



\* Shown with optional economizer and louvered hail guards.

### A Legacy of Training



Willis H. Carrier began training members of the heating, ventilation, air conditioning and refrigeration industry in 1905. Carrier continues to promote technical expertise in the industry with the expansion of its sustainable solutions curriculum and has recently been named a U.S. Green Building Council Education Provider (USGBC EP).

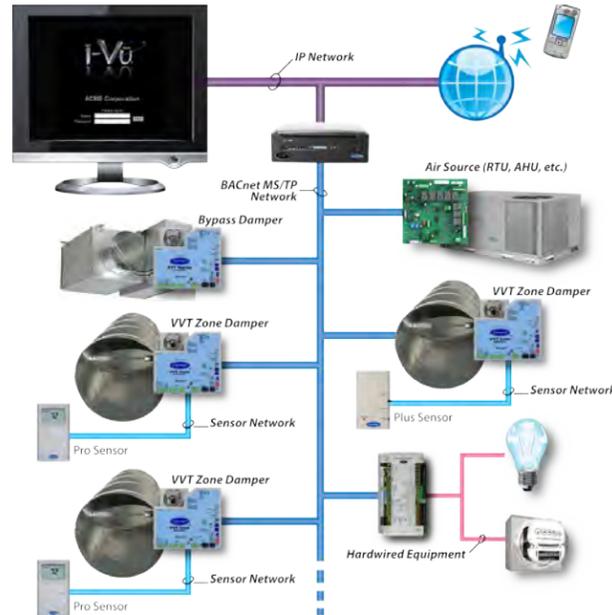
To earn this status, Carrier's course materials were reviewed by a panel of USGBC peers and deemed to provide the high level of quality required for training Leadership in Energy and Environmental Design (LEED®) professionals. The courses and workshops supporting LEED-Accredited Professional and Green Associates credential maintenance are administered through Carrier University.

Carrier's RTU Open controller continuously monitors and regulates the 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.

### 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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 MODBUS is a registered trademark of Gould Inc.  
 LONWORKS is a registered trademark of Echelon Corp.



# WeatherMaker® Commercial Packaged Rooftops 3 to 27.5 Ton



1-800-CARRIER [www.commercial.carrier.com](http://www.commercial.carrier.com)

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 Manufacturer reserves the right to discontinue, or change at any time, specifications or designs, without notice and without incurring obligations.



## Easy to Install, Operate and Service

Designed with streamlined replacement and new construction installation in mind, Carrier® WeatherMaker® rooftops have everything you need from handled access doors to certified and pre-engineered factory installed options and field installed accessories. Most Carrier rooftops are also designed with the same roof curb footprint to fit on older models dating back over 23 years.

Factory and field stocked, WeatherMaker units are available in gas heating/electric cooling, electric heat/electric cooling or packaged heat pumps and deliver SEERs as high as 14.3 and EERs up to 11.3. WeatherMaker rooftops have the capability for vertical or horizontal air flow for fast and easy installation. High-efficiency gas heating (up to 82% efficiency) with induced draft design facilitates long life and safe operation. Carrier WeatherMaker rooftops can satisfy nearly any light commercial application need.

### Scroll Compressors

Each WeatherMaker unit utilizes a fully hermetic scroll compressor. Compressors are designed with internal isolation and have internal thermal line break, current overload and high pressure differential protection.



### Central Terminal Board

Standard on every unit, the integrated central terminal board simplifies the installation of pre engineered and certified field installed accessories, including economizers, by providing clearly labeled connection points for easy plug in connection.



### Easy-Access Handles

Handles located on all major access panels provide quick, convenient and safe access to components for easy maintenance and service.



### No-Strip Screw Collars

To prevent misalignment and stripped metal panels, screws are guided into collars. This increased screw engagement also makes panels easier to remove and replace.



### Unit Safety Protection

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 in heat pumps as they switch in and out of defrost, and between heating and cooling modes.



### Comfort Control

Carrier's 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.

### Easy to Install

- The light and compact design has full-perimeter base rails that help in moving, transporting and rigging.
- WeatherMaker models up to 12.5 tons are specifically designed to fit on Carrier similar roof curbs dating back over 23 years which makes replacement easy and eliminates the need for curb adapters or changing utility connections.
- Models are capable of either vertical or horizontal airflow capabilities to meet nearly every application need.

### Energy Saving – Staged Air Volume (SAV™)

Carrier's Staged Air Volume (SAV) saves energy, installation time and adds comfort by utilizing a variable frequency drive (VFD) to automatically adjust the indoor fan motor speed per ASHRAE 90.1 standard. Available on models with two cooling stages.

# WeatherMaker® Commercial Packaged Rooftops



## Gas Heating / Electric Cooling Models – 48TC

Nominal Cooling Ton Size	Cooling Stages	AHRI Efficiency (SEER) EER	Dimensions (in) L x W x H	Gas Heat - Heating Input (MBUTH)			Approx. Unit Weight (lbs)
				Low	Medium	High	
3	1	(13.0)	74 x 47 x 33	72	115	—	483
4	1	(13.0)	74 x 47 x 33	72	115	150	537
5	1	(13.0)	74 x 47 x 33	72	115	150	569
6	1	11.0	74 x 47 x 41	72	115	150	652
7.5	1	11.0	88 x 59 x 41	125	180	224	780
7.5	2	11.0	88 x 59 x 41	125	180	224	835
8.5	1	11.0	88 x 59 x 49	125	180	224	920
8.5	2	11.0	88 x 59 x 49	125	180	224	930
10	1	11.0	88 x 59 x 49	180	224	250	930
10	2	11.1	88 x 59 x 49	180	224	250	940
12.5	2	10.8	88 x 59 x 49	180	224	250	1167
15	2	10.8	116 x 63 x 57	180	240	350	1380
15*	2	10.8	128 x 87 x 49	220	310	400	1907
17.5*	2	10.8	128 x 87 x 49	220	310	400	1922
20*	2	9.8	141 x 87 x 49	220	310	400	2072
25*	2	9.8	141 x 87 x 57	220	310	400	2197
27.5*	2	10.2	158 x 87 x 57	220	310	400	2320

\*Vertical air flow models

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

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)
3	1	(13.0)	74 x 47 x 33	4.0 to 16.0	438
4	1	(13.0)	74 x 47 x 33	4.4 to 23.0	494
5	1	(13.0)	74 x 47 x 33	6.5 to 26.5	524
6	1	11.2	74 x 47 x 41	6.5 to 26.5	607
7.5	1	11.2	88 x 59 x 41	10.0 to 42.4	705
7.5	2	11.2	88 x 59 x 41	10.0 to 42.4	760
8.5	1	11.2	88 x 59 x 49	10.4 to 42.4	845
8.5	2	11.2	88 x 59 x 49	10.4 to 42.4	855
10	1	11.2	88 x 59 x 49	10.0 to 51.0	855
10	2	11.3	88 x 59 x 49	10.0 to 51.0	865
12.5	2	11.0	88 x 59 x 49	10.0 to 51.0	1075
15	2	11.0	116 x 63 x 57	15.0 to 60.0	1305
15*	2	11.0	128 x 87 x 49	25.0 to 75.0	1808
17.5*	2	11.0	128 x 87 x 49	25.0 to 75.0	1823
20*	2	10.0	141 x 87 x 49	25.0 to 75.0	1973
25*	2	10.0	141 x 87 x 57	25.0 to 75.0	2098
27.5*	2	10.4	158 x 87 x 57	25.0 to 75.0	2196

\*Vertical air flow models

## Gas Heating / Electric Cooling Models – 48KC

Nominal Cooling Ton Size	Cooling Stages	AHRI Efficiency (SEER) EER	Dimensions (in) L x W x H	Gas Heat - Heating Input (MBUTH)			Approx. Unit Weight (lbs)
				Low	Medium	High	
3	1	(14.0)	74 x 47 x 33	72	115	—	490
4	1	(14.0)	74 x 47 x 33	72	115	150	544
5	1	(14.1)	74 x 47 x 41	72	115	150	597

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

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)
				Low	High	
3	1	(14.0)	74 x 47 x 33	4.0 to 15.0	445	
4	1	(14.0)	74 x 47 x 33	4.0 to 23.0	499	
5	1	(14.1)	74 x 47 x 41	6.5 to 25.0	552	

## Packaged Heat Pump Models – 50KCQ

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	(14.0)	74 x 47 x 33	35,600	(8.10)	18,200	N/A	495
4	1	(14.0)	74 x 47 x 41	45,500	(8.00)	23,800	N/A	580
5	1	(14.3)	74 x 47 x 41	58,000	(8.20)	28,600	N/A	610

## Packaged Heat Pump Models – 50TCQ

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	(13.4)	74 x 47 x 33	35,600	(7.70)	18,200	(N/A)	505
4	1	(13.1)	74 x 47 x 33	45,500	(7.70)	23,600	(N/A)	510
5	1	(13.2)	74 x 47 x 41	58,000	(7.70)	31,200	(N/A)	590
6	1	11.1	74 x 47 x 41	67,000	3.30	34,800	2.25	630
7.5	2	11.2	88 x 59 x 49	86,000	3.40	48,000	2.25	885
8.5	2	11.2	88 x 59 x 49	96,000	3.30	54,500	2.25	910
10	2	11.0	88 x 59 x 49	116,000	3.40	62,300	2.25	1050
12.5	2	10.6	116 x 63 x 57	142,000	3.20	76,000	2.05	1370
15	2	10.8	128 x 86 x 49	166,000	3.30	103,000	2.40	1775
20	2	10.6	141 x 86 x 49	220,000	3.30	134,000	2.30	2100