



# Cassette



# Carrier India



Dr. Willis Carrier

Carrier is a part of UTC Climate, Controls and Security, a unit of United Technologies Corp.(UTC), a leading provider to the aerospace and building systems industries worldwide. UTC was ranked at 151<sup>st</sup> position in Fortune 500 list of global corporations in 2014.

Built on Dr. Willis Carrier's invention of modern air conditioning in 1902, Carrier's research, expertise and innovation have resulted in market leading solutions. We recognize the vital importance of maintaining a responsible balance between the comfort we create today and the world we live in tomorrow. Millions of people trust Carrier's leadership in delivering efficient solutions. To know more, please visit <http://www.carrier.com>.

Over the years, Carrier India has significantly contributed in promoting sustainability. Carrier is the only company in the world to be a founding member of the Green Building Councils of the U.S., Argentina, China, India, Singapore and France. In fact, Carrier was instrumental in launching the U.S. Green Building Council® (USGBC) in 1993 and was the first company in the world to join the organization.



## AdvanTEC

It invests in R&D resources to advance energy efficiency, ozone layer protection and low global warming technologies in its products. Carrier's AdvanTEC Solutions Center is a natural evolution of Carrier's approach to sustainability and supports customers around the world in developing strategic, energy-efficient and custom-engineered building solutions.

Carrier's efforts in promoting sustainability can be quantifiably measured by means of the Carrier CO2NSERVATION Meter, which meticulously calculates the avoided greenhouse emissions with the help of Carrier products, globally since 2000. To know more about the Carrier CO2NSERVATION Meter, please visit <http://www.naturalleader.com>.



ACE(Achieving Competitive Excellence) is our proprietary operating system to ensure world-class quality in our products and processes. With its relentless focus on increasing efficiency and reducing waste, ACE is integral to the company's performance model. The company's facilities worldwide are using the operating system to improve quality and customer satisfaction while lowering cost.

Carrier's presence in India dates back to 1986, when Carrier India was established. In the year 1988, the first manufacturing facility was commissioned in Gurgaon, Haryana. Spread in an area of 19 acres, this state-of-the-art facility consists of highly automated manufacturing unit, an excellent R&D Center and an advanced Quality Clinic. Currently, products manufactured in this facility include Cassettes, Ducted Splits, Package Units, Air Cooled & Water Cooled Screw Chillers, Air Cooled & Water Cooled Reciprocating Chillers, Fan Coil Units, Air Handling Units, Refrigeration products and Fire & Security products.

### Snapshots of Carrier India manufacturing facility



Our comprehensive Environment, Health & Safety (EH&S) program establishes a framework and provides tools for implementing our EH&S practices into our business & culture. The Carrier Gurgaon facility holds a distinctive record of delivering over 26 million man hours without a lost work day incident, clearly citing the measures of safety followed here.

Carrier India has 23 sales and service offices, more than 800 sales and service channel partners - throughout the country, ensuring efficient solutions and quality services at customer's doorstep. To know more visit <http://www.carrierindia.com>.



## Features & Benefits



### Auto Mode

For better comfort enable this mode in which indoor unit fan speed automatically toggles as per the temperature difference between room temperature and set temperature.



### Auto Restart Function

In case of power failure, earlier settings are restored. The unit starts automatically with all previous settings preserved by the memory function before the power failure.



### Sleep Mode

Ensures comfortable sleep and power saving at night by automatically regulating temperature.



### Auto Timer

Auto ON/OFF timer can be set as per user requirement to meet comfort level.



### High Performance Condensate Drain Pump

Helps drain out condensate water quickly to outside premises.



### Hydrophilic Blue Aluminium Fins

No accumulation of condensate water hence safeguarding AC performance.



### Three Phase Reverse Protection

All the three phase supply units are equipped with phase sequence protection device to safeguard the compressor from reverse phase sequencing



### Fresh Air Renewal\*

Improves Indoor Air Quality (IAQ). Eliminates staleness from the air, and helps you stay healthy by allowing fresh air from outside to mix with the supply air in the room.

\*Available as per customer requirement

## Features & Benefits



### Self Diagnosis

Displays error in form of codes for ease of service and trouble shooting.



### Easy Installation

Specially designed compact indoor unit with t-shaped suspension brackets and light outdoor unit makes installation easy and flexible.



### Silent Operation

Quiet and comfortable ambience with the help of anti vibration pads, specially designed motor and placement of throttling device in the ODU.



### Corrosion Resistant

Designed to stand in rigorous environment. The outdoor unit casing is made of powder coated sheet metal.



### Easy Maintenance

Easily removable air filter and blower in indoor unit. Service valves provided in outdoor unit facilitate easy service and maintenance.



### Superior Heat Exchange

Enhanced coil heat exchange efficiency, with application of Lanced fin and inner grooved copper tubes.



### Contemporary Panel Design

New panel design for enhanced aesthetics and improved air flow



### Energy Saver Mode

Energy saver mode enables user to select default optimum conditions for better comfort and also helps in energy saving.






## Cordless Remote Controller

### Features :

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

## Technical Specifications

PARAMETER \ Category		Unit	TECHNICAL SPECIFICATION: REFRIGERANT - R22						
			1.5 TR - 2 Star	1.5 TR - 3 Star	2.0 TR - 2 Star	2.0 TR - 3 Star	3.0 TR	4.0 TR	
GENERAL	Model No (Indoor Unit)		40GKX-018RG	40GKX-018RH	40GKX-024RG	40GKX-024RH	40GKX-036RD	40GKX-048RD	
	Model No (Outdoor Unit)		51MSG-018RRG	51MSG-018RRH	51MSG-024RRG	51MSG-024RRH	51MSG-036RSA	51MSG-048RSA	
	Nominal Cooling Capacity	Watts	5276	5510	7035	7236	10551	13775	
	BEE Star Rating						-	-	
	ISEER	W/W	3.40	3.60	3.38	3.60			
	Rated Power Supply - Indoor Unit	V-Ph-Hz	230 ± 10% - 1 - 50	230 ± 10% - 1 - 50	230 ± 10% - 1 - 50	230 ± 10% - 1 - 50	230 ± 10% - 1 - 50	230 ± 10% - 1 - 50	
	Rated Power Supply - Outdoor Unit	V-Ph-Hz	230 ± 10% - 1 - 50	230 ± 10% - 1 - 50	230 ± 10% - 1 - 50	230 ± 10% - 1 - 50	400 ± 10% - 3 - 50	400 ± 10% - 3 - 50	
	Net Weight - Indoor / Outdoor / Grille	Kgs	38/55/5	38/55/5	38/55/5	38/55/5	38/72/5	40/77/5	
	Air Flow Rate	CFM	590	590	730	730	950	1070	
		CMH	1003	1003	1241	1241	1615	1819	
	Fan Motor (Indoor Unit)	# of Speeds	3	3	3	3	3	3	
	Fan Motor (Outdoor Unit)	# of Speeds	1	1	1	1	1	1	
	Compressor Type		Rotary	Rotary	Rotary	Rotary	Scroll	Scroll	
	Flare Connection : Liquid Line	Inch	1/4"	1/4"	1/4"	1/4"	3/8"	3/8"	
Flare Connection : Gas pipe	Inch	5/8"	5/8"	5/8"	5/8"	3/4"	3/4"		
OVERALL SIZE	Indoor Unit	Height	mm	298	298	298	298	298	
		Width	mm	825	825	825	825	825	
		Depth	mm	825	825	825	825	825	
	Grille Unit	Height	mm	30	30	30	30	30	
		Width	mm	960	960	960	960	960	
		Depth	mm	960	960	960	960	960	
	Outdoor Unit	Height	mm	820	820	820	820	820	
		Width	mm	904	904	904	904	904	
		Depth	mm	325	325	325	325	325	
INDOOR	Sound Data @ 50Hz	Hi		40	40	46	46	46	53
		Med		37	37	43	43	42	47
		Low		35	35	40	40	39	43

Note : All units tested as per IS 1391 Part 2 guidelines  
 Star ratings as per BEE Standards & Labelling Program 2018-19  
 Airflow measured is at high fan speed in fan mode

## Technical Specifications

PARAMETER \ Category		Unit	TECHNICAL SPECIFICATION: REFRIGERANT - R410A					
			1.5 TR	1.5 TR	2.0 TR	3.0 TR	4.0 TR	
GENERAL	Model No (Indoor Unit)		40GKX-018GF	40GKX-018GG	40GKX-024GF	40GKX-036GD	40GKX-048GD	
	Model No (Outdoor Unit)		51MSG-018GRF	51MSG-018GRG	51MSG-024GRF	51MSG-036GSD	51MSG-048GSB	
	Nominal Cooling Capacity	Watts	5276	5580	6700	10551	13775	
	BEE Star Rating					-	-	
	Rated Power Supply - Indoor Unit	V-Ph-Hz	230 ± 10% - 1 - 50	230 ± 10% - 1 - 50	230 ± 10% - 1 - 50	230 ± 10% - 1 - 50	230 ± 10% - 1 - 50	
	Rated Power Supply - Outdoor Unit	V-Ph-Hz	230 ± 10% - 1 - 50	230 ± 10% - 1 - 50	230 ± 10% - 1 - 50	400 ± 10% - 3 - 50	400 ± 10% - 3 - 50	
	Net Weight - Indoor / Outdoor / Grille	Kgs	38/46/5	38/46/5	38/55/5	38/72/5	40/77/5	
	Air Flow Rate	CFM	590	590	950	950	1070	
		CMH	1003	1003	1615	1615	1819	
	Fan Motor (Indoor Unit)	# of Speeds	3	3	3	3	3	
	Fan Motor (Outdoor Unit)	# of Speeds	1	1	1	1	1	
	Compressor Type		Rotary	Rotary	Rotary	Scroll	Scroll	
	Flare Connection : Liquid Line	Inch	1/4"	1/4"	1/4"	3/8"	3/8"	
Flare Connection : Gas pipe	Inch	5/8"	5/8"	5/8"	3/4"	3/4"		
OVERALL SIZE	Indoor Unit	Height	mm	298	298	298	298	298
		Width	mm	825	825	825	825	825
		Depth	mm	825	825	825	825	825
	Grille Unit	Height	mm	30	30	30	30	30
		Width	mm	960	960	960	960	960
		Depth	mm	960	960	960	960	960
	Outdoor Unit	Height	mm	692	692	820	820	695
		Width	mm	904	904	904	904	1030
		Depth	mm	325	325	325	325	435
INDOOR	Sound Data @ 50Hz	Hi		40	40	46	46	53
		Med		37	37	42	42	47
		Low		35	35	39	39	43

Note : All units tested as per IS 1391 Part 2 guidelines  
 Star ratings as per BEE Standards & Labelling Program 2018-19  
 Airflow measured is at high fan speed in fan mode



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**TOTALINE**

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