

WeatherMaker® Commercial Package Rooftops



Turn to the Experts.™



WeatherMaker®

MICROCHANNEL COIL TECHNOLOGY: EFFICIENT, STRONG AND FLEXIBLE

Through Novation™, Carrier brings heat exchanger technology – already proven in the automotive field – to the heating, ventilation and air-conditioning (HVAC) industry.

BETTER EFFICIENCY

Novation coil technology delivers high efficiency in compact-size units. Brazed 'fin to flat tube' connections and parallel refrigerant flow design offer excellent heat transfer capabilities.

BETTER STRENGTH

The Novation coil's rugged aluminum design is aesthetically pleasing while providing exceptional durability.

BETTER FLEXIBILITY

The compact design of Novation's microchannel coils results in smaller, more lightweight units that allow for greater flexibility in application. Units with Novation are ideal for replacement or upgrade situations because no additional rooftop space is required and structural impacts are minimized with a lighter unit.

NOVATION™
HEAT EXCHANGER TECHNOLOGY



*Shown with optional economizer and louvered hail guards.

UP TO
28%
LIGHTER



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.



Turn to the Experts.™

GAS HEATING/ELECTRIC COOLING MODELS - 48TC

NOMINAL COOLING TON SIZE	COOLING STAGES	ARI EFFICIENCY (SEER) EER	DIMENSIONS (in) (L x W x H)	GAS HEAT - HEATING INPUT (MBH)			STD 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	810
7.5	2	11.0	88 x 59 x 41	125	180	224	860
8.5	1	11.0	88 x 59 x 49	125	180	224	910
10	1	11.0	88 x 59 x 49	180	224	250	965
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	1116
15	2	10.8	128 x 87 x 49	220	310	400	2022
17.5	2	10.8	128 x 87 x 49	220	310	400	2037
20	2	9.8	141 x 87 x 49	220	310	400	2187
25	2	9.8	141 x 87 x 57	220	310	400	2316

Two Cooling Stage Models Use Novation Heat Exchanger Technology

PACKAGED HEAT PUMP MODELS - 50TCQ

NOMINAL COOLING TON SIZE	COOLING STAGES	ARI EFFICIENCY (SEER) EER	DIMENSIONS (in) (L x W x H)	@ 47° F		@ 17° F		STD UNIT WEIGHT (LBS)
				HEATING CAPACITY	HSPF (COP)	HEATING CAPACITY	HSPF (COP)	
3	1	(13.4)	74 x 47 x 33	35,600	7.7	18,200	7.7	505
4	1	(13.1)	74 x 47 x 33	45,500	7.7	23,600	7.7	510
5	1	(13.2)	74 x 47 x 41	58,000	7.7	31,200	7.7	590
6	1	11.1	74 x 47 x 41	67,000	(3.3)	34,800	(2.25)	630
7.5	2	11.2	88 x 59 x 49	86,000	(3.3)	48,000	(2.25)	885
8.5	2	11.2	88 x 59 x 49	96,000	(3.3)	54,500	(2.25)	910

Three - Five Ton SEER Ratings with X13 (5 Speed/Torque) Motor

ELECTRIC HEAT / ELECTRIC COOLING & COOLING ONLY MODELS - 50TC

NOMINAL COOLING TON SIZE	COOLING STAGES	ARI EFFICIENCY (SEER) EER	DIMENSIONS (in) (L x W x H)	ELECTRICAL HEAT NOMINAL KW RANGE	STD UNIT WEIGHT (LBS)
3	1	(13.0)	74 x 47 x 33	4.0 to 15.0	438
4	1	(13.0)	74 x 47 x 33	4.0 to 20.0	494
5	1	(13.0)	74 x 47 x 33	6.0 to 25.0	524
6	1	11.2	74 x 47 x 41	6.0 to 25.0	607
7.5	1	11.2	88 x 59 x 41	10.0 to 40.0	730
7.5	2	11.2	88 x 59 x 41	10.0 to 40.0	780
8.5	1	11.2	88 x 59 x 49	10.0 to 40.0	830
10	1	11.2	88 x 59 x 49	10.0 to 50.0	885
10	2	11.3	88 x 59 x 49	10.0 to 50.0	850
12.5	2	11.0	88 x 59 x 49	10.0 to 50.0	1030
15	2	11.0	128 x 87 x 49	25.0 to 75.0	1895
17.5	2	11.0	128 x 87 x 49	25.0 to 75.0	1910
20	2	10.0	141 x 87 x 49	25.0 to 75.0	2060
25	2	10.0	141 x 87 x 57	25.0 to 75.0	2189

Two Cooling Stage Models Use Novation Heat Exchanger Technology



EASY TO CONTROL AND OPERATE

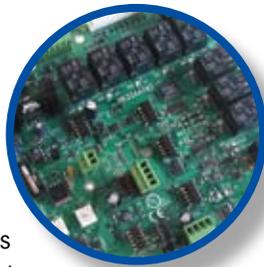
Organized and intuitive unit design and control systems make for straightforward operation, troubleshooting and management of the WeatherMaker® rooftop unit.

- High-efficiency gas heating (up to 82% efficiency) with induced draft design ensures long life and safe operation.
- Compatible with conventional thermostat controls, Carrier Comfort Network® PremierLink™ communicating controls and Carrier's new multi-protocol open controller interface with BACNET, MODBUS¹, Johnson Controls N2 or LONWORKS² protocols.

STREAMLINED INTEGRATION

Open protocol controllers make inclusion into existing building automation systems easy.

- VVT® zoning system by Carrier, which maximizes comfort while minimizing utility costs, can also be connected as an additional control.



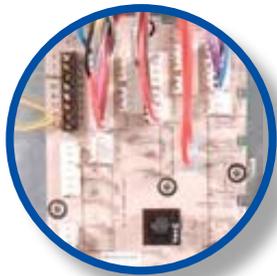
CENTRALIZED CONTROL CENTER

Integrated control board containing logic for system network controller, unit safeties and factory installed options, (such as smoke detectors, disconnect switch, and integrated economizers) provides easy troubleshooting, installation and servicing.



PLUG AND PLAY ACCESSORY BOARD

When it comes to installing accessories, including economizers, the new integrated terminal makes it simple. This feature comes standard on every unit.



EASY TO SERVICE

EASY-ACCESS HANDLES

Handles located on all major access panels provide quick, convenient and safe access to serviceable components.



NO-STRIP SCREW COLLARS

Screws are guided into collars, preventing misaligned and stripped metal panels. Because of better screw engagement, panels are easier to remove and replace.

REMOVABLE UNIT PLUG

A removable plug allows easy access for gauge lines to read compressor pressures without removing panels. This allows more accurate readings and diagnosis.



EASY TO INSTALL

- The WeatherMaker® rooftop was designed with streamlined installation in mind – whether it's for replacement or new construction.
- The light and compact WeatherMaker rooftop 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 23 years. This makes replacement easy and eliminates the need for curb adapters or changing utility connections.
- Units are available in both Vertical and Horizontal air flow duct configuration making it easy to adapt to many new or replacement applications.

¹ MODBUS is a trademark owned by Gould Inc.

² LONWORKS is a trademark owned by Echelon Corp.

³ LEED is a registered trade mark of U.S.Green Building Council

BENEFITS AT A GLANCE

FOR BUILDING OWNERS AND MANAGERS

- Advanced IAQ solutions
- Reduces operating expenses
- Reliable operation
- Supports LEED®3 certification
- Environmentally sound Puron® refrigerant

FOR CONSULTING ENGINEERS

- Reliable performance
- Simple to select
- Reduces energy consumption
- Advanced IAQ solutions

FOR CONTRACTORS

- Easy to start up and operate
- Reduces installation expenses
- Easy to service
- Factory and field stocked
- Field convertible airflow



TURN TO THE EXPERTS

Whatever your HVAC needs, Carrier has the solution. As the world leader in heating, conditioning and refrigeration, Carrier is continually improving the quality of comfort for our customers.

From concept to finished product, your local Carrier sales representative works with you every step of the way. Whether you have one building, multiple sites, or special equipment or facility requirements, Carrier will find a solution that meets your needs.



Turn to the Experts.™



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