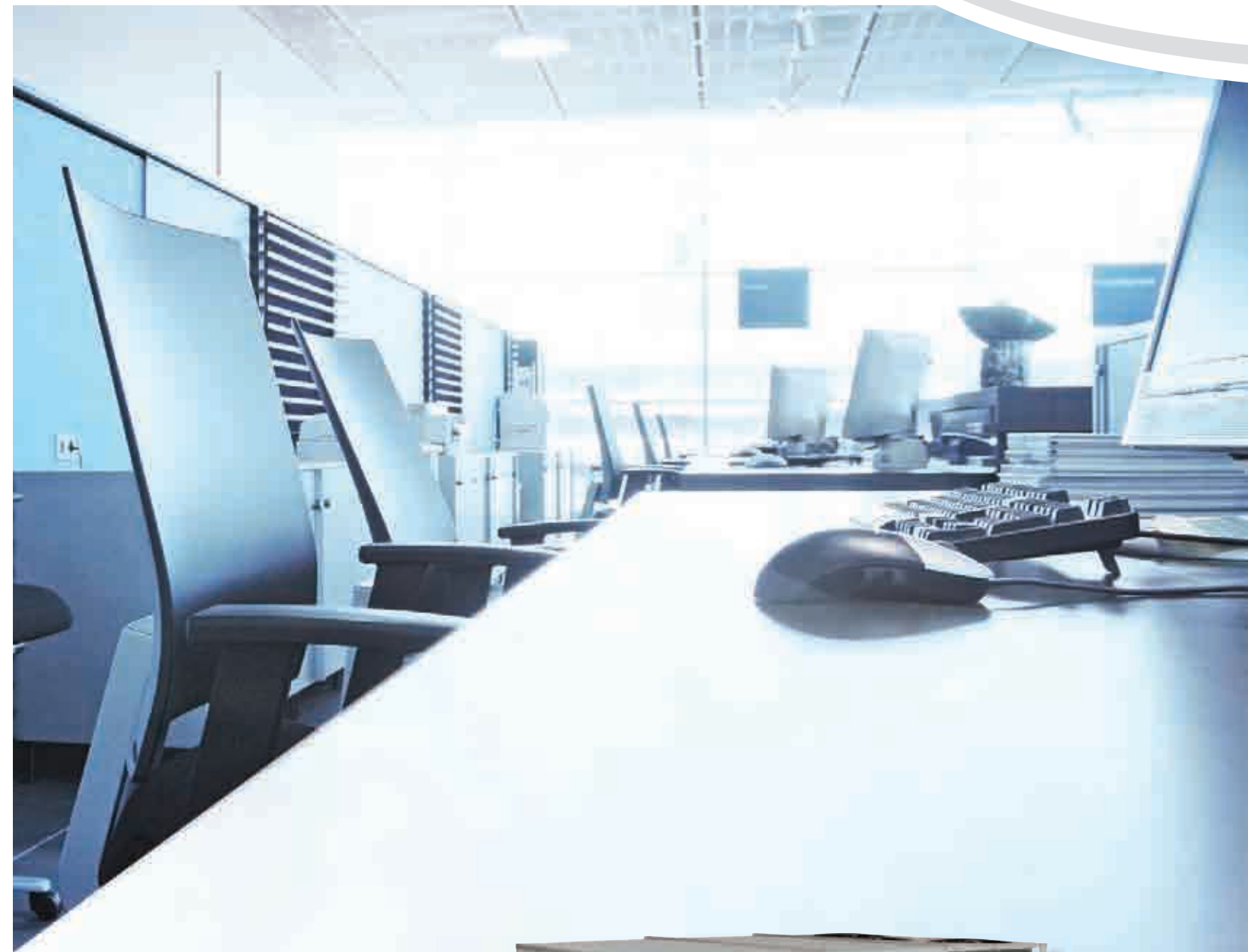




# WeatherMaster® High Efficiency Commercial Packaged Rooftop 3 to 25 Ton



UP TO 28% LIGHTER



\* Shown with optional economizer and louvered hail guards.

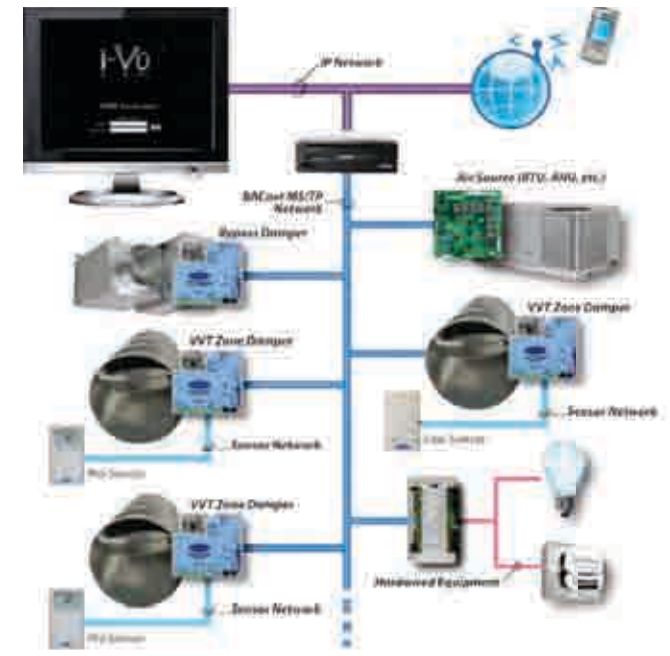
### Turn to the Experts

Truly a leader in innovation, Carrier was the first company to utilize environmentally sound Puron® refrigerant in HVAC units. Without depleting the ozone layer, Puron refrigerant delivers ideal indoor air quality. Today over 2.5 million homes and businesses operate on Puron refrigerant-based HVAC systems. And as emphasis on environmental sensitivity continues to increase, Puron refrigerant will only become more relevant. Puron refrigerant is the refrigerant of the future.



Carrier's RTU Open controller continuously monitors and regulates constant volume rooftop operation with reliability and precision. This advanced controller features a sophisticated, factory-engineered control algorithm that provides optimum performance and energy efficiency. The RTU Open controller also features plug-and-play connectivity to Carrier's i-Vu® Open Control System. The i-Vu Open Control System combines state-of-the-art Carrier equipment, plug-and-play controllers, and the powerful, web-based i-Vu user interface to form a cohesive, intuitive, and fully integrated building automation system (BAS).

For added flexibility, Carrier's RTU Open controller is capable of stand-alone operation. Or, it can be integrated with any BAS utilizing the BACnet®, Modbus®, Johnson Controls® N2 or LonWorks® protocols.



BACnet® is a registered trademark of American Society of Heating, Refrigerating and Air-Conditioning Engineers (ASHRAE).  
 MODBUS is a registered trademark of Gould Inc.  
 LONWORKS is a registered trademark of Echelon Corp.

### The Future of the World Depends on Our Ability... to Sustain it.

As the world's leader in high technology heating, air-conditioning and refrigeration solutions, we believe that market leadership requires environmental leadership. Carrier sets industry standards for environmentally sound business practices and a commitment to sustainability across its products, services and operations. We demonstrate this commitment by creating environmentally responsible solutions that consume less energy and incorporate innovations that improve the world – indoors and out.



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 A member of the United Technologies Corporation family.  
 Stock symbol UTX. Cat. no. 18-848-171-25  
 Manufacturer reserves the right to discontinue, or change at any time, specifications or designs, without notice and without incurring obligations.



# WeatherMaster® High Efficiency and Easy Replacement



Designed with streamlined installation, maintenance and low operating cost in mind, Carrier® WeatherMaster® rooftops from 3 to 25 tons have everything you need.

Available in

- Gas heating/electric cooling
- Electric heating/electric cooling
- Packaged heat pumps

WeatherMaster units up to 10 tons are specifically designed to fit on Carrier-similar roof curbs that were installed up to 23 years ago, which makes replacement easy and eliminates the need for curb adapters or changing utility connections.

Units deliver SEERs as high as 15.8 and EERs up to 12.8. All models are capable of either vertical or horizontal airflow to meet nearly every light commercial application need.

### Streamlined Control and Integration

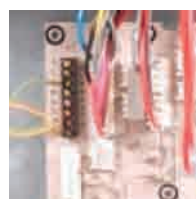
Carrier controllers make connecting WeatherMaster rooftops into existing building automation systems easy. The units are compatible with conventional thermostat controls, Carrier PremierLink™ communicating controls, and the new Carrier RTU Open multi-protocol controller interface with BACnet®, Modbus®, Johnson Controls® N2 or LonWorks® protocols.

WeatherMaster rooftops also seamlessly integrate with Carrier building system options like the Comfort Network® control system and the Carrier VVT® zoning system.

### Easy to Install ...

While WeatherMaster rooftops can be ordered with a wide range of factory pre engineered and certified options like smoke detectors and air management economizers, field installation accessories for these same components feature:

- Simple, fast plug-in connections to the standard integrated terminal board
- Clearly labeled connection points to reduce installation time



Central Terminal Board

### ... and Maintain

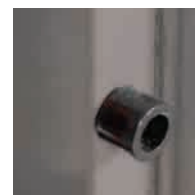
The control board allows for easy troubleshooting and servicing of the system network controller. Conveniently located access panels provide quick, safe access for easy maintenance and service. Attention to details such as handles on all major access panels and screw collars prevent misalignment and stripped threading for faster service.



Door Handles

### Increased Reliability

For increased reliability, heat pump models come standard with a refrigerant suction line accumulator in each refrigerant circuit. This preventive measure stops the natural tendency of liquid refrigerant from entering the compressor as the heat pump switches in and out of defrost and between heating and cooling modes. In addition, units come with high pressure and temperature protection as well as low pressure or loss of charge protection.



No-Strip Screw

### Comfort Control

Carrier's patented Humidi-MiZer® Adaptive Dehumidification system is an all-inclusive factory installed option on gas heating/electric cooling and electric heat/electric cooling models. This system provides reliable, flexible operation to meet indoor part load sensible and latent requirements.



Refrigerant Accumulator

### Optimum Performance

Thermostatic Expansion Valve (TXV) on each refrigerant circuit helps provide optimum performance across the entire unit operating range.



Thermal Expansion Valve

### Gas Heating / Electric Cooling Models – 48HC

Nominal Cooling Ton Size	Cooling Stages	AHRI Efficiency (SEER) EER	Dimensions (in) L x W x H	Gas Heat - Heating Input (MBH)			Approx. Unit Weight (lbs)
				Low	Medium	High	
3	1	(15.0)	74 x 47 x 33	72	115	-	505
4	1	(15.6)	74 x 47 x 41	72	115	150	590
5	1	(15.2)	74 x 47 x 41	72	115	150	600
6	1	12.0	88 x 59 x 41	72	125	150	765
7.5	2	12.0	88 x 59 x 49	125	180	224	925
8.5	2	12.0	88 x 59 x 49	125	180	224	925
10	2	11.5	88 x 59 x 49	180	224	250	1099
12.5	2	12.2	116 x 63 x 57	150	180	240	1430
15	2	12.0	128 x 87 x 49	220	310	400	1892
17.5	2	12.0	141 x 87 x 49	220	310	400	2102
20	2	12.0	141 x 87 x 57	220	310	400	2247
25	2	11.2	158 x 87 x 57	220	310	400	2292

### Electric Heat / Electric Cooling & Cooling Only Models – 50HC

Nominal Cooling Ton Size	Cooling Stages	AHRI Efficiency (SEER) EER	Dimensions (in) L x W x H	Electrical Heat Nominal KW Range	Approx. Unit Weight (lbs)
4	1	(15.6)	74 x 47 x 41	4.4 to 23.0	545
5	1	(15.2)	74 x 47 x 41	6.5 to 26.5	550
6	1	12.2	88 x 59 x 41	6.0 to 26.5	715
7.5	2	12.2	88 x 59 x 49	10.0 to 42.4	860
8.5	2	12.2	88 x 59 x 49	10.4 to 42.4	860
10	2	11.7	88 x 59 x 49	10.0 to 51.0	865
12.5	2	12.4	116 x 63 x 57	15.0 to 51.0	1075
15	2	12.2	128 x 87 x 49	25.0 to 75.0	1793
17.5	2	12.2	141 x 87 x 49	25.0 to 75.0	2003
20	2	12.2	141 x 87 x 57	25.0 to 75.0	2148
25	2	11.4	158 x 87 x 57	25.0 to 75.0	2193

### Packaged Heat Pump Models – 50HCQ

Nominal Cooling Ton Size	Cooling Stages	AHRI Efficiency (SEER) EER	Dimensions (in) L x W x H	@ 47° F		@ 17° F		Approx. Unit Weight (lbs)
				Heating Capacity	(HSPF) COP	Heating Capacity	(HSPF) COP	
3	1	(15.6)	74 x 47 x 33	34,000	(8.00)	18,400	(N/A)	495
4	1	(15.8)	74 x 47 x 41	46,000	(8.10)	23,800	(N/A)	580
5	1	(15.0)	74 x 47 x 41	55,000	(8.20)	28,600	(N/A)	610
6	1	12.0	88 x 59 x 41	70,000	3.40	39,000	2.40	710
7.5	2	12.1	88 x 59 x 49	84,000	3.50	47,000	2.40	875
8.5	2	12.0	88 x 59 x 49	100,000	3.40	56,000	2.26	1020
10	2	12.3	116 x 63 x 57	116,000	3.50	65,000	2.40	1390

BACnet is a registered trademark of American Society of Heating and Air-conditioning Engineers  
Modbus is a registered trademark of Schneider Automation, Inc.  
LonWorks is a registered trademark of Echelon Corporation