

# Carrier India



Dr. Willis Carrier

Carrier is a part of UTC Building & Industrial Systems, 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.



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 17 million man hours without a lost work day incident, clearly citing the measures of safety followed here.

Carrier India has 16 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>.

## Technical Specifications

PARAMETER/CATEGORY	UNIT	Refrigerant - R22				Refrigerant - R410A			
		1.5 TR	2 TR	3 TR	4 TR	1.5 TR	2 TR	3 TR	4 TR
MODEL NO. (INDOOR)		40GKX-01BRC	40GKX-024FC	40GKX-039RC	40GKX-048RC	40GKX-0186E	40GKX-024GD	40GKX-024GE	40GKX-048GC
MODEL NO. (OUTDOOR)		51MSG-01BRRA	51MSG-024ARRA	51MSG-024RRF	51MSG-048RFA	51MSG-0186RE	51MSG-024GRD	51MSG-024GRE	51MSG-048GSB
NOMINAL COOLING CAPACITY	Watts	5276	6741	6696	13775	5100	6477	6448	10651
BEE STAR RATING		5	5	5	5	5	5	5	5
RATED POWER SUPPLY	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	230±10%-1-50	230±10%-1-50
RATED POWER SUPPLY-OUTDOOR	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	230±10%-1-50	230±10%-1-50
NET WEIGHT-INDOOR/OUTDOOR/GRILLE	Kgs	18 / 42 / 2.5	18 / 44 / 2.5	18 / 55 / 2.5	40 / 77 / 5	18 / 46 / 2.5	18 / 55 / 2.5	38 / 72 / 5	38 / 72 / 5
AIR FLOW RATE	m <sup>3</sup> /s	0.21	0.27	0.27	0.45	0.21	0.27	0.45	0.45
FAN MOTOR (INDOOR)	# of Speeds	3	3	3	3	3	3	3	3
FAN MOTOR (OUTDOOR)	# of Speeds	1	1	1	1	1	1	1	1
COMPRESSOR TYPE		Rotary	Rotary	Rotary	Scroll	Rotary	Rotary	Rotary	Scroll
FLARE CONNECTION - LIQUID LINE	cm	0.635	0.635	0.635	0.95	0.635	0.635	0.635	0.95
FLARE CONNECTION - GAS PIPE	cm	1.27	1.59	1.59	1.91	1.27	1.59	1.59	1.91
INDOOR UNIT HEIGHT	cm	29.8	29.8	29.8	29.8	29.8	29.8	29.8	29.8
INDOOR UNIT DEPTH	cm	57.5	57.5	57.5	82.5	57.5	57.5	82.5	82.5
INDOOR UNIT HEIGHT	cm	3	3	3	3	3	3	3	3
GRILLE UNIT WIDTH	cm	72	72	72	96	72	72	96	96
GRILLE UNIT DEPTH	cm	72	72	72	96	72	72	96	96
OUTDOOR UNIT HEIGHT	cm	69.2	69.2	69.2	82	69.2	69.2	82	82
OUTDOOR UNIT WIDTH	cm	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4
OUTDOOR UNIT DEPTH	cm	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5
SOUND DATA @ 50Hz HIGH	dB(A)	44	50	50	46	44	46	46	53
SOUND DATA @ 50Hz MED	dB(A)	39	46	46	42	39	39	42	42
SOUND DATA @ 50Hz LOW	dB(A)	37	42	42	39	37	37	39	39

Note: All units tested as per IS 1391 part 2, guidelines of Bureau of Energy Efficiency. Airflow measured at high fan speed in fan mode.

For more details, please contact our sales office:

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ROYALINE

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# Cassette



United Technologies  
turn to the experts





## 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.



**4-Way Directional Airflow**

Uniform air distribution in room for better comfort through four louvers.



**Energy Saver Mode**

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



## Features



**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



## 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

