



United Technologies  
turn to the experts

Tropical



220-240V ~, 50Hz 1Ph

Miraco



علامة الجودة الإماراتية  
Emirates Quality Mark



Creation Green

High Wall Split Systems  
Cool Only  
30K - 36K

- |                                    |                            |                                      |                              |                            |                                 |
|------------------------------------|----------------------------|--------------------------------------|------------------------------|----------------------------|---------------------------------|
| Ionizer Technology                 | Tropical Compressor        | Super Quiet                          | Auto Fan Speed               | Timer Functions            | Easy Flexible Installation      |
| Active Carbon Electrostatic Filter | Efficient AMS              | Smart LCD Wireless Control           | Auto Mode                    | Auto Restart Function      | Easy Fast Service & Maintenance |
| Efficient Anti-dust Filters        | Efficient Fans             | Smart Airflow                        | Independent Dehumidification | 3 Minutes Time Delay       | Washable Air Filters            |
| Fashion Design                     | Efficient Coils            | Vertical Air flow Auto Swing         | Turbo Function               | Self diagnostic function   |                                 |
| LCD Display                        | Inner Groove Copper Tubing | Horizontal Air flow Auto Swing (36K) | ECO Function                 | Refrigerant Leak Detection |                                 |
| Efficient Operation                | Hydrophilic Aluminum Fins  | Temperature Compensation             | Follow Me Function           |                            |                                 |



**Creation Green** High Wall Split is the optimum air conditioning solution for large places which require high wall installations, elegant appearance and ultimate comfort combined with efficient, quiet operation, optimum air distribution and efficient Indoor Air Quality (IAQ) and green refrigerant R407C.

## KEY FEATURES

### SMART CONTROL



Infrared wireless remote

### OUTDOOR UNIT

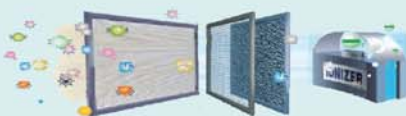


38QHET

### EFFICIENT, TROPICAL & QUIET



### EFFICIENT AIR FILTRATION



Anti-dust Air Filters    Carbon-Electrostatic Air Filter    Ionizer



### Healthy & Clean Indoor Air Quality (IAQ)

Ionizer generates large quantity of negative ions for refreshing air, killing germs, removing smoke and dust particles. Ionizer gives an immediate sensation of energy and well-being.



Efficient carbon - electrostatic air filter for odors and microscopic dust removal.



Efficient anti dust washable air filters for clean and healthy air.



### Modern Aesthetic Design

Attractive appearance with compact dimensions and light weight. Fits any interior decor with space saving.



Smart LCD display shows control functions and error code in case of a malfunction.



### Efficient Tropical Operation with Minimum Electrical Consumption

Patented heat transfer and aerodynamics technologies to ensure perfect operation up to 52°C outdoor ambient temperature for energy saving and low operating cost.



Efficient tropical rotary compressor works in high ambient up to 52°C with high efficiency and low electrical consumption leading to true powerful system cooling.



Efficient Air Management System (AMS) leading to maximum air flow with minimum turbulence for minimum air resistance, smooth airflow and efficient operation.



Carrier innovative uneven aerofoil tangential blower technology for efficient operation at all speeds with maximum air flow.



Efficient indoor and outdoor coils with large heat transfer surfaces for minimum electrical consumption.



Efficient trapeziform Inner groove copper tubing compared with traditional copper tubing, it allow more refrigerant flow, improving heat exchange efficiency and lowering power consumption while keeping the same capacity output level.



Precoated Hydrophilic Aluminum Fins of indoor coil to protect the coil against corrosion and to allow easy and quick removal of unrestricted condensate water between the fins to increase airflow, improve the efficiency of heat exchange and accelerate cooling process.



## Key Features

### Quiet with Minimum Sound Level

Patented cross flow fan, elephant ear propeller, new heat exchangers, improved Air Management System (AMS), and quiet compressor.



### Complete Control Functions for Comfort

Smart LCD infrared wireless remote control with complete control and safety functions built in the control system to ensure efficiency and safety at all operating conditions.



Smart supply air flow for comfort cool or heat as per the selected mode for optimal air distribution of supply air temperature and velocity inside the air conditioned space.



Auto-swing horizontal supply air flap to up and down for optimal air distribution of supply air temperature and velocity inside the air conditioned space.



Manual direction (for size 30K) of vertical supply air flaps to right and left for optimal air distribution of supply air temperature and velocity inside air conditioned space.



Auto-swing(for size 36K) of vertical supply air flaps to right and left for optimal air distribution of supply air temperature and velocity inside air conditioned space.



Temperature Compensation based on different installation height of indoor unit, the temperature deviation of the sensor sensed against the actual floor temperature always is different. Changing the jumping wires combination on the indoor PCB is possible to compensate the deviation. This could be achieved by installer in the installation field.



Auto fan speed which changes the fan speed automatically to high or medium or low fan speed by sensing the temperature difference between room temperature and set temperature.



Auto mode which changes the operation mode and capacity output automatically according to temperature difference between room temperature and set temperature.



Independent Dehumidification mode which dehumidifies the room efficiently, but not lower the temperature so obviously as cooling operation.



Turbo function to maximize the output of cooling capacity, make the room cool down rapidly and attain the desired temperature in the shortest time.



ECO function for energy saving and comfortable healthy sleep which automatically changes fan speed to low speed and controls both set and room temperatures.



Programmable timer for easy on and off selection with energy savings including off timer, on timer, off/on timer and on/off timer functions.



Follow Me function (for size 36) for smart control of comfortable temperature when you stay close to the remote control. With this technology, an efficient sensitive temperature sensor is built in the remote control just like the air conditioner is following you.



### Durability

Anti-rust, weather proof and long life outdoor unit sheet metal parts made of chemically treated and zinc coated (galvanized) sheet metal.



Powder painted casing of outdoor unit with perfect adhesion of highly resistant polyester paint 60-80 micros thick, which is electro-statically applied and baked at a temperature of 220°C.



### Complete Safety & Reliability Functions

Auto restart function with backup memory. When the power failure is happened during the air conditioner operation, the microprocessor of printed circuit board will memorize the operation setting. After the power is recovered, the air conditioner operates automatically (without remote control after elapse of compressor time delay), according to the previous operation settings.



3 (three) minutes safety time delay between compressor turning off and turning on for compressor protection against cycling.



Anti-freezing protection of indoor coil when the system is operating in cool mode with excessive dirt on the indoor coil and / or clogged air filters and / or when the air conditioner is operating in cool mode at low ambient temperature.



Smart self-diagnostic function for malfunctions detection for easy fast service and maintenance.



Smart Refrigerant leak detection by sensitive sensors mounted on the indoor and outdoor coils for easy fast service and maintenance.



The components of both indoor and outdoor units comply with international standards of performance and safety.



### Easy Installation, Service & Maintenance

Flexible multi outlet locations for piping from the indoor unit, easy piping connections and easy electrical connections between outdoor and indoor units.



Easy accessibility to all key components. common spare parts across product family.



Easy removal of front panel for cleaning by easy disassembly of panel engagement with indoor unit cabinet.



Easy removal of washable air filters for cleaning by opening the hinged front panel up and then pulling filters down outside the indoor unit.



## Key Features



### Ionizer Technology

Ionizer *Creation* generates large quantity of negative ions for refreshing air, killing germs, removing smoke and dust particles. Ionizer gives an immediate sensation of energy and well-being. Ionizer has the following advantages :



- Eliminates bacteria and dust mites.
- Remove bad odors, smoke and domestic smells.
- Eliminates potentially pollutants and chemicals.
- Alleviates fatigue, allergies, body paints and disease.
- Increase feeling of calmness, reducing irritability and depression.
- Improves energy and alertness.



### Smart Air flow

Smart supply air flow for comfort cool and heat as per selected mode for optimal air distribution of supply air temperature and velocity inside the air conditioned space.

- During cool mode, the supply air flap is opened counter-clockwise, which leads the supply air to blow out horizontally and then fall down by its gravitation. This results in effectively reducing the temperature difference between top and bottom air space and achieve uniform temperature inside the room in the fastest way.



Cool Mode



### Temperature Compensation

Based on different installation height of indoor unit, the temperature deviation of the sensor sensed against the actual floor temperature always is different. Smart control of indoor unit can compensate the deviation.

- Usually during cool mode, the ceiling temperature ( which the indoor room sensor detects ) is lower than the floor temperature ( which the body feels ) by about 2°C. Temperature compensation function adjusts the set to floor temperature thereby offering better comfort level in the cooling mode.



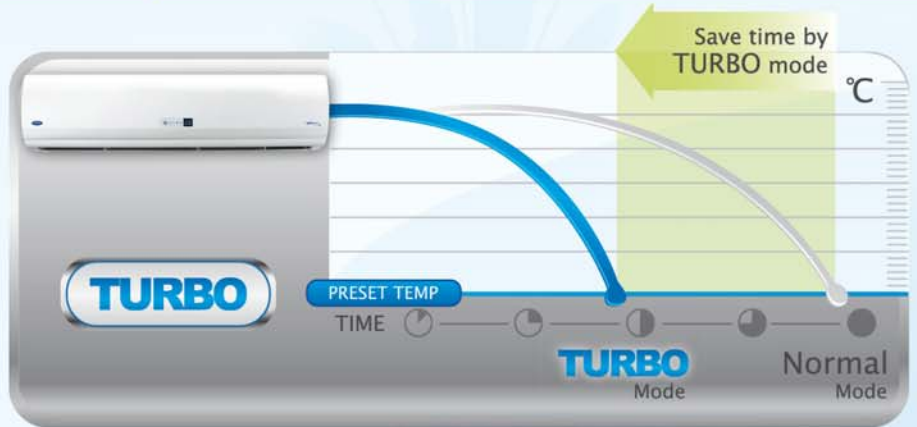
Cool Mode

## Key Features

### Turbo Function

Turbo function is used when you first come home or when you have unexpected guests. When Turbo function is activated, the air conditioner operates in its maximum speed for 20 minutes to maximize the output of cooling capacity.

Carrier Turbo cooling technology makes your room cool down rapidly, and attain the desired temperature in the shortest time.



### Follow Me Function (36K)

When Follow Me function is activated, the room temperature sensor built in the remote control is activated and replaces the sensor of the indoor unit.

Then the air conditioner regulates the room temperature based on the temperature around the remote control. Carrier Follow Me technology makes your air conditioner follow you for smart comfortable temperature.



Normal Operation

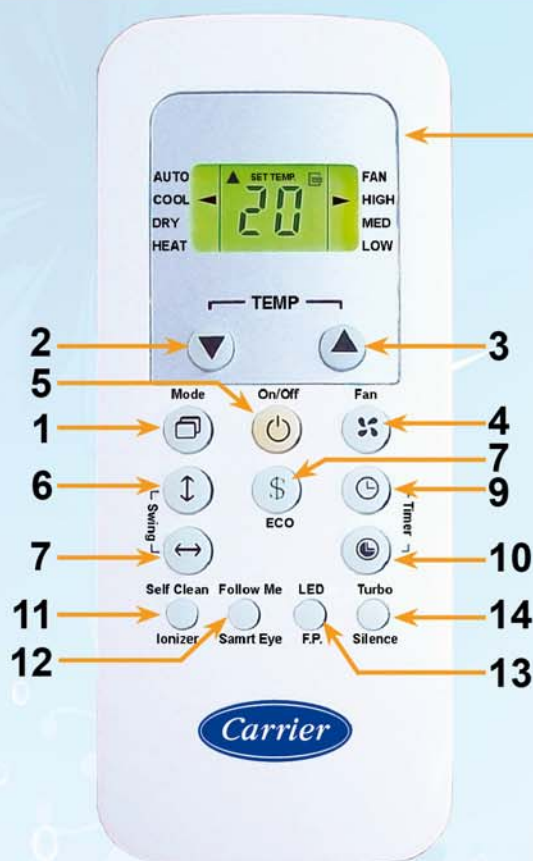
Operation with Follow Me Function

### ECO (SLEEP) Function

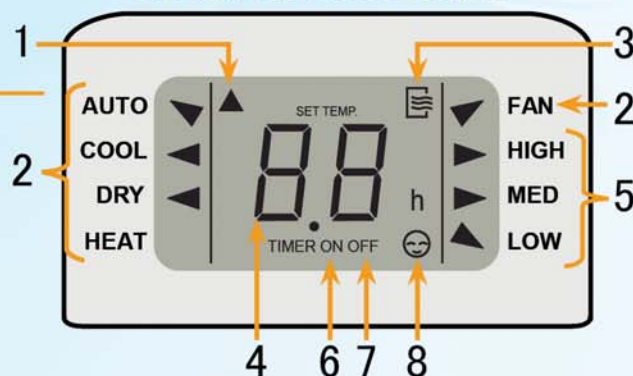
- ECO (Sleep) function is useful when you go to sleep. This function is useful for energy saving, quiet and comfortable healthy sleep.
- When ECO (Sleep) function is activated the air conditioner changes the set temperature automatically which in turn changes the room temperature automatically to maintain the most comfortable temperature and to avoid overcooling during cool mode or overheating during heat mode.



## Wireless Remote Control For Size 30K



### Display Of Remote Control

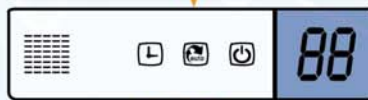


1	Signal transmission indicator
2	MODE indicator
AUTO	Automatic
COOL	Cooling
DRY	Dehumidification only
FAN	Ventilation (fan only)
3	ON / OFF indicator
4	SET TEMP. indicator
5	FAN SPEED indicator
LOW	FAN SPEED indicator LOW
MED	FAN SPEED indicator MED
HIGH	FAN SPEED indicator HIGH
AUTO	FAN SPEED indicator AUTO
6	TIMER ON function indicator
7	TIMER OFF function indicator
8	FOLLOW ME function indicator

### Control Buttons

1	MODE selection button AUTO - COOL - DRY - FAN
2	Decrease temperature button The set temperature is decreased down to 17°C.
3	Increase temperature button The set temperature is increased up to 30°C.
4	FAN selection button Low - Medium - High - Auto fan speed
5	ON/OFF button
6	Vertical Air Flow Auto Swing
7	Horizontal Air Flow Auto Swing *
8	ECO function button
9	TIMER ON function button
10	TIMER OFF function button
11	Self Clean function button *
12	Ionizer function button
12	Follow Me function button *
12	Smart Eye function button *
13	LED Display function button
13	F.P. function button *
14	TURBO function button
14	Silence function *

### Display Of Indoor Unit

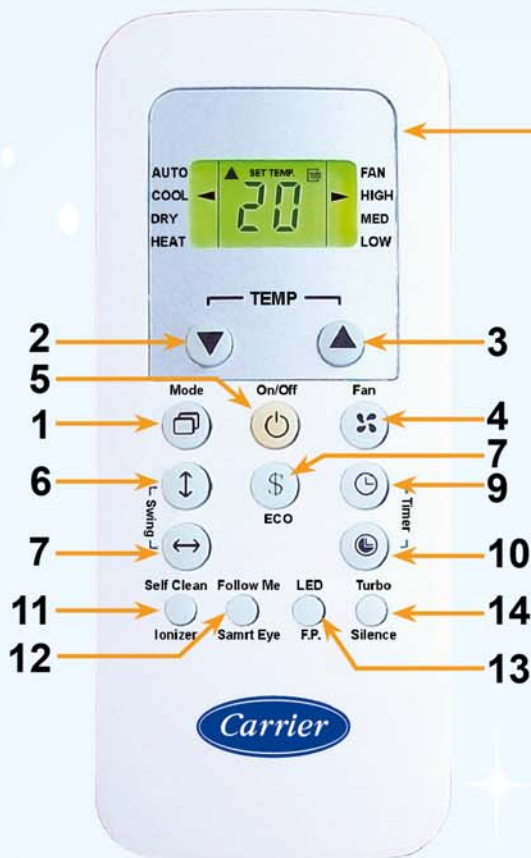


Cool Only

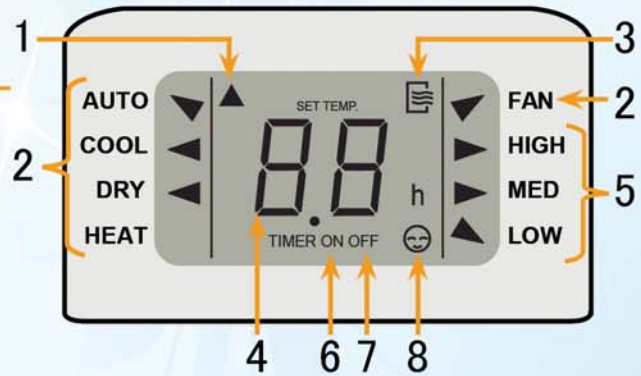
88	SET TEMP. led
	OPERATION led
	AUTO mode led
	TIMER function led
	Cold Draft or Defrost led
	Remote control signal receiver

Note : \* This function does not work with this product but works with other products

## Wireless Remote Control For Size 36K



### Display Of Remote Control



1 Signal transmission indicator

2 MODE indicator

AUTO Automatic

COOL Cooling

DRY Dehumidification only

FAN Ventilation (fan only)

3 ON / OFF indicator

4 SET TEMP. indicator

5 FAN SPEED indicator

LOW FAN SPEED indicator LOW

MED FAN SPEED indicator MED

HIGH FAN SPEED indicator HIGH

AUTO FAN SPEED indicator AUTO

6 TIMER ON function indicator

7 TIMER OFF function indicator

8 FOLLOW ME function indicator

### Control Buttons

1	<b>MODE selection button</b> AUTO - COOL - DRY - FAN
2	<b>Decrease temperature button</b> The set temperature is decreased down to 17°C.
3	<b>Increase temperature button</b> The set temperature is increased up to 30°C.
4	<b>FAN selection button</b> Low - Medium - High - Auto fan speed
5	<b>ON/OFF button</b>
6	<b>Vertical Air Flow Auto Swing</b>
7	<b>Horizontal Air Flow Auto Swing</b>
8	<b>ECO function button</b>
9	<b>TIMER ON function button</b>
10	<b>TIMER OFF function button</b>
11	<b>Self Clean function button *</b>
	<b>Ionizer function button</b>
12	<b>Follow Me function button</b>
	<b>Smart Eye function button *</b>
13	<b>LED Display function button</b>
	<b>F.P. function button *</b>
14	<b>TURBO function button</b>
	<b>Silence function *</b>

Note : \* This function does not work with this product but works with other products

### Display Of Indoor Unit



Cool Only

88 SET TEMP. led

OPERATION led

AUTO mode led

TIMER function led

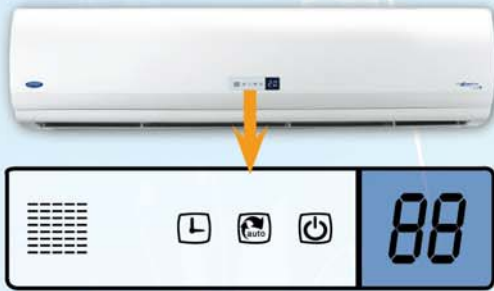
IONIZER function led

Remote control signal receiver

## Smart Self Diagnostic Function For Malfunction Detection

The electronic printed circuit board in the indoor unit is equipped with smart self diagnostic function which automatically stops the operation of the air conditioner in case of a malfunction.

### High Wall Split System 53KHET30N2-708F Cool Only

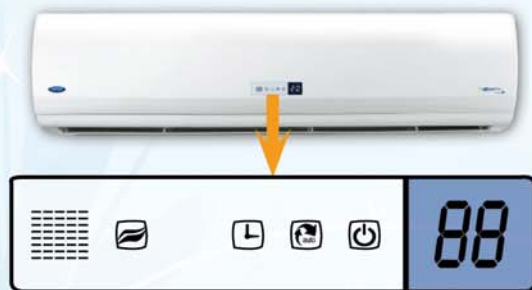


Leds status refers to malfunction reason

- X = OFF
- ☆ = Flash at 5Hz
- ◇ = Flash continuously

Malfunction Reason			
Return Air Sensor ( open or short circuit )	X	X	☆
Indoor Coil Sensor ( open or short circuit )	☆	X	X
Outdoor Unit Protection Works	X	☆	X
Compressor Overload cuts out 4 times	☆	☆	☆
Electronic Control PCB ( EEPROM error )	X	☆	☆
Indoor Unit Communication error	X	☆	X
Refrigerant leak	◇	X	◇

### High Wall Split System 53KHET36N2-708F Cool Only



Leds status refers to malfunction reason

- X = OFF
- ☆ = Flash at 5Hz
- ◇ = Flash continuously

Malfunction Reason			
Return Air Sensor ( open or short circuit )	X	X	☆
Indoor Coil Sensor ( open or short circuit )	☆	X	X
Outdoor Unit Protection Works	X	☆	X
Compressor Overload cuts out 4 times	☆	☆	☆
Electronic Control PCB ( EEPROM error )	X	☆	☆
Indoor Unit Communication error	X	☆	X
Refrigerant leak	◇	X	◇

## Technical Specifications

System type		Cool Only	Cool Only
System model		53KHET30N2-708F	53KHET36N2-708F
Indoor unit model		42KHET30N2-708F	42KHET36N2-708F
Outdoor unit model		38KHET30N2-708	38KHET36N2-708
Cooling capacity @ 35°C / 46°C Ambient	Btu/hr	28250 / 25400	34750 / 30400
	kW	8.28 / 7.44	10.19 / 8.91
Rated input - Cooling @ 35°C / 46°C Ambient		W	2875 / 3876
Rated current - Cooling @ 35°C / 46°C Ambient		A	13.6 / 17.9
E.E.R. - Cooling @ 35°C / 46°C Ambient	Btu/wh	9.83 / 6.55	8.19 / 6.09
	W/W	2.88 / 1.92	2.40 / 1.78
Indoor unit model		42KHET30N2-708F	42KHET36N2-708F
Dehumidification	l/h	3.2	4.2
Nominal air flow (low/med/high)	cfm	619 / 708 / 796	581 / 720 / 888
	m <sup>3</sup> /hr	1050 / 1200 / 1350	985 / 1220 / 1505
Sound Pressure (low/med/high)	dB(A)	46 / 49 / 52	47 / 51 / 54
Net Dimensions (W×H×D)	mm	1250 × 325 × 230	1450 × 340 × 265
Net Weight	kg	18	27
Outdoor unit model		38KHET30N2-708	38KHET36N2-708
Tropical Compressor type		Scroll	Scroll
Refrigerant type / Coupler type		R407C / Flare	R407C / Flare
Sound pressure	dB(A)	64	65
Net Dimensions (W×H×D)	mm	860 × 720 × 350	860 × 720 × 350
Net Weight	kg	79	81
Pipe connection sizes ( inch )	Liquid x Gas	3/8" × 5/8"	3/8" × 3/4"
Maximum pipe length	m	25	25
Maximum height difference	m	10	10
Condensate drain hose diameter	inch	5/8"	5/8"
Recommended Wire Size / No. of Wires from Power Supply to Outdoor Unit	mm <sup>2</sup> ( Qty)	6mm <sup>2</sup> (2 Wires+1 Earth)	6mm <sup>2</sup> (2 Wires+1 Earth)
Recommended Wire Size / No. of Wires between Outdoor Unit and Indoor Unit	mm <sup>2</sup> ( Qty)	1mm <sup>2</sup> (3 Wires+1 Earth)	1mm <sup>2</sup> (3 Wires+1 Earth)
Power supply	V/ph/Hz	220-240/1/50	220-240/1/50

\* **Cooling Capacity and Energy Efficiency Ratio (EER) based on ISO 5151, UAE.S ISO 5151:2011 & UAE.S 5010:2011 Standards :**  
 35°C ambient Temperature.      27/19°C db/wb Indoor Temperature.      230 volts power supply.      High Air Flow

\* **Cooling Capacity and Energy Efficiency Ratio (EER) based on ISO 5151, UAE.S ISO 5151:2011 & UAE.S 5010:2011 Standards :**  
 46°C ambient Temperature.      29/19°C db/wb Indoor Temperature.      230 volts power supply.      High Air Flow

\* **Systems work in cooling at high ambient temperature up to 52°C**

\* **Cooling Capacity & EER tolerances 5%**

\* **Systems comply with Safety Standards IEC 60335-2-40**

\* **Carrier is committed to continuously improving its products according to national and international standards to ensure the highest quality and reliability standards, and to meet market regulations and requirements.**

**All specifications subject to change without prior notice according to Carrier policy of continuous development.**