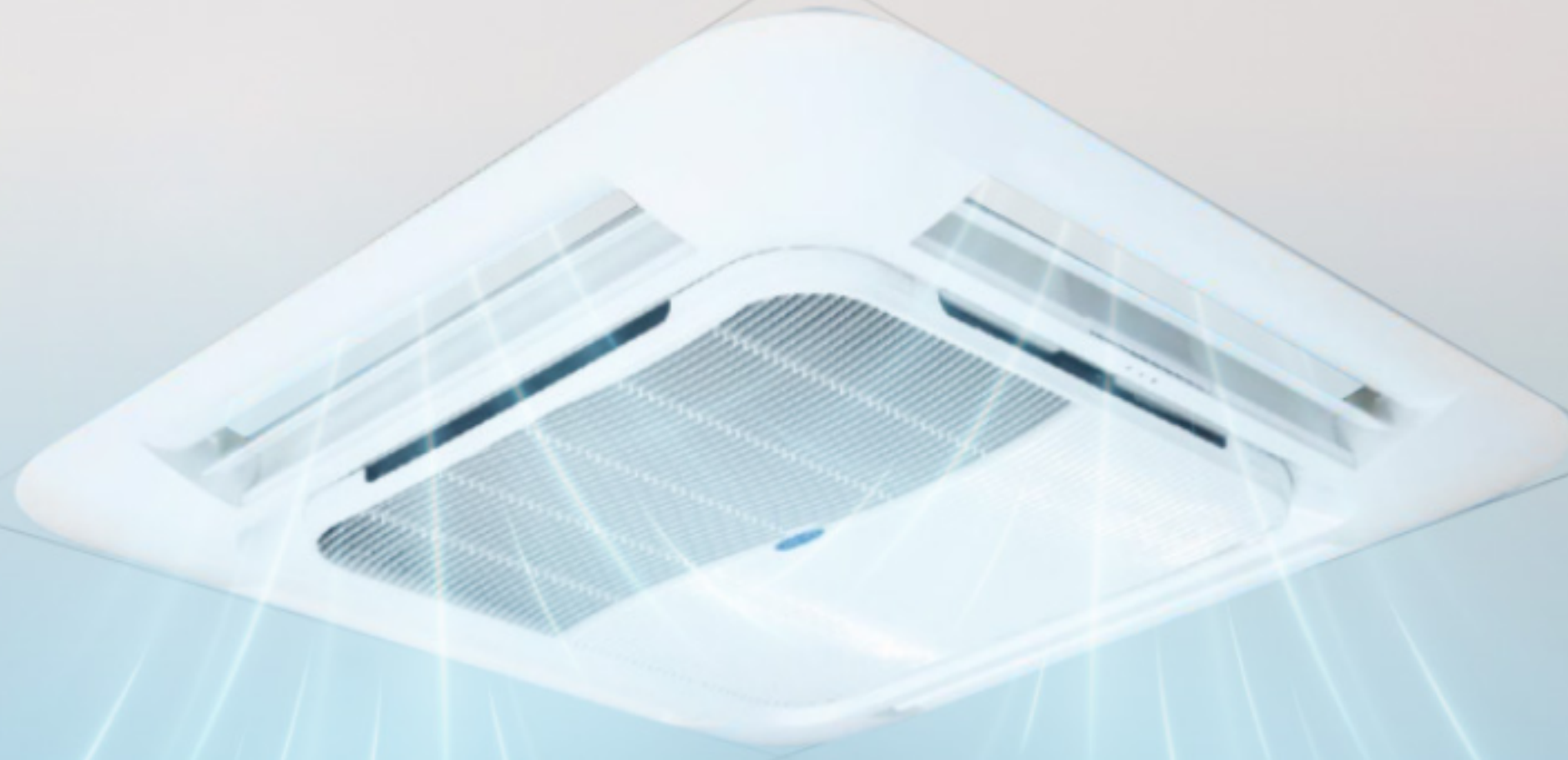




Carrier Cassette

Innovative Cooling with R32.
Redefining Spaces, Reducing Impact.

About Us



We are the leading provider of heating, ventilating, air conditioning and refrigeration systems, building controls and automation, and fire and security systems.



We operate 51 factories and 39 research & design centers worldwide with more than 53,000 employees serving customers in more than 180 countries.



We actively share expertise to promote environmental stewardship



We were a founding company number one of the U.S. Green Building Council in 1993.



Our sample landmark installations include The Sistine Chapel – Vatican, Galleria degli Uffizi – Italy, and The Great Library of Alexandria – Egypt.



Providing smart and sustainable solutions with Made-in-India products, our comprehensive range of offerings is suitable for varied customer applications.



Carrier

Key Attributes



Building Management Systems (BMS) Compatibility

- ✓ Provides easy and efficient operation.
- ✓ Integrated control through the RS485 communication port.

- ✓ Ensures better comfort.
- ✓ Indoor unit's fan speed automatically toggles based on the temperature difference between the room temperature and set temperature.

Auto Mode



Carrier

Key Attributes

Starts automatically in case of a power failure.



Preserves all previous settings with the memory function before the power failure.



Auto Restart Function



Ensures comfortable sleep and power savings at night.



Automatically regulates the temperature.

Sleep Mode

Key Attributes



IDU Designed for Maximum Comfort

- Prioritizes comfort, especially in high-occupancy situations.
- Delivers an optimal indoor environment.
- Significantly enhances airflow.



Energy Saver Mode

- Enables selection of default optimum conditions.
- Provides better comfort and energy savings.



Green Refrigerant

- Uses R32, a low GWP refrigerant.
- Applied in all models for greater efficiency.
- Addresses the issue of global warming.

Carrier

Key Attributes



Auto ON/OFF timer can be set as per the user's requirement and desire comfort level.

High-Performance Condensate Drain Pump



Enhanced pump design for better lift to throw out water quickly.



A safety float is incorporated in the drain pump to monitor its water level.

Carrier

Key Attributes

- All three-phase supply units are equipped with a phase sequence protection device.
- Safeguards the compressor from reverse phase sequencing.



**Three-Phase
Reverse
Protection***



**Fresh Air
Renewal**

- Improves Indoor Air Quality (IAQ).
- Eliminates staleness from the air.
- Allows fresh air from outside to mix with the supply air in the room.
- Helps you stay healthy.

*Applicable to select models only



Key Attributes



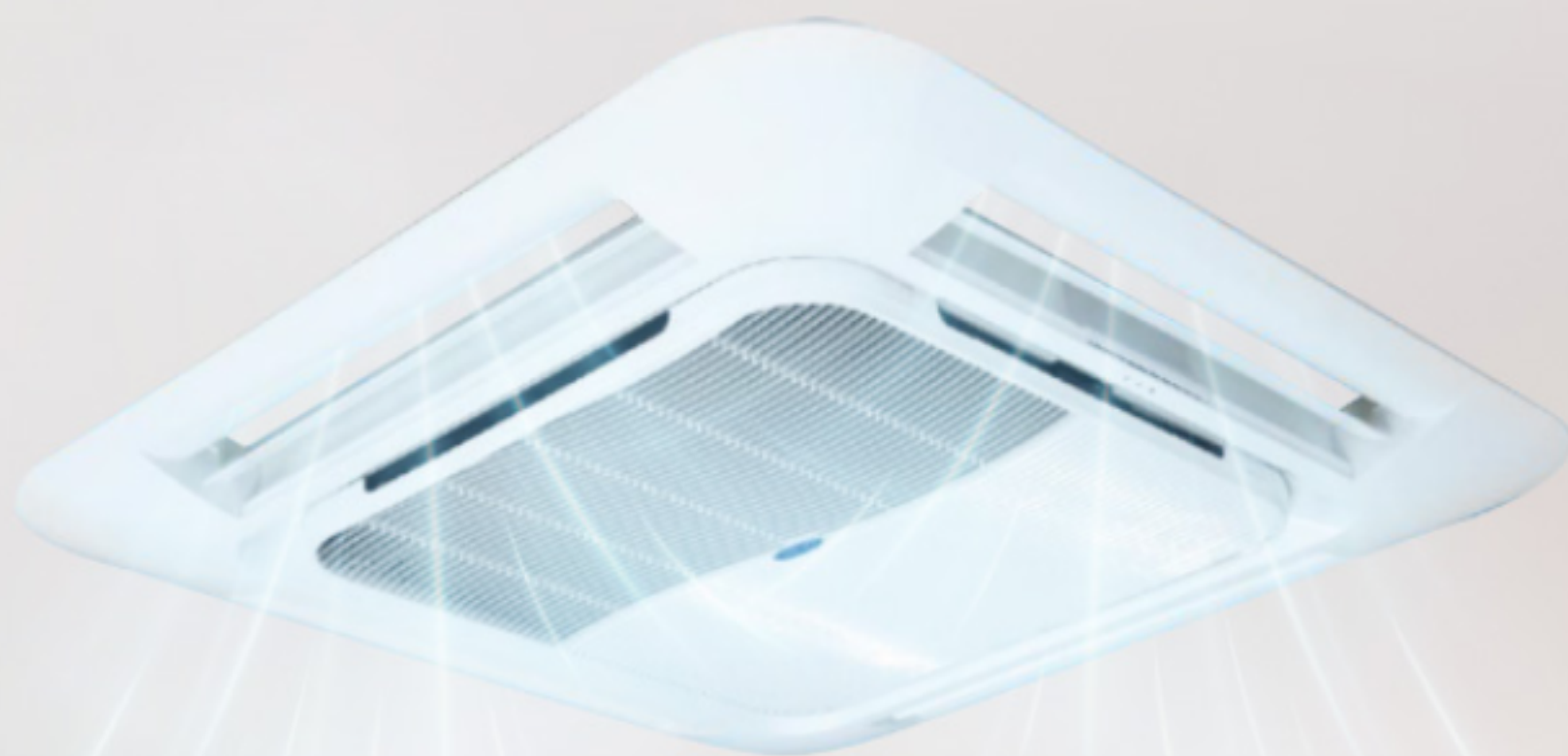
Self Diagnosis

- Displays errors in the form of codes.
- Facilitates ease of service and troubleshooting.



Easy Installation

- Delivers easy and flexible installation.
- Features specially designed compact indoor unit engineering.
- Includes I-shaped suspension brackets and a light outdoor unit.



Key Attributes



Silent Operation

- Provides a quiet and comfortable ambience.
- Uses anti-vibration pads and a specially designed motor.
- Includes placement of the throttling device in the ODU.



Corrosion Resistant

- Withstands rigorous environments.
- Outdoor unit casing is made of powder-coated sheet metal.

Key Attributes

Superior Heat Exchange



- Ensures enhanced coil heat exchange efficiency.
- Utilizes a lanced fin and inner grooved copper tubes.
- Designed with reduced tube diameter and increased surface area for better transfer.



Easy Maintenance

- Facilitates easy service and maintenance.
- Includes easily removable air filter and blower in the indoor unit.
- Features service valves in the outdoor unit.

Carrier

Cordless Remote Controller

Features:

- LCD Display
- Unit ON/OFF
- Auto ON/OFF Timer
- Sleep Mode
- Energy Saver Mode
- Turbo Mode
- Daily Setting For Timer
- Real Time Clock Setting
- Louver Swing Operation
- Set Temperature (Increase/Decrease)
- Mode of Operation (Cool/Fan/Dry)
- Fan Speed Selection (Low/Medium/High)



Technical Specifications

PARAMETER CATEGORY	UNIT	18K	24K	36K	45K
Model No. (Indoor Unit)		40GKX-018EA	40GKX-024EA	40GKX-036EA	40GKX-045EA
Model No. (Outdoor Unit)		51MSG-018ER1A	51MSG-024ER1A	51MSG-036ER3A	51MSG-045ER3A
Nominal Cooling Capacity	Watts	5,300	7,033	10,551	13,480
Star Rating	Star	2	2	2	1
ISEER	W/W	3.52	3.55	3.20	3.05
Rated Power Supply	V-Ph-Hz	230 ±10% - 1-50	230 ±10% - 1-50	400 ±10% - 3-50	400 ±10% - 3-50
Weight (Indoor/Outdoor/Grille)	kg	27.5/38/5	28/47/5	32/75/5	33/75/5
Airflow Rate	CFM	590	730	950	1,070
	CFM	1,002	1,240	1,615	1,819
Fan Motor (Indoor Unit)	Type	1PH, AC, 3-Speed	1PH, AC, 3-Speed	1PH, AC, 3-Speed	1PH, AC, 3-Speed
Fan Motor (Indoor Unit)	Rating/Speed	27W/425RPM	32W/515RPM	70W/630RPM	72W/820RPM
Fan Motor (Outdoor Unit)	Type	1PH, AC, 1-Speed	1PH, AC, 1-Speed	1PH, AC, 1-Speed	1PH, AC, 1-Speed
Fan Motor (Outdoor Unit)	Rating/Speed	56W/1,010RPM	68W/780RPM	106W/920RPM	240W/1,240RPM
Compressor Type		Single Rotary	Single Rotary	Twin Rotary	Twin Rotary
Flare Connection : Liquid Line	inch	1/4"	1/4"	3/8"	3/8"
Flare Connection : Gas Pipe	inch	1/2"	5/8"	5/8"	3/4"
Max. Piping Length	m	20	20	30	30
Max. Piping Elevation	m	10	10	10	10
Refrigerant Type	R32				
Refrigerant Quantity (Factory Charged)	Gms	800	1,180	1,120	1,530
Refrigerant Quantity Extra Charged Beyond 7.5m (Field Charged)	Gms/meter	15	20	22	27



Technical Specifications

PARAMETER CATEGORY			UNIT	18K	24K	36K	45K
OVERALL SIZE	Indoor Unit	Height	cm	29.8	29.8	29.8	29.8
		Width	cm	82.5	82.5	82.5	82.5
		Depth	cm	82.5	82.5	82.5	82.5
	Grille Unit	Height	cm	3	3	3	3
		Width	cm	96	96	96	96
		Depth	cm	96	96	96	96
	Outdoor Unit	Height	cm	53.7	66.7	82	82
		Width	cm	76.2	90.7	90.4	90.4
		Depth	cm	32.6	32.6	32.5	32.5
INDOOR	Sound Data @50Hz	High	dB(A)	40	43	49	53
		Medium		37	41	47	49
		Low		35	38	45	46

Note:

1. Rated cooling are based on the following conditions: Return air temp.: DBT 27°C Outdoor air temp.: 35°C Refrigerant piping: 5m (16.4ft)
2. All units are tested as per IS 1391 (Part II) guidelines & rated airflow rate is measured at high speed in fan mode.



Thank You

Note:

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