	3.60	5.40	7.18
Efficiency	EER	(Btu/h)/w	12.69	12.70	12.70	12.70
		W / W	3.72	3.72	3.72	3.72
	CSPF	Wh / Wh	3.86	3.77	4.00	4.00
Air Circulation	Indoor / Hi	m3 / h	650/560/480/360	660/540/460/330	1250/1150/900/750	1200/1060/930/800
		cfm	383/330/282/212	388/318/271/194	736/677/530/441	706/624/547/471
Noise Level	Indoor (SH/H/M/L)	dB (A)	40/37/34/27	42/38/35/28	48/44/40/35	49/46/40/36
	Outdoor	dB (A)	48	48	51	53
Electrical Data ( Indoor )	Phase / Voltage	Φ / V / Hz	1Ph / 220-240V / 50			
	Running Current	A- ( Rated )	3.35 ( 5.77 )	4.50 ( 7.40 )	6.84 ( 10.00 )	9.30 ( 16.42 )
	Power Input	W - ( Rated )	709 (1050 )	967 (1400 )	1450 (1950 )	1928 (2800 )
Moisture Removal	Indoor	L/h	0.8	1.4	1.8	2.64
Outline Dimension	W x H x D (mm)	Indoor	889 x 294 x 212	889 x 294 x 212	1122 x 329 x 247	1122 x 329 x 247
		Outdoor	776 x 540 x 320	848 x 540 x 320	899 x 596 x 378	955 x 700 x 396
Package Dimension	W x H x L (mm)	Indoor	935 x 349 x 273	935 x 349 x 273	1190 x 407 x 335	1190 x 407 x 335
		Outdoor	823 x 595 x 358	881 x 595 x 363	948 x 645 x 420	1029 x 750 x 458
Net Weight	Kg	In / Out	10.5 / 26.5	11.0 / 30.0	17.0 / 42.0	16.5 / 53.5
Refrigerant Charge	Kg / oz	Outdoor	0.57 / 20.10	0.64 / 22.60	1.00 / 35.28	1.40 / 49.40
Refrigerant Pipe Diameter	Liquid	mm	φ6	φ6	φ6	φ6
		inch	1/4"	1/4"	1/4"	1/4"
	Gas	mm	φ9.52	φ12	φ12	φ16
		inch	3/8"	1/2"	1/2"	5/8"
	Piping (m)	Max ( H )	6	10	10	6
		Max ( L )	18	20	25	18
Warranty	2 Years for Spare Parts & 6 Years for Compressor					

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R32



# LOMO32

NON-INVERTER SERIES

2  
YEARS

WARRANTY FOR  
SPARE PARTS

6  
YEARS

WARRANTY FOR  
COMPRESSOR

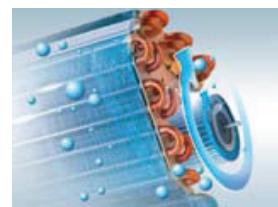
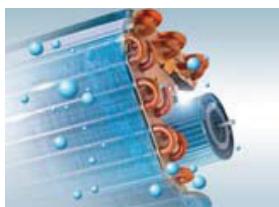


WALL MOUNTED

## Auto Clean (X-FAN)

Cross flow fan continues blowing to dry inside of indoor unit after switching off the unit so as to keep clean and healthy. Adopts a new generation of hydrophilic aluminium foil, under cooling or dehumidifying mode, dust in evaporator will be removed by the fast-moving condensate water.

The blade keeps operating for air drying after power off, thus achieves automatic clean and dry.



① Water still exists in air conditioner  
after power off

② Cross flow fan keeps operating

③ Keep clean and dry inside the unit



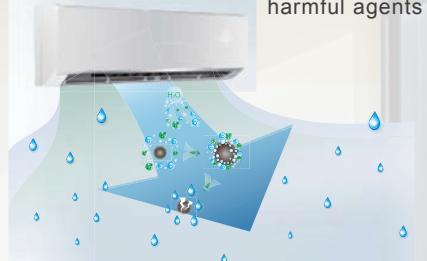
## I feel

The mini sensor in the remote controller can sense its surrounding temperature and transmit the signal back to the indoor unit so the unit can adjust the airflow volume and temperature accordingly to provide maximum comfort.



## Cold Plasma

Effective sterilization and bacteria/odor removal. Provide the air with more negative oxygen ions. Active hydrogen oxygen ions are generated which can eliminate bacteria, viruses, dusts and other harmful agents in the air.



## Refrigerant leakage protection

When refrigerant is insufficient and the valve is blocked, indoor unit of air conditioner will display **F0** malfunction and stop operation. This function effectively protects the whole unit and safeguard the compressor against any damages occurred due to high temperature result in fluorine leakage.



## Golden Fin ( Outdoor Unit )

The salt spray proofing and anti-corrosion ability of gold fin is greatly enhanced and is almost twice stronger than other anti-corrosion products, reaching the world leading level.



Its anti-corrosion effect is better than normal fin, which enables long service for the unit.

Model	Indoor		GWC09QC - K6NNB4B/I	GWC12QC - K6NNB4C/I	GWC18QE - K6NNB4B/I	GWC24QE - K6NNB4A/I
	Outdoor		GWC09QC - K6NNE4B/O	GWC12QC - K6NNE4C/O	GWC18QE - K6NNC6B/O	GWC24QE - K6NNA1A/O
Refrigerant Type			R32			
Capacity	Cooling	Btu/h	9,000	12,113	18,000	24,000
		kW	2.638	3.550	5.275	7.034
Efficiency	EER	(Btu/h)/w	12.10	12.11	12.39	11.61
		W / W	3.55	3.55	3.63	3.40
Air Circulation		Wh / Wh	3.74	3.69	3.76	3.46
		m <sup>3</sup> / h	650 / 560 / 480 / 360	680 / 540 / 460 / 330	1200 / 1100 / 960 / 820	1200 / 1060 / 930 / 800
Noise Level	Indoor (SH/H/M/L)	dB (A)	40/37/34/28	42/38/35/30	49/45/41/36	51/47/44/37
	Outdoor	dB (A)	49	49	51	53
Electrical Data	Phase / Voltage	Φ / V / Hz	1Ph / 220-240V / 50			
	Cooling Current	A	3.55	4.70	6.50	9.59
	Power Input	W	743	1000	1453	2068
Moisture Removal	Indoor	L/h	1.00	1.20	1.80	2.00
Outline Dimension	W x H x D (mm)	Indoor	845 x 289 x 209	845 x 289 x 209	1078 x 325 x 246	1078 x 325 x 246
		Outdoor	782 x 540 x 320	782 x 540 x 320	848 x 596 x 320	904 x 646 x 373
Package Dimension	W x H x D (mm)	Indoor	921 x 379 x 281	921 x 379 x 281	1148 x 413 x 350	1148 x 413 x 350
		Outdoor	823 x 595 x 358	823 x 595 x 358	881 x 645 x 363	963 x 695 x 411
Net Weight	Kg	In / Out	10.5 / 27.0	10.5 / 29.0	17.0 / 37.0	16.5 / 50.0
Refrigerant Charge	Kg / oz	Outdoor	0.42 / 14.80	0.59 / 20.80	0.77 / 27.17	1.40 / 49.40
Refrigerant Pipe Diameter	Liquid	mm	φ6	φ6	φ6	φ6
		inch	1/4"	1/4"	1/4"	1/4"
	Gas	mm	φ9.52	φ12	φ12	φ16
		inch	3/8"	1/2"	1/2"	5/8"

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R410A



# LOMON

NON-INVERTER SERIES



2  
YEARS

WARRANTY FOR  
SPARE PARTS

6  
YEARS

WARRANTY FOR  
COMPRESSOR



Auto Clean



Auto Restart



Cold Plasma



Comfortable  
Sleep Curves



Healthy Filters



Intelligent  
Defrosting



I Feel



LED Display



Self-diagnosis



Timer



'Turbo' Button

WALL MOUNTED

## Refrigerant Leakage Protection

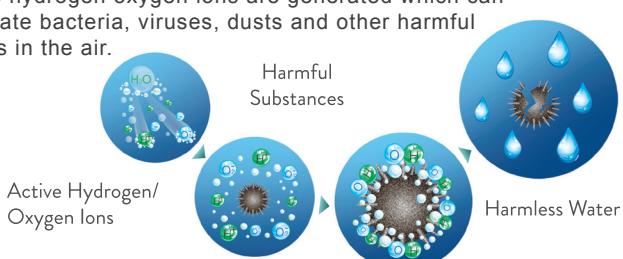
When refrigerant is insufficient and the valve is blocked, indoor unit of air conditioner will display **F0** malfunction and stop operation. This function effectively protects the whole unit and safeguard the compressor against any damages occurred due to high temperature result in fluorine leakage.



## Cold Plasma

Improve Indoor Air Quality and Give You a Healthier Life

Active hydrogen oxygen ions are generated which can eliminate bacteria, viruses, dusts and other harmful agents in the air.





## R410A Eco-friendly Refrigerant

- Quiet
- Fast Cooling & Eco Friendly
- Generate active ions which eliminate **90% of bacteria, viruses and dusts**

Model	Indoor		GWC09QB-K3NNB4F/I	GWC12QC-K3NNB4F/I	GWC18QD-K3NNB4D/I	GWC24QE-K3NNB4B/I
	Outdoor		GWC09QB-K3NNA1F/O	GWC12MB-K3NNA3E/O	GWC18QD-K3NNA1D/O	GWC24QE-K3NNA1B/O
ApplicationArea	sq m	sq ft	12~18 129~194	16~24 172~258	23~34 248~366	27~42 291~452
Refrigerant Type			R410A	R410A	R410A	R410A
Function			Cooling	Cooling	Cooling	Cooling
Capacity	Cooling	Btu/h	9,001	12,000	17,231	22,000
Efficiency	EER	Btu/hw	11.07	10.82	10.10	10.51
	COP	W / W	3.24	3.17	2.96	3.08
Noise Level	Indoor (H/L)	dB(A)	40/27	42/31	44/35	46/38
	Outdoor	dB(A)	50	50	52	56
Electrical Data	Power Source	Indoor		Indoor	Indoor	Indoor
	Phase	Φ		1	1	1
	Voltage	220~240		220~240	220~240	220~240
	Running Current	A		3.22	5.03	7.68
Moisture Removal	Power Input	W		819	1,134	1,832
	Indoor	L/h		0.8	1.4	1.8
Air Circulation	Indoor/Hi	m³/h		580	735	900
		CFM		341	433	530
Outline Dimension	Height x Width x Depth (mm)	ID	275 x 790 x 200	289 x 845 x 209	300 x 970 x 224	325 x 1078 x 246
		OD	540 x 776 x 328	540 x 848 x 320	540 x 848 x 320	680 x 913 x 378
Package Dimension	Height x Width x Depth (mm)	ID	367 x 866 x 271	281 x 921 x 379	383 x 1041 x 320	413 x 1148 x 350
		OD	595 x 823 x 358	595 x 881 x 363	595 x 881 x 363	740 x 997 x 431
NetWeight	kg	ID/ OD	9.0/27.5	10.5/32.5	13.5/39.5	17/49
Refrigerant Pipe Diameter	Liquid side	mm	6.35	6.35	6.35	6.35
		inch	1/4"	1/4"	1/4"	1/4"
	Gas side	mm	9.52	12.70	12.70	15.88
		inch	3/8"	1/2"	1/2"	5/8"

## Self -diagnosis

Once abnormal operation or parts failure happen, the unit will shut off automatically to protect the system. Meanwhile it will indicate protection or error code for fast service.



## I Feel

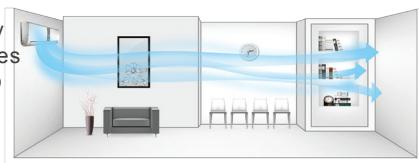
The mini sensor in the remote controller can sense its surrounding temperature and transmit the signal back to the indoor unit so the unit can adjust the airflow volume and temperature accordingly to provide maximum comfort.



Remote with I Feel

## Turbo Cooling

Press "Turbo" button on remote controller to enjoy large airflow which enables the indoor temperature to reach the set temp in a shorter time.



## Golden Fin ( Outdoor Unit )

The salt spray proofing and anti-corrosion ability of gold fin is greatly enhanced and is almost twice stronger than other anti-corrosion products, reaching the world leading level.



Its anti-corrosion effect is better than normal fin, which enables long service for the unit.

**Plug in  
& Enjoy 100% Cooling Air**

# SHINY NON-INVERTER SERIES

**1  
YEAR**

**WARRANTY FOR  
SPARE PARTS**

**3  
YEARS**

**WARRANTY FOR  
COMPRESSOR**

**R32**



**No**  
Outdoor  
Unit



**No**  
Ice & Water  
Needed



**No**  
Wall  
Hacking

**PORTABLE**

► **Multi-Layer Protection**



High loading protection



Refrigerant leakage  
protection



Overload protection



Temperature sensor  
error protection



Anti-freezing protection

**A+** Energy  
Efficiency  
Class





### Designed For Space Saving

- Faster & Powerful Cooling [ 16 Degree Lowest Temperature ]
- 3 in 1 Function - Cooling, Dehumidifying and Fanning
- User-Friendly Design For Control Panel
- First-Created Upright Air Outlet
- Two-Way Air Swing For Wide Air Supply Area
- Concealed Position For Remote Controller
- Build In Rolling Casters For Easy Movement
- Electronic Control with 24 Hours Timer
- Auto Water Evaporation System
- Convenient and Easy To Control System



MODEL		Shiny (GPC09AK-K6NNA1A)	Shiny (GPC12AL-K6NNA1A)
Function		Cooling	Cooling
Capacity	Btu/h	9,000	12,010
EER	W/W (Btu/h) / W	2.62 8.9	2.60 8.9
Power Supply	Ph, V, Hz	1Ph, 220 - 240V, 50Hz	
Power Input (RATED)	W	1010 (1200)	1345 (1650)
Power Current (RATED)	A	4.50 (5.30)	5.80 (8.10)
Control Mode		Remote / Electrical	
Airflow Volume	m³ / h	330 / 300 / 270	360 / 330 / 300
	CFM	194 / 177 / 159	211 / 194 / 176
Application Area	m²	10 - 16	15 - 22
Sound Pressure Level	Indoor dB (A) (H/M/L)	53 / 51 / 49	53 / 51 / 49
Outline Dimension	W x H x D mm	315 x 770 x 395	390 x 820 x 405
Package Dimension	W x H x D mm	358 x 881 x 463	455 x 862 x 581
Net Weight / Gross Weight	kg	27.5 / 31.5	34.5 / 40.0
Refrigerant		R32	

### Fire-Proof Electric Box

Electric box sealed by metal casing, could prevent fire in case of short-circuit



Portable Air Conditioner to be used in:

- Homes
- Apartments & Condominiums
- Industrial Area
- Offices & Meeting Rooms

- Add medium continuous drainage hole for smooth water drainage and convenient operation



► R32 Eco-Friendly Refrigerant  
No damage to ozone layer;  
Higher efficiency

## T-FRESH NON-INVERTER SERIES

1  
YEAR

WARRANTY FOR  
SPARE PARTS

3  
YEARS

WARRANTY FOR  
COMPRESSOR

\*Warranty for 3.0HP / 3 Phase and Above

FLOOR STANDING



### WIFI Control

Gree + brings you a  
brand new experience  
for intelligent control.

GREE+ App Download Linkage



► Simple Design Brings Life To Its Original Nature



Beautiful Integrated Design



Precise Air Guiding



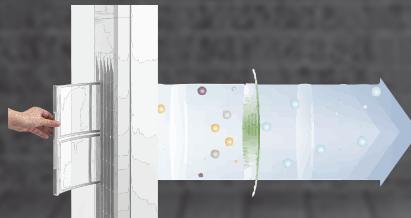
Concealed Display Screen and Touch Control Button



**Floor Standing  
T-FRESH  
NON-INVERTER SERIES**

► Side-drawing filter design for convenient cleaning

The filter adopts user-friendly side-drawing design, which is more convenient for cleaning



Closed Structure  
of Connection  
Pipe Outlet



Lock



Timer



Refrigerant  
Lacking  
Protection



Quick  
Cooling



Quiet  
Design



Wide  
Operation  
Climate  
Range



Healthy  
Filters



Auto  
Restart



Intelligent  
Defrosting  
Monitor



LED  
Display



Wifi Control

Model		GVC24AL-K6NNC7A		GVC48AL-M6NNC7A
Cooling Capacity	kW	7.00		12.31
	Btu/h	23,884		42,000
EER	W/W	2.80		2.80
	Btu/h/W	9.55		9.55
Power Supply	Ph,V,Hz	1Ph, 220-240V, 50Hz		3Ph, 380-415V, 50Hz
Power Input	Cooling	W	2500	4390
Rated Current	Cooling	A	18.00	9.55
Refrigerant Charge Volume	kg / oz	1.62 / 49.4		2.30 / 81.1
Indoor Unit		GVC24AL-K6NNC7A/I		GVC48AL-M6NNC7A/I
Airflow Volume	m³/h	1000 / 800 / 710 / 600		1900 / 1850 / 1700 / 1530
	CFM	547 / 471 / 418 / 353		1118 / 1089 / 1000 / 900
Sound Pressure Level	Indoor	dB(A)(SH/H/M/L)	46 / 44 / 41 / 38	53 / 50 / 48 / 45
Outline Dimension	WxHxD	mm	507 x 1770 x 320	587 x 1882 x 394
Weight/Gross Weight	Indoor	kg	38.5/52	55/77.5
Outdoor Unit		GVC24AL-K6NNC7A/O		GVC48AL-M6NNC7A/O
Sound Pressure Level	Outdoor	dB(A)	57	59
Outline Dimension	WxHxD	mm	963 x 700 x 396	1032 x 1250 x 412
Weight/Gross Weight	Outdoor	kg	60/64.5	107/118
	Gas	mm / inch	12.70 / 1/2"	15.88 / 5/8"
Connection Pipe	Liquid	mm / inch	6.35 / 1/4"	9.52 / 3/8"
	Max Distance	Height m / ft	20 / 65.6	20 / 65.6
	Length	m / ft	25 / 82.0	30 / 98.4
	Length	m / ft	7.5 / 24.6	7.5 / 24.6
	Gas Additional Charge	g/m	12.00	12.00
Refrigerant		oz/ft	0.129	0.129

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# CASSETTE

1  
YEAR

WARRANTY FOR  
SPARE PARTS

3  
YEARS

WARRANTY FOR  
COMPRESSOR

\*Warranty for 3.0HP / 3 Phase and Above

CEILING CASSETTE



# Ceiling Cassette Unit



**MINI CEILING CASSETTE**

GUD50T/A-S  
& GUD50T/A-K



YB1FA (Standard)



XK75 (Optional)



XK117 (Optional)

- 360°air discharge;
- Width and length of case are only 570mm
- Selection of air return dual temperature sensors: Match with wired controller can select air return temperature sensor or wired controller temperature sensor as the indoor ambient temperature sensor for improving comfort;
- DC motor and DC water pump, energy-saving and high efficiency;
- Fresh air can be connected;
- Lift of water pump is 1000mm;
- Energy efficiency can be up to A++ in cooling season

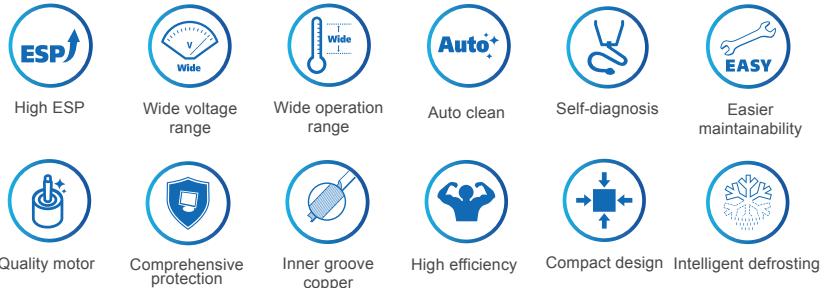
## U-Match - Outdoor Models

System	50	71	100	125	140	160
Air cooled						

# COMMERCIAL AC

## 『U-MATCH』

### Fixed-frequency Series



R410A

**CASSETTE**  
NON-INVERTER SERIES

Indoor Unit	Type	Cassette	Cassette	Cassette	Cassette	Cassette	Cassette	Cassette		
	Model	GUD50T/A-K	GU71T/A-K	GU85T/A1-K	GU100T/A-K	GU125T/A-K	GU140T/A-K	GU160T/A-K		
Electrical Data	Power Supply	V-Hz-Ph	220-240-50-1							
	Power Input	kW	0.04	0.10	0.155	0.155	0.25			
Sound Pressure (H / M / L)		dB	43/38/35	45/42/39	46/45/42	50/48/45	50/49/47	51/47/45		
Refrigerant										
Air Flow Volume ( RATED EXP )	CFM	411.95	736		942	942	1177			
	m³/h	700	1250		1600	1600	2000			
Fan Motor	Drive Type	-	Direct							
Drainage Connection Size		mm	φ25×1.5							
Dimension	Outline ( W x D x H )	mm	570×570×265	840×840×240		840×840×240	840×840×290			
	Package ( L x W x H )	mm	698×653×295	933×903×272		933×903×272	933×903×335			
Weight	Net / Gross	kg	17.0/21.0	30.0/37.0		30.0/37.0	33.0/40.0	34.0/41.0		
Loading Quantity ( within panel )	20' GP	216	96		96	96	84			
	40' GP	432	208		208	208	182			
Panel	Outline ( W x D x H )	mm	620×620×47.5	950×950×52		950×950×52	950×950×52	950×950×52		
	Package ( W x D x H )	mm	701×701×125	1033×1038×112		1033×1038×112	1033×1038×112	1033×1038×112		
	Net Weight	kg	4.5	9.5		9.5	9.5	9.5		
Outdoor Unit	Model		GUL50W/A-K	GUL71W/A-K	GU85W/A1-K	GUL100W/A-M	GUL125W/A-M	GUL140W/A-M	GUL160W/A-M	
Cooling Capacity		kW	4.90	7.10	8.30	10.30	12.00	14.10	15.00	
		Btu/h	16700	24200	28300	35100	40900	48100	51200	
EER / C.O.P		W/W	3.06/-	3.02/-	3.13/-	2.94/-	2.89/-	2.52/-	2.88/-	
Electrical Data	Power Supply	V-Hz-Ph	220-240-50-1	220-240-50-1	220-240-50-1	380-415-50-3	380-415-50-3	380-415-50-3	380-415-50-3	
	Power Input	kW	1.60	2.35	2.65	3.50	4.15	5.60	5.20	
Sound Pressure ( H / M / L )		dB (A)	50/-/-	53/-/-	55/-/-	54/-/-	57/-/-	57/-/-	56/-/-	
Fan Motor	Drive Type	-	Direct	Direct	Direct	Direct	Direct	Direct	Direct	
Compressor		W	1540	2060	2680	3350	4040	4900	4900	
Dimension	Outline ( W x D x H )	mm	761×256×548	892×340×698		920×370×790	940×460×820			
	Package ( W x D x H )	mm	881×363×595	1029×458×750		1083×488×875	1083×573×973			
Weight	Net / Gross	kg	37.0/39.5	53.0/57.0	61.0/65.0	68.0/73.0	93.0/103.0			
Loading Quantity	20' GP	164	81		48	40				
	40' GP	344	171		96	88				
Connection Pipe	Gas Additional Charge	g/m	22.0	30.0		54	54			
	Outer Diameter	Liquid	inch	1/4"	3/8"	3/8"	3/8"			
		Gas	inch	1/2"	5/8"	5/8"	5/8"			
	Max Distance	Height	m	15	15	20	30			
	Length	m	30	30	30	30	50			

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# Ceiling Cassette Unit



Indoor Unit	Model		GULD18T/A-T	GULD24T/A-T	GULD30T/A-T	GULD36T/A-T	GULD42T/A-T			
Electrical Data	Power Supply	V-Hz-Ph	220-240 / 208-230 -50/60-1							
	Power Input	kW	0.050	0.050	0.100	0.165	0.165			
Sound Pressure		dB (A)	43/42/40/39		50/48/46/42	52/51/48/45				
Refrigerant			R32							
Air Flow Volume ( RATED EXP )		CFM	647/618/565/507		883/865/812/728	1118/995/871/815				
		m³/h	1100/1050/960/860		1500/1470/1380/1240	1900/1690/1480/1380				
Fan Motor	Drive Type	-	Direct							
Drainage Connection Size		mm	φ25×1.5							
Dimension	Outline ( W x D x H )	mm	840 x 840 x 240			840 x 840 x 290				
	Package ( L x W x H )	mm	963 x 963 x 325			963 x 963 x 379				
Weight	Net / Gross	kg	29.0 / 36.0		31.0 / 38.0	36.0 / 44.0				
Loading Quantity ( within panel )		20' GP	84			72				
		40' GP	168			144				
Panel	Outline ( W x D x H )	mm	950 x 950 x 52							
	Package ( W x D x H )	mm	1033 x 1038 x 112							
	Net Weight	kg	6							
Outdoor Unit	Model		GULD18W/NhA-T	GULD24W/NhA-T	GULD30W/NhA-T	GULD36W/NhA-T	GULD42W/NhA-T			
Cooling Capacity		kW	5.30	7.30	8.80	10.60	11.98			
		Btu/h	18,100	24,900	30,000	36,200	40,900			
EER / C.O.P		W/W	3.63 / -	3.78 / -	3.09 / -	3.12 / -	3.33 / -			
		Btu/h.W	12.40 / -	12.90 / -	10.53 / -	10.65 / -	11.36 / -			
Electrical Data	Power Supply	V-Hz-Ph	220-240 / 208-230 -50/60-1							
	Power Input ( R )	kW	1.46 (2.15)	1.93 (3.50)	2.85 (3.70)	3.40 (3.95)	3.60 (4.85)			
	Input Current ( R )	A	6.7 (11)	8.8 (17.50)	12.72 (19.00)	12.70 (20.00)	17.50 (23.00)			
Sound Pressure ( H / M / L )		dB (A)	52/-/-		52/-/-		53/-/-			
Fan Motor	Drive Type		Direct		Direct		Direct			
Compressor		W	1410		2420		2420			
Dimension	Outline ( W x D x H )	mm	818x 302 x 596			920 x 370 x 790		940 x 460 x 820		
	Package ( L x W x H )	mm	948 x 420 x 645			1029 x 458 x 750		1083 x 488 x 855		
Weight	Net / Gross	kg	39 / 42		51 / 55		58 / 63		80 / 92	
Loading Quantity		20' GP	36		31		23		22	
		40' GP	81		67		56		48	
Connection Pipe	Gas Additional Charge	g/m	16.0		30.0		40.0		40.0	
	Outer Diameter	Liquid	1/4" ( 0.250 )		3/8" ( 0.375 )		3/8" ( 0.375 )		3/8" ( 0.375 )	
		Gas	1/2" ( 0.500 )		5/8" ( 0.625 )		5/8" ( 0.625 )		5/8" ( 0.625 )	
	Max Distance	Height	m		20		25		25	
		Length	m		35		50		50	

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R410A

INVERTER  
R32

# FLOOR CEILING

1  
YEAR

WARRANTY FOR  
SPARE PARTS

3  
YEARS

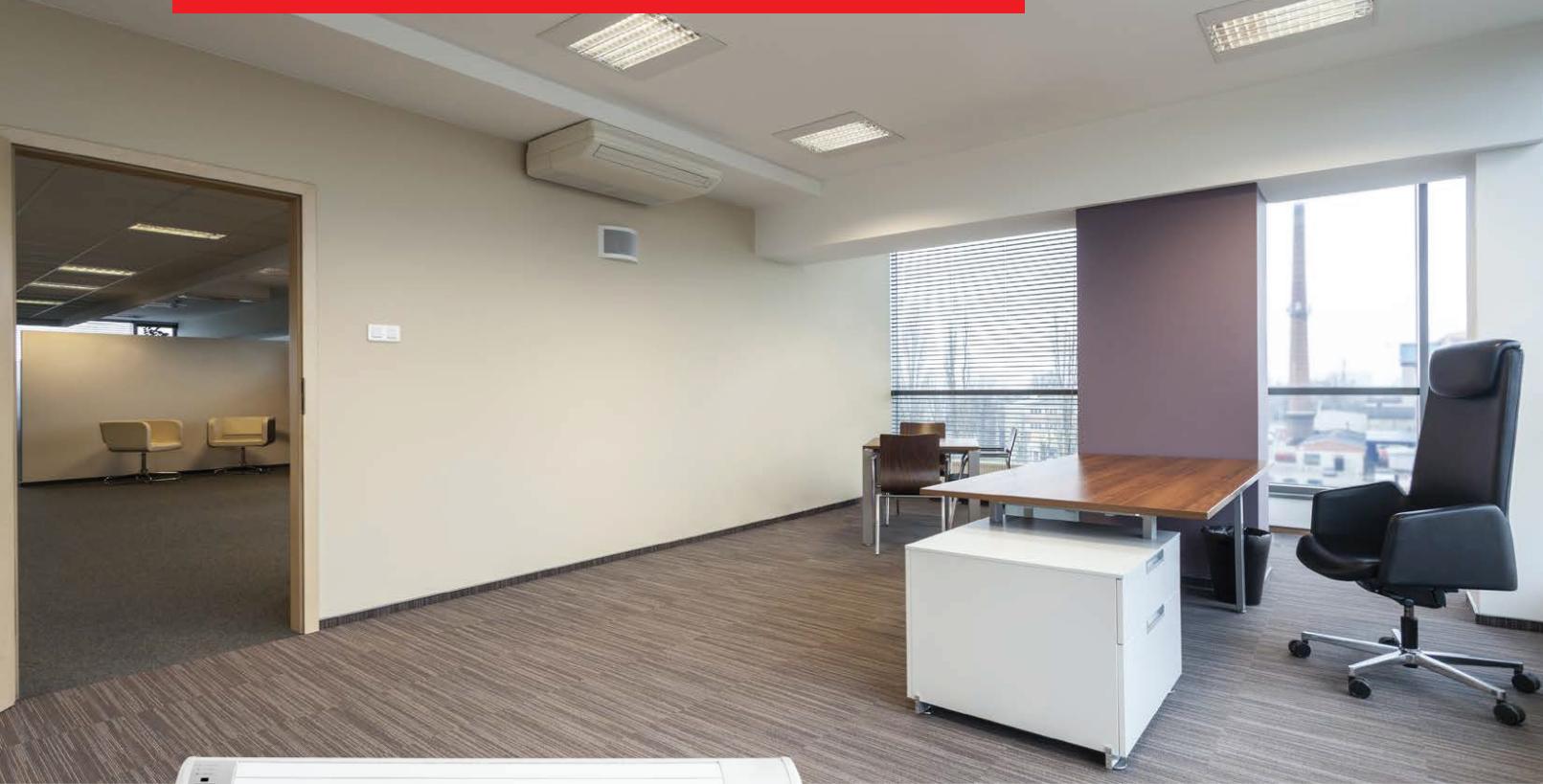
WARRANTY FOR  
COMPRESSOR

\*Warranty for 3.0HP / 3 Phase and Above

FLOOR CEILING



# Floor Ceiling Unit



YB1FA (Standard)



XK75 (Optional)



XK117 (Optional)

- Selection of air return dual temperature sensors: Match with wired controller can select air return temperature sensor or wired controller temperature sensor as the indoor ambient temperature sensor for improving comfort;
- DC motor, energy-saving and high efficiency;
- Fresh air can be connected;
- Energy efficiency can be up to A++ in cooling season

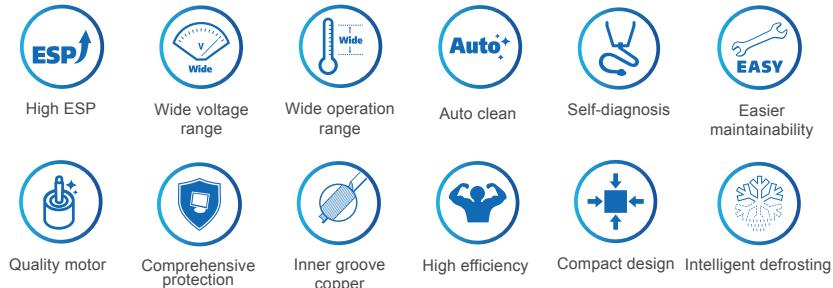
## U-Match - Outdoor Models

System	50	71	100	125	140	160
Air cooled						

# COMMERCIAL AC

## 『U-MATCH』

### Fixed-frequency Series



R410A

## FLOOR CEILING

### NON-INVERTER SERIES

Indoor Unit	Type	Floor Ceiling								
	Model	GU50ZD/A-K	GU71ZD/A-K	GU85ZD/A1-K	GU100ZD/A-K	GU125ZD/A-K	GU140ZD/A-K	GU160ZD/A-K		
Electrical Data	Power Supply	V-Hz-Ph	220-240-50-1		220-240-50-1		220-240-50-1			
	Power Input	kW	0.07		0.13		0.18			
Sound Pressure (H / M / L)	dB	40/37/33	46/44/41		48/47/44		50/49/48			
Refrigerant		R410A	R410A			R410A		R410A		
Air Flow Volume ( RATED EXP )	CFM	412	824			1000		1295	1471	
	m³/h	700	1400			1700		2200	2500	
Fan Motor	Drive Type	-	Direct			Direct		Direct		
	Power Output	W	0.02			0.03		0.13		
Drainage Connection Size	mm	φ25×1.5	φ25×1.5	φ17×1.5	φ25×1.5		φ25×1.5			
Dimension	Outline ( W x D x H )	mm	870×665×235			1200×665×235		1570×665×235		
	Package ( L x W x H )	mm	1033×770×300			1363×770×300		1729×770×300		
Weight	Net / Gross	kg	25.0/30.0			33.0/39.0	36.0/42.0	37.0/43.0	43.0/50.0	45.0/52.0
Loading Quantity	20' GP	112	84			84	63			
	40' GP	238	175			175	140			
Outdoor Unit	Model	GUL50W/A-K	GUL71W/A-K	GU85W/A1-K	GUL100W/A-M	GUL125W/A-M	GUL140W/A-M	GUL160W/A-M		
Cooling Capacity	kW	5.00	7.10	8.30	10.30	12.00	14.10	16.00		
	Btu/h	17100	24200	28300	35100	40900	48100	54600		
EER / C.O.P.	W/W	3.03/-	2.96/-	3.13/-	2.94/-	2.93/-	2.71/-	3.02/-		
Electrical Data	Power Supply	V-Hz-Ph	220-240-50-1			380-415-50-3				
	Power Input	kW	1.65	2.40	2.65	3.50	4.10	5.20	5.30	
Sound Pressure (H / M / L)	dB (A)	50/-	53/-	55/-	54/-	57/-	57/-	56/-		
Fan Motor	Drive Type	-	Direct			Direct				
	Power Output	W	0.05	0.11		0.17	0.20			
Compressor	W	1540	2060	2680	3350	4040	4900			
Dimension	Outline ( W x D x H )	mm	761×256×548		892×340×698		920×370×790		940×460×820	
	Package ( L x W x H )	mm	881×363×595		1029×458×750		1083×488×875		1083×573×973	
Weight	Net / Gross	kg	37.0/39.5	53.0/57.0	61.0/65.0	68.0/73.0	93.0/103.0		95.0/105.0	
Loading Quantity	20' GP	164	81			48	40			
	40' GP	344	171			96	88			
Connection Pipe	Gas Additional Charge	g/m	22.0	30.0		54				
	Outer Diameter	Liquid	inch	1/4"		3/8"				
		Gas	inch	1/2"		5/8"				
	Max Distance	Height	m	15	15	20	30			
		Lenght	m	30	30	30	50			

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# Floor Ceiling Unit



Indoor Unit	Model		GULD18ZD/A-T	GULD24ZD/A-T	GULD30ZD/A-T	GULD36ZD/A-T	GULD42ZD/A-T
Electrical Data	Power Supply	V-Hz-Ph	220-240 / 208-230 -50/60-1				
	Power Input	kW	0.055	0.080	0.110	0.150	0.150
Sound Pressure		dB (A)	44/42/39/36	45/44/41/38	49/47/45/43	52/50/48/44	
Refrigerant							R32
Air Flow Volume ( RATED EXP )		CFM	500/471/412/353	765/718/646/553	942/883/794/742	1236/1177/1059/881	
		m³/h	850/800/700/600	1300/1220/1100/940	1600/1500/1350/1260	2100/2000/1800/1500	
Fan Motor	Drive Type	-	Direct	Direct	Direct	Direct	
Drainage Connection Size		mm	φ17×1.5	φ17×1.5	φ17×1.5	φ17×1.5	
Dimension	Outline ( W x D x H )	mm	870 x 665 x 235	1200 x 665 x 235	1200 x 665 x 235	1570 x 665 x 235	
	Package ( L x W x H )	mm	1033 x 770 x 300	1363 x 770 x 300	1363 x 770 x 300	1729 x 770 x 300	
Weight	Net / Gross	kg	26.0 / 31.0	31.0 / 37.0	32.0 / 38.0	42.0 / 49.0	
Loading Quantity ( within panel )		20' GP	112	84	84	63	
		40' GP	238	175	175	133	
Outdoor Unit	Model		GULD18W/NhA-T	GULD24W/NhA-T	GULD30W/NhA-T	GULD36W/NhA-T	GULD42W/NhA-T
Cooling Capacity		kW	4.80	7.30	8.80	10.60	11.98
		Btu/h	16,400	24,900	30,000	36,200	40,900
EER / C.O.P		W/W	3.66 / -	3.44 / -	3.18 / -	3.41 / -	3.19 / -
		Btu/h.W	12.52 / -	11.75 / -	10.83 / -	11.64 / -	10.91 / -
Electrical Data	Power Supply	V-Hz-Ph	220-240 / 208-230 -50/60-1				
	Power Input ( R )	kW	1.31 (2.15)	2.12 (3.50)	2.77 (3.70)	3.11 (3.95)	3.75 (4.85)
	Input Current ( R )	A	6.7 (11)	8.6 (17.50)	11.81 (19.00)	12.70 (20.00)	15.70 (23.00)
Sound Pressure ( H / M / L )		dB (A)	52/-/-	52/-/-		53/-/-	55/-/-
Fan Motor	Drive Type		Direct	Direct		Direct	Direct
Compressor		W	1410	2420		2420	3750
Dimension	Outline ( W x D x H )	mm	818x 302 x 596	892 x 340 x 698		920 x 370 x 790	940 x 460 x 820
	Package ( L x W x H )	mm	948 x 420 x 645	1029 x 458 x 750		1083 x 488 x 855	1083 x 573 x 973
Weight	Net / Gross	kg	39 / 42	51 / 55		58 / 63	80 / 92
Loading Quantity		20' GP	47	37		23	27
		40' GP	110	81		67	58
Connection Pipe	Gas Additional Charge	g/m	16.0	30.0		40.0	40.0
	Outer Diameter	Liquid	1/4" ( 0.250 )	3/8" ( 0.375 )		3/8" ( 0.375 )	3/8" ( 0.375 )
		Gas	1/2" ( 0.500 )	5/8" ( 0.625 )		5/8" ( 0.625 )	5/8" ( 0.625 )
	Max Distance	Height	m	20		25	30
		Length	m	35		50	65

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DUCT TYPE



R410A

INVERTER  
R32

## DUCT TYPE

1  
YEAR

WARRANTY FOR  
SPARE PARTS

3  
YEARS

WARRANTY FOR  
COMPRESSOR



# High Static Pressure Air Duct Unit



YB1FA (Standard) XK75 (Optional) XK117 (Optional)

- Match with wired controller can adjust the static pressure mode for different engineering installation requirements;
- Selection of air return dual temperature sensors: Match with wired controller can select air return temperature sensor or wired controller temperature sensor as the indoor ambient temperature sensor for improving comfort;
- DC motor, energy-saving and high efficiency;
- Fresh air can be connected;
- Lift of water pump is 1000mm;
- Energy efficiency can be up to A++ in cooling season ;
- Five static pressure modes for selection. The highest static pressure can be up to 200Pa.

## U-Match - Outdoor Models

System	50	71	100	125	140	160
Air cooled						

# COMMERCIAL AC

## 『U-MATCH』

### Fixed-frequency Series



High ESP



Wide voltage range



Wide operation range



Auto clean



Self-diagnosis



Easier maintainability



Quality motor



Comprehensive protection



Inner groove copper



High efficiency



Compact design



Intelligent defrosting



## DUCT TYPE

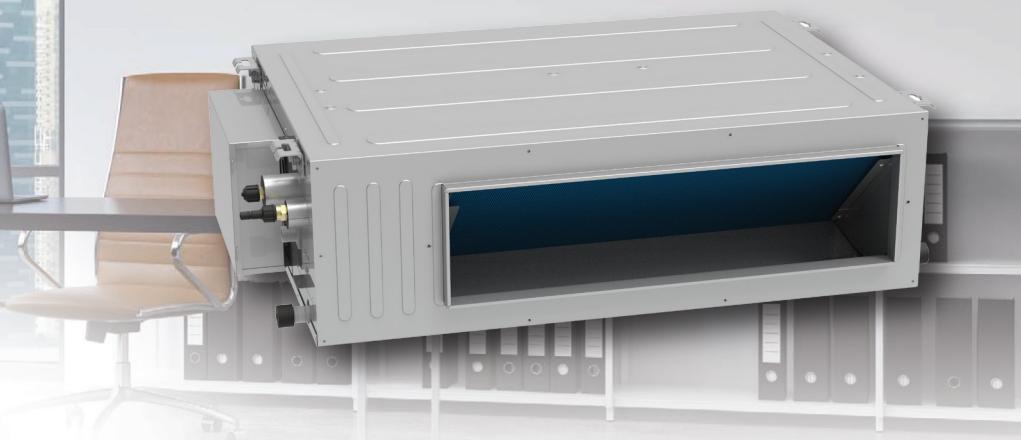
### NON-INVERTER SERIES

Indoor Unit	Type	Duct	Duct	Duct	Duct	Duct	Duct	Duct
	Model	GU50PS/A-K	GU71PS/A-K	GU85PS/A1-K	GU100PHS/A-K	GU125PHS/A-K	GU140PHS/A-K	GU160PHS/A-K
Electrical Data	Power Supply	V-Hz-Ph	220-240-50-1	220-240-50-1	220-240-50-1	220-240-50-1	220-240-50-1	220-240-50-1
	Power Input	kW	0.09	0.135	0.135	0.24	0.24	0.38
Sound Pressure ( H / M / L )	dB	30/27/25	37/33/31	40/36/33	42/38/35	41/38/35	44/41/37	45/40/37
Refrigerant		R410A	R410A	R410A	R410A	R410A	R410A	R410A
Air Flow Volume ( RATED EXP )	CFM	383	736	971.025	1000.45	1294.7	1530.1	
	m³/h	650	1250	1650	1700	2200	2600	
Fan Motor	Drive Type	-	Direct	Direct	Direct	Direct	Direct	Direct
	Power Output	W	0.08	0.12	0.28	0.28	0.50	
Drainage Connection Size	mm	φ26x2.5	φ26x2.5	φ26x2.5	φ26x2.5	φ26x2.5	φ26x2.5	
Dimension	Outline ( W x D x H )	mm	1000×450×200	1300×450×220	1000×700×300	1000×700×300	1400×700×300	
	Package ( L x W x H )	mm	1308×568×275	1628×578×300	1205×813×360	1205×813×360	1601×813×365	
Weight	Net / Gross	kg	25.0/30.0	32.0/38.0	41.0/47.0	42.0/48.0	53.0/60.0	55.0/62.0
Loading Quantity	20' GP	136	91	66	66	42		
	40' GP	288	203	138	138	90		

Outdoor Unit	Model	GUL50W/A-K	GUL71W/A-K	GU85W/A1-K	GUL100W/A-M	GUL125W/A-M	GUL140W/A-M	GUL160W/A-M
Cooling Capacity	kW	5.00	7.10	8.30	10.30	12.00	14.10	16.00
	Btu/h	17100	24200	28300	35100	40900	48100	54600
EER / C.O.P.	W/W	3.12/-	3.00/-	3.13/-	3.00/-	2.94/-	2.71/-	3.02/-
Electrical Data	Power Supply	V-Hz-Ph	220-240-50-1	220-240-50-1	220-240-50-1	380-415-50-3	380-415-50-3	380-415-50-3
	Power Input	kW	1.60	2.40	2.65	3.50	4.25	5.20
Sound Pressure ( H / M / L )	dB (A)	50/-	53/-	55/-	54/-	57/-	57/-	56/-
Fan Motor	Drive Type	-	Direct	Direct	Direct	Direct	Direct	Direct
	Power Output	W	0.05	0.11	0.11	0.17	0.20	0.20
Compressor	W	1540	2060	2680	3350	4040	4900	
Dimension	Outline ( W x D x H )	mm	761×256×548	892×340×698	920×370×790		940×460×820	
	Package ( L x W x H )	mm	881×363×595	1029×458×750	1083×488×875		1083×573×973	
Weight	Net / Gross	kg	37.0/39.5	53.0/57.0	61.0/65.0	68.0/73.0	93.0/103.0	95.0/105.0
Loading Quantity	20' GP	164	81	48		40		
	40' GP	344	171	96		88		
Connection Pipe	Gas Additional Charge	g/m	22.0	30.0	54		54	
	Outer Diameter	inch	1/4"	3/8"	3/8"		3/8"	
	Gas	inch	1/2"	5/8"	5/8"		5/8"	
	Max Distance	Height	m	15	20		30	
	Length	m	30	30	30		50	

\*NOTE: For The Improvement, The Specifications, Designs and Information In This Catalogue Are Subjected To Change Without Prior Notice.

# High Static Pressure Air Duct Unit



Indoor Unit	Model		GULD18PS/A-T	GULD24PS/A-T	GULD30PHS/A-T	GULD36PHS/A-T	GULD42PHS/A-T
Electrical Data	Power Supply	V-Hz-Ph	220-240 / 208-230 -50/60-1				
	Power Input	kW	0.075	0.080	0.180	0.195	0.195
Sound Pressure		dB (A)	43/42/39/36	40/39/37/36	46/44/42/40	43/41/40/38	
Refrigerant							R32
Air Flow Volume ( RATED EXP )		CFM	559/518/483/412	706/682/646/553	1059/894/812/752	1295/1177/1023/883	
		m³/h	950/880/820/700	1200/1160/1100/940	1800/1520/1380/1280	2200/2000/1740/1500	
Fan Motor	Drive Type	-	Direct	Direct	Direct	Direct	
Drainage Connection Size		mm	φ26×2.5	φ26×2.5	φ26×2.5	φ26×2.5	
Dimension	Outline ( W x D x H )	mm	1000 x 450 x 200	1300 x 450 x 220	1000 x 700 x 300	1400 x 700 x 300	
	Package ( L x W x H )	mm	1308 x 568 x 275	1628 x 578 x 300	1205 x 813 x 360	1601 x 813 x 365	
Weight	Net / Gross	kg	26.0 / 31.0	31.0 / 38.0	41.0 / 47.0	50.0 / 56.0	
Loading Quantity ( within panel )		20' GP	128	91	66	42	
		40' GP	288	196	138	84	
Outdoor Unit	Model		GULD18W/NhA-T	GULD24W/NhA-T	GULD30W/NhA-T	GULD36W/NhA-T	GULD42W/NhA-T
Cooling Capacity		kW	5.30	7.30	8.80	10.60	11.98
		Btu/h	18,100	24,900	30,000	36,200	40900
EER / C.O.P		W/W	3.53 / -	3.32 / -	3.18 / -	3.09 / -	3.57 / -
		Btu/h.W	12.07 / -	11.32 / -	10.83 / -	10.55 / -	12.17 / -
Electrical Data	Power Supply	V-Hz-Ph	220-240 / 208-230 -50/60-1				
	Power Input ( R )	kW	1.50 ( 2.15 )	2.20 ( 3.50 )	2.77 ( 3.70 )	3.43 ( 3.95 )	3.36 ( 4.85 )
	Input Current ( R )	A	6.3 ( 11 )	8.7 ( 17.50 )	12.72 ( 19.00 )	12.10 ( 20.00 )	17.90 ( 23.00 )
Sound Pressure ( H / M / L )		dB (A)	52/-/-	52/-/-	53/-/-	55/-/-	
Fan Motor	Drive Type		Direct	Direct	Direct	Direct	
Compressor		W	1410	2420	2420	3750	
Dimension	Outline ( W x D x H )	mm	818x 302 x 596	892 x 340 x 698		920 x 370 x 790	940 x 460 x 820
	Package ( L x W x H )	mm	948 x 420 x 645	1029 x 458 x 750		1083 x 488 x 855	1083 x 573 x 973
Weight	Net / Gross	kg	39 / 42	51 / 55	58 / 63	80 / 92	
Loading Quantity		20' GP	54	41	38	25	20
		40' GP	112	84	82	56	45
Connection Pipe	Gas Additional Charge	g/m	16.0	30.0		40.0	40.0
	Outer Diameter	Liquid	1/4" ( 0.250 )	3/8" ( 0.375 )		3/8" ( 0.375 )	3/8" ( 0.375 )
		Gas	1/2" ( 0.500 )	5/8" ( 0.625 )		5/8" ( 0.625 )	5/8" ( 0.625 )
	Max Distance	Height	m	20	25	25	30
		Length	m	35	50	50	65

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# WINDOW AIR-CON

## NON-INVERTER SERIES

1  
YEARWARRANTY FOR  
SPARE PARTS5  
YEARSWARRANTY FOR  
COMPRESSOR

Eco Non-inverter Mechanical Control

► Fresh air supply ventilation

The unit can introduce a certain percent age of fresh air to satisfy the fresh air requirement.



Model			GJC09AA-E3NMNB8A	GJC12AF-E3NMNB8A		
Application Area	sq m		12~18	16~24		
	sq ft		129~194	172~258		
Refrigerant Type			R410A			
Function			Cooling			
Capacity	Cooling	Btu/h	9,008	11,942		
		W	2640	3500		
EER	Cooling	(Btu/h) / W	10.1	10.1		
		W/W	2.95	2.95		
Noise Level	Indoor (H/L)	dB(A)	48 / 46 / 44	49 / 47 / 45		
Electrical Data	Phase	Φ	1	1		
	Voltage	V / Hz	220 / 50Hz			
	Running Current	A	4.1 ( 5.7 )	5.3 ( 7.3 )		
	Power Input	W	895 ( 1200 )	1186 ( 1500 )		
Moisture Removal	Indoor	L/h	1.2	1.6		
Air Circulation	Indoor/Hi	m <sup>3</sup> / h	350 / 300 / 250	450 / 400 / 350		
		CFM	206 / 177 / 147	264.83 / 235.40 / 205.98		
Outline Dimension	Height	(mm)	350 ( 374 )	375 ( 465 )		
	Width	(mm)	450 ( 521 )	560 ( 623 )		
	Depth	(mm)	580 ( 671 )	668 ( 766 )		
Net Weight ( Gross Weight )		kg	34 / 37	46 / 50		

WINDOW AC

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**F0 - In defect of refrigerant**

- In defect of refrigerant;
- Indoor evaporator temperature sensor works abnormally;
- The unit has been plugged up somewhere.

**F1- Indoor ambient / F2 - Indoor evaporator temperature sensor is open/shortcircuited**

- The unit will stop operation as it reaches the temperature point.
- The wiring terminal between indoor evaporator temperature sensor and main board is loosened or poorly contacted;
- There's short circuit due to the trip-over of the parts on controller;
- Indoor **ambient / evaporator** temperature sensor is damaged (Please check it by referring to the resistance table for temperature sensor)
- Main board is broken.

**F3 - Outdoor ambient / F4 - Outdoor condenser / F5- Outdoor discharge temperature sensor is open / short-circuited**

- The wiring terminal between outdoor condenser temperature sensor and controller is loosened or poorly contacted.
- Outdoor **ambient / condenser / discharge** temperature sensor is damaged.

**C5 - Malfunction protection of jumper cap ( Indoor ) / C4 (Outdoor)**

- There's not jumper cap on the main board.
- Jumper cap is not inserted properly and tightly.
- Jumper cap is damaged.

**E1 - High pressure protection of system**

- Refrigerant was superabundant;
- Poor heat exchange (including filth blockage of heat exchanger and bad radiating environment ); Ambient temperature is too high.

**E3 - Low pressure protection of compressor**

- The mainboard and display board are not connected well.
- The LPP terminal on the mainboard is not connected well with the high pressure switch
- The refrigerant is insufficient
- The wiring of high pressure switch is loosened or high pressure switch is damaged.

**E4 - High discharge temperature protection of compressor**

- Abnormal rotation speed of outdoor motor / air intake.
- System is normal but the compressor discharge temperature sensor is broken

**E5 - Overcurrent protection (This protection function is not available for those models whose cooling capacity  $\leq 12000\text{Btu/h}$ )**

- Unstable supply voltage. Normal fluctuation shall be within 10% of the rated voltage on the nameplate.
- Supply voltage is too low and load is too high.
- Measure the current of live wire on main board. If the current isn't higher than the overcurrent protection value, please check the controller.
- The indoor and outdoor heat exchangers are too dirty, or the air inlet and air outlet are blocked.
- The fan motor is not running. Abnormal fan speed: fan speed is too low or the fan doesn't run
- The compressor is not running normally. There is abnormal sound, oil leakage or the temperature of the shell is too high,etc.
- There's blockage in the system (filth blockage, ice plug, greasy blockage, Y-valve hasn't been opened completely)

**E6 - Communication malfunction**

- Malfunction of indoor / outdoor mainboard
- Reconnect the wire or replace the connection wire according to the wiring diagram.

**E8 - Overload malfunction**

- Outdoor and indoor heat exchangers are too dirty or the air inlet/outlet is blocked
- Fan motor is not working. Abnormal fan speed; fan speed is too low or the fan doesn't run.
- Compressor doesn't work normally. Strange noise or leakage occurs. Temperature of the shell is too high.
- System is blocked inside (dirt block, ice block, oil block, Y-valve not fully open)
- Temperature sensor of main board doesn't sense correctly.

**U8 - Zero-crossing inspection circuit malfunction of the IDU fan motor**

- Operation of remote controller or control panel is available, but the unit won't act.
- Quick de-energization and energization. Wrong judgement by the controller because the electric-discharging of capacitor is slow.
- Zero-crossing inspection circuit of main board for controller is abnormal.

**H3 - Overload protection for compressor**

- Outdoor and indoor heat exchangers are too dirty or the air inlet / outlet is blocked.
- Fan motor is not working. Abnormal fan speed; fan speed is too low or the fan doesn't run.
- Compressor doesn't work normally. Strange noise or leakage occurs. Temperature of the shell is too high.
- System is blocked inside (dirt block, ice block, oil block, Y-valve not fully open).
- High pressure switch is abnormal.
- The refrigerant is leaking and cause overheating protection to compressor.

**H6 - Blocked protection of IDU fan motor**

- IDU fan, ODU fan, compressor and electric heat tube stop operation. Horizontal louver stops at the current position.
- The feedback / control terminal of PG motor is not connected tightly.
- Fan blade rotates unsmoothly.
- Malfunction of motor
- Main board is broken.

**H8 - Over-blow protection**

- Refer to the indication of instruction to discharge the water of chassis.



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