

# 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>.



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 14 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							
Model		40HP09		40HP14		40HP18	
Air flow	High Speed	m <sup>3</sup> /s	0.14	0.24	0.28		
	Medium Speed	m <sup>3</sup> /s	0.12	0.20	0.24		
	Low Speed	m <sup>3</sup> /s	0.11	0.18	0.21		
Nominal Cooling Capacity (*1)		kW	2.64	4.07	4.46		
Nominal Heating Capacity (*1)		kW	3.69	5.69	6.30		
Power supply		V-Ph-Hz	22-240-1-50				
Water flow rate (*2)		Ltr/H	454	700	765		
Water pressure drop (*2)		kPa	18	26	29		
Power input		W	40	50	60		
Sound pressure level (*3)		H/M/L	dB(A)	35/29/24	39/33/28	40/34/29	
Valve type		3-way motorized (ON/OFF)					
Fan motor	Type	Low noise 4-speed fan motor					
	Quantity	1					
Fan	Type	Tangential fan					
	Quantity	1					
Coil	Row	2					
	Max. Working pressure	MPa	1.6				
	Diameter	mm	φ7				
Body	Dimensions	WxDxH	cm	91.5x21x29	107x21x31.6		
	Packing	WxDxH	cm	102x30x38.5	118x30x41		
	Net Weight	Kg	12	15			
	Gross weight	Kg	16.7	19			
Pipe Connections	Water inlet/outlet pipe	Inch	G3/4				
	Drain pipe	mm	ODφ20				
Controller		R51/E (standard)					

### Note:

- \*1 Nominal Cooling Capacity: Entering water 7°C, temperature rise 5°C, entering air temperature 27°C DB, 19°C WB  
Heating Conditions : Entering water 50°C, entering air temperature 20°C, the same water flow as the cooling conditions
- \*2 Technical data given for cooling mode at high speed
- \*3 Noise is tested in semi-anechoic test room.



For more details, please contact our Carrier India sales office:



**Factory & Corporate Office:** Carrier Airconditioning & Refrigeration Ltd, Kherki Daula Post, Narsingpur, Gurgaon 122004, Tel: 0124-4825500

**Sales Offices:-** Delhi/NCR: 0124 - 2706000 Ghaziabad: 0120-4183260 Lucknow: 0522-4158703/4158710 Chandigarh: 0172-5007549/ 5007550 Jaipur: 0141-4109080 Indore: 0731-4070378 Mumbai: 022-61700700 Ahmedabad: 079-44820400 Pune: 020-67045100 Kolkata: 033-40524354 Chennai: 044-66448888 Bangalore: 080-43442000 Hyderabad: 040-41100222 Cochin: 0484-4029001/0

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## 40HP CHILLED WATER HI-WALL







## FEATURES AND BENEFITS



### Wide Water Inlet Temperature range

Cooling mode: 3°C ~ 20°C • Heating mode: 30°C ~ 70°C • Dry mode: 3°C ~ 20°C



### Economic Running Mode

Capable of saving large energy bills by running the unit on energy saving mode



### Auto Timer

It sets ON/OFF timer as per user's requirement and adds to user's convenience



### Dry Mode

Improves IAQ (Indoor Air Quality) and provides quick moisture removal in case of humid & sultry surroundings



## FEATURES AND BENEFITS



### Silent Operation

Cross flow fans in the unit provide quiet and comfortable environment



### Easy Maintenance

The front panel of the unit is easily removable providing easy access and hence easy maintenance



### Multi Connection Outlet Pipe

Outlet pipe connections available at the left, right and rear side of the unit. This enables the unit to satisfy the needs of different rooms



### Fresh Indoor Air

Air cleaning equipment and high efficiency filters keep the air inside the room fresh all the time



## WIRELESS REMOTE CONTROLLER

### Features

- LCD display
- Decrease temperature button
- Increase temperature button
- ON/OFF button
- Mode selection button
- Economical running button
- Reset button
- Lock button
- Swing button
- Louver control button
- Auto ON/OFF timer



R51/E

Wireless Standard Remote Controller



R05/BGE

Wired Optional Remote Controller